wtp help

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Introduction

What is WTP?

The **Wolverine Trading Platform (WTP)** is a highly sophisticated, yet user-friendly electronic trading platform for professional traders. It provides direct market access to all major exchanges, ECNs and liquidity sources for U.S. equities, options and electronically-traded futures. WTP is exceedingly flexible, allowing traders to easily customize both market data and their workspace. In addition, WTP provides a combination of advanced functionality not found in other trading platforms. WTP provides powerful tools like Fan Out, which lets traders simultaneously take liquidity from multiple exchanges and ECNs. It also provides a **Basket Trader** and a **Managed Order Console**, that equips traders with powerful logic-based trading tools. The Managed Order Console includes features like Spread Trader which automates the trading of long/short stock spreads or hedged option spreads, and **Time Slicer** which facilitates a “worked” stock order over a period of time. WTP was designed by traders for traders, and as a result, flexibility, ease of use and speed are its hallmarks. The system is intuitive, using a series of ubiquitous and recognizable icons that guide traders through commands and choices. Traders can design and save their own personalized workspace, with as much or as little complexity as required.

What can WTP do?

In terms of functionality, WTP provides a trader with tools to perform the following tasks:

- Route and execute stock, option and futures orders
- Order Management
- Daily Position Management
- Track quotes
- View a variety of graphs and news
- Automate complex orders such as baskets, spreads and other managed orders

The definitions for all WTP applets are **here**.

The icons found throughout WTP are defined **here**.

Connections, Passwords, Splash Screen

Connect to WTP

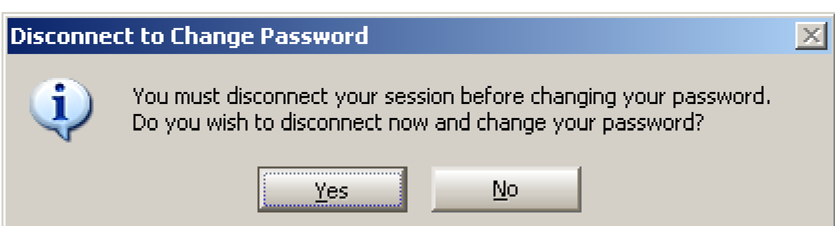
When launching WTP, the **Connection** window appears. If a connection to WTP had occurred previously, the **Trade Server**, **Firm**, **User**, and **Password** fields will be populated with content. If this connection is being made for the first time, content will need to be entered manually. Select **Connect** to log in to WTP.

Change Password

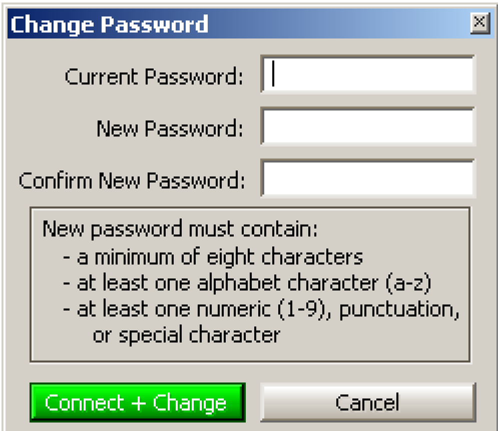
In order to change the login password a connection to WTP must exist. When a password is changed, a follow-up security question is issued, completing the process.

1. Select the Connection button  in the WTP toolbar to open the Connection window.

2. Press the **Change...** button. A **Disconnect to Change Password** confirmation displays. To change a password it is required to disconnect from WTP. Select **Yes** to disconnect from WTP.



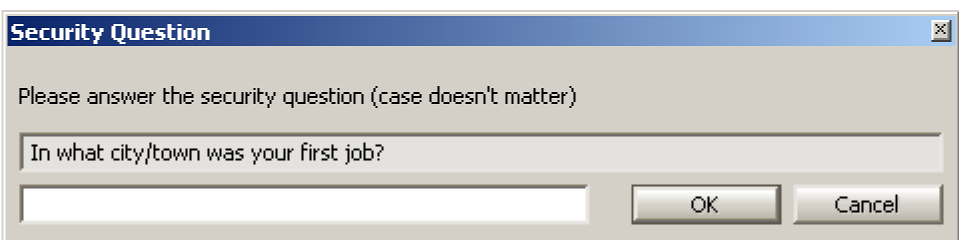
3. The **Change Password** dialog window launches. Enter the current password and new password. Re-key the new password in the **Confirm New Password** field. Select **Connect & Change**.



Note: A password must consist of the following:

- Minimum of eight characters
- At least one alphabet character (a-z)
- At least one numeric (1-9), punctuation, or special character

4. When a new password has been entered successfully, the **Security Question** window will launch. Enter the correct answer in the blank field and select **OK**. The login will commence and the new password will be in force.

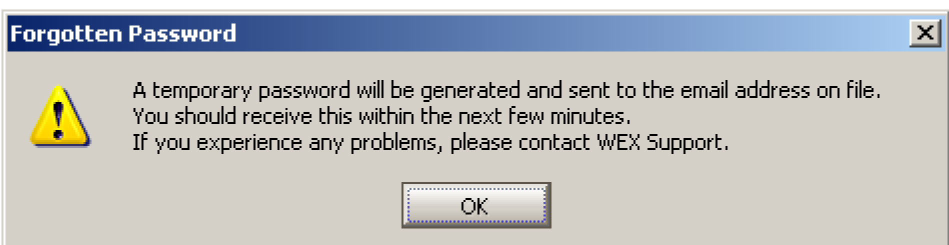


Note about the Security Question Window: If, during a normal login, a security question and answer had not been previously defined, the Security Question window will launch. Select a security question from the drop-down list and enter an answer to the question. The selected question will appear in Step #4 above when issuing a password change.

I Forgot My Password

If a WTP login password cannot be remembered selecting the **"I forgot my password..."** button in the Connection window causes a temporary password to be generated and sent to the user's email address.

Also, this informational message launches:



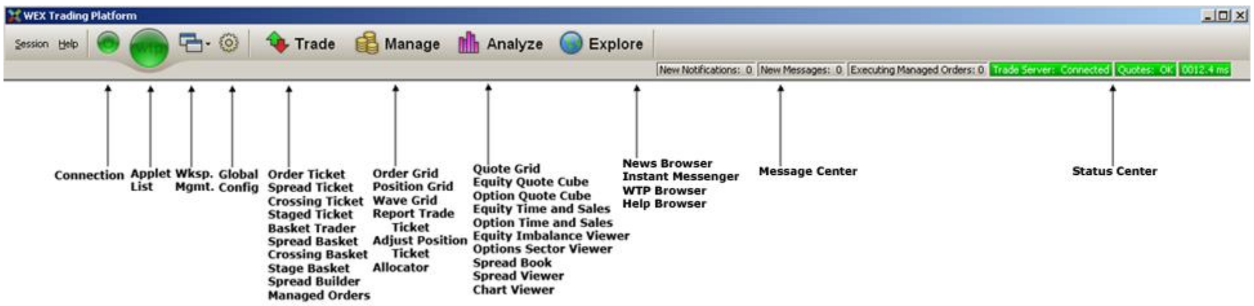
Configure Network

Values associated with network configuration are set in the Network Configuration window. Select **Configure Network…** on the **Connection** window to launch the Network Configuration window.

Note: It is recommended that network configuration values not be changed without first contacting **WEX Support**.

The WTP Toolbar

When WTP launches, the main toolbar and, optionally, the **Splash Screen** are displayed. All of the major functions and applets in WTP are launched from the WTP toolbar. A customized collection of WTP applets (known as a workspace) can be created and saved. A workspace can also be defined as a system default and will appear whenever WTP is launched.



The WTP Toolbar

Every major function is controlled by a separate applet each in a separate window. For example, order tickets are separate from quoting tools; and order management is separate from position management. The tools work together in a seamless way to provide a trader with the ultimate in flexibility and customization options. Each tool is represented by an intuitive icon: the tools can be launched by selecting the type of tool (Trade, Manage, Analyze, or Explore) or by pressing the WTP button and selecting the applet from the applet list.

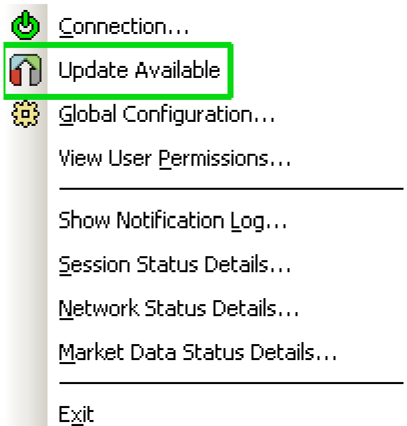
A trader can arrange the windows in any manner that best fits his needs. The layout of windows can be saved by pressing the Workspace Management button. Workspaces can be saved with unique names. A saved workspace might contain only those tools used for the type of trading that is done. For example, if a user predominantly works with Options trading tools, those applets dealing with Option (e.g., Option Quote Cube, Order Ticket in Option mode), can be saved as a workspace. When WTP is started, a previously-saved workspace can be launched by default.

The tools are linked in a logical fashion that facilitates trading and the management of orders and positions. New order tickets can be generated by clicking cells in the Quote Grid, or in any of the order and position management tools. In addition, the quoting, order/position management and trading applets have a track mode that causes the applet to automatically monitor whatever symbol the trader is currently interacting with. Another feature, Connections, allows two or more applets to be connected to each other.

Each trader can control the granularity of the orders and position he views. WTP allows the trader to view orders and positions by individual account or by "portfolio." A portfolio can be both macro (i.e., a group of traders) or micro (an individual trader). To create a new portfolio, please contact your sales rep or call the WTP help line at (888) 313-0664.

The Message Center and Status Center displays notification/status information. Double-click any item to view detailed information about a message or status.

Update WTP



When a new WTP release is available, an update notification icon will be displayed in the WTP toolbar (and in the **Session** menu as "Update Available").

Select the icon and a confirmation window will display. Press **Continue** to update WTP to the latest release.

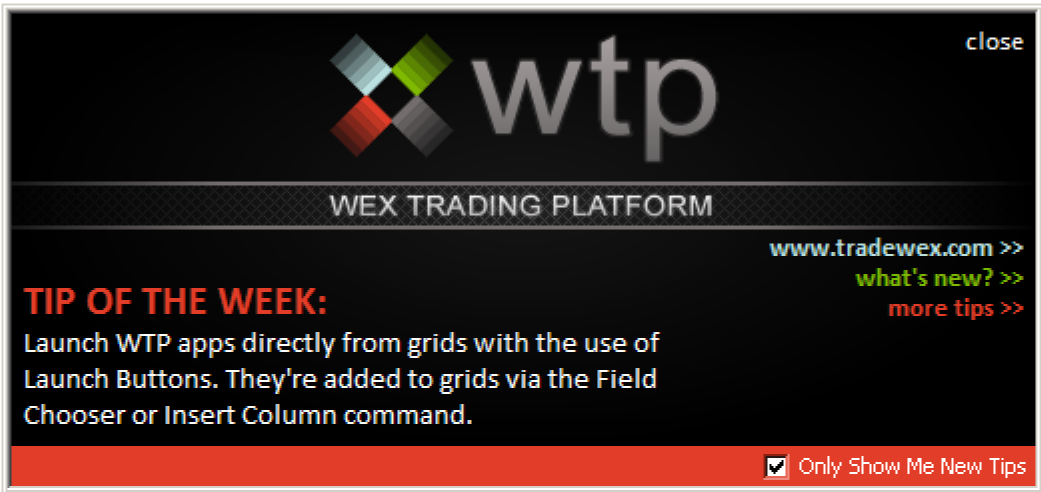
Hide the WTP Toolbar Status Information

The status bar on the WTP toolbar displays the status of servers and quotes along with notifications and messages. By default, the status bar displays when WTP is launched.

To hide the status bar, select **Hide Status Bar** from the **Workspace Management** menu.

To show a hidden status bar, select **Show Status Bar**.

The Splash Screen



When WTP launches, the **splash screen** appears.

The contents of the splash screen:

- **Tip of the Week**—A short informational message that changes on a weekly basis. Note that the tip may be describing functionality that doesn't apply to every user's trading situation (i.e., tips on trading options may not be useful to equity traders, and vice versa).
- A link to **www.tradewex.com** (the WEX website).
- **What's new?**—A link to the current WTP Release Notes (also selectable from the **Help** menu in the WTP Toolbar).
- **More Tips**—A link to another tip page. At the bottom of the page is a link to another tip.
- **Close**—Click on **"close"** to close the splash screen.

Only Show Me New Tips—When checked, the Splash Screen launches *only* when a new tip has been added (approximately once a week).

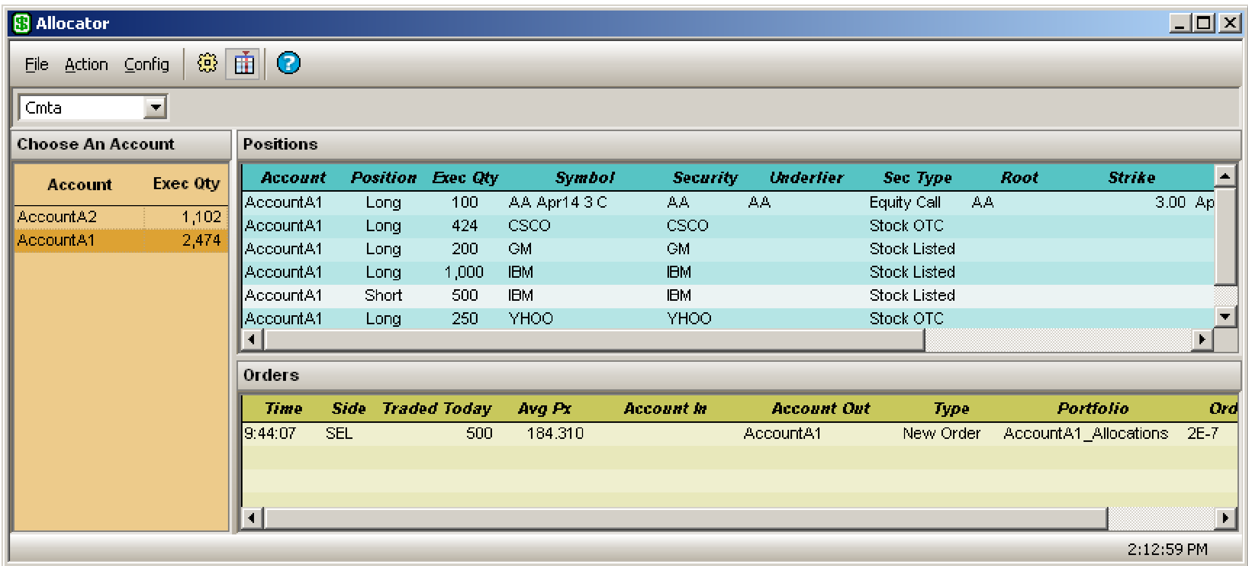
If unchecked, the Splash Screen will launch upon logging in to WTP regardless if a new tip has been added.

A closed splash screen can be relaunched by selecting **Splash Screen** from the Help menu in the WTP Toolbar.

WTP Applets

Allocator

The Allocator allows for the redistribution of positions across various accounts. When positions are redistributed, their average price can be manipulated (within certain limitations) and commission rates can be set.



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Launch Allocator

Click on the Allocator icon in the WTP toolbar (under **Manage**).

Alternate Method:

From the WTP menu, select **Allocator**.

The Allocator Window

Allocator can display **Cmta** accounts or **Omni** accounts (see note below). Each account type is defined by WEX during WTP installation.

The drop-down list contains the following selections:

- **<All>** (displays both Cmta and Omni accounts)
- **Cmta**
- **Omni**
- **Report Trade**

Select the account type and the account name to view the account positions from which allocations can be made.

Note: Cmta, **Omni**, **or Report Trade** mode is accessible only if the Global Configuration option **Exclude Report Trades from Allocation** is checked. If unchecked, no selection is possible and Allocator defaults to **<All>** display.

The Allocator window is divided into three sections when **<All>**, **Cmta**, or **Omni** is selected:

- **List of Accounts (left grid)**—The accounts to which an allocation can be made to or from.
- **Positions Grid (top)**—The buys and sells based on the selected account.
- **Orders Grid (bottom)**—The product/account/side information of the selected position. Allocations made will also be listed.

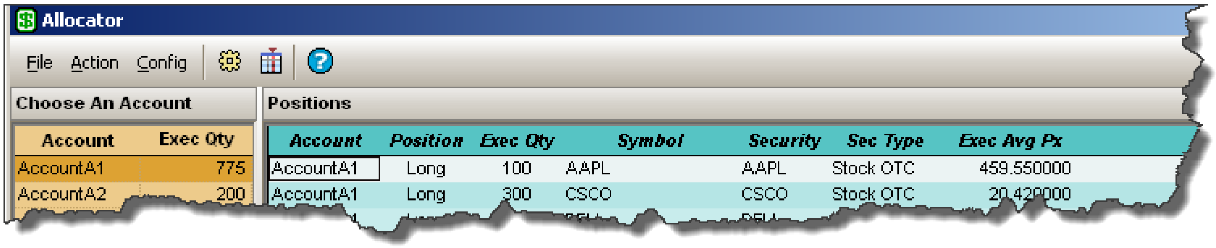
The Allocator window is divided into two sections when **<Report Trade>** is selected:

- **List of Accounts (left grid)**—The accounts to which an allocation can be made to or from.
- **Order Grid**—The Order grid shows all Option Report Trades, regardless of Cmtas.

Issue an Allocation

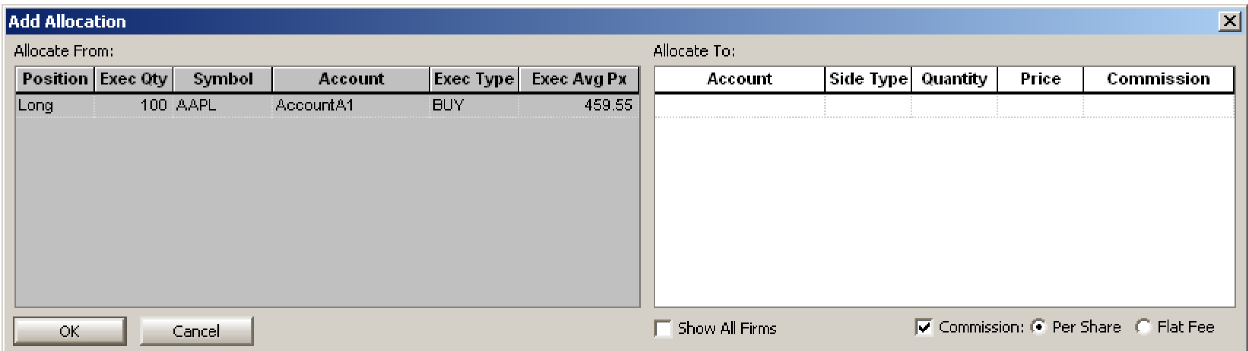
An allocation is accomplished when selected position(s) of one or more accounts are defined to be allocated to one or more accounts.

Step 1: In the example below, a position is selected. Account = **AccountA1**, Symbol = **AAPL**, Executed Quantity = **100**



Step 2: Right click (or double-click) on the position row for the position that is to be allocated and select **Add Allocation** (or select **Action-->Add Allocation**).

The Add Allocation window displays:

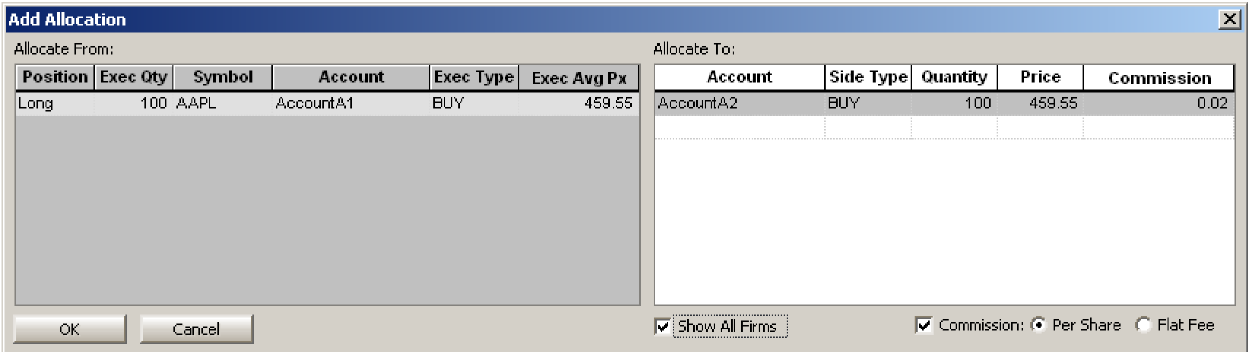


The **Allocate From** portion of the window displays the position data selected.

Step 3: In the **Allocate To** section of the Add Allocation window, select an account from the drop-down list in the **Account** column. Once selected, the quantity, and price will display.

If a commission is to be attached to the allocated account, check the **Commission** box and select either **Per Share** or **Flat Fee**. If the commission value is empty, zero, or greater than $0.05, an Allocation warning message will be issued. Allocations can be successfully completed despite the warning messages. Click **Yes** on the warning message to allow the allocation to complete. When Commission is unchecked, the Commission column will not be displayed, resulting in the same interpretation as an empty commission value.

In the example, the AAPL position will be allocated to the **AccountA2** account with a commission of $0.02:



Note 1: If an entire position is being allocated the average price cannot be modified.

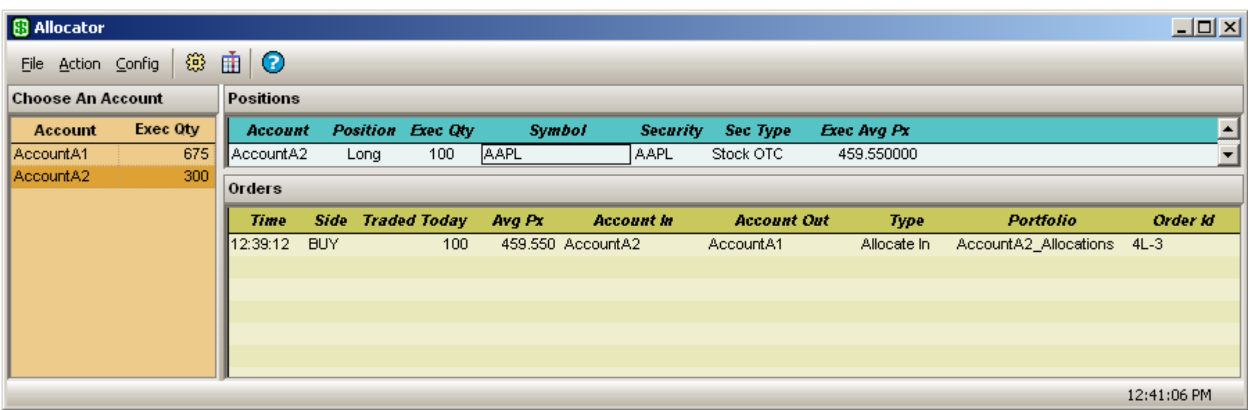
Note 2: If allocating from a position in which **all orders are identical** (in this example **Long**), you may select the side type of **<Auto>**. The Allocate-To account's side type will automatically match that of the Allocate-From account.

If the Allocate-From account has **various positions**, then the **<Auto>** side type will be unavailable for selection.

Step 4: Click **OK** to allow the allocation to commence, or **Cancel** to exit without an allocation.

Once the allocation has transpired, the account that received the allocation will be updated.

In the example below, the account (**AccountA2**) now shows its position as having the allocated Symbol (**AAPL**), and the Order section of the Allocator gird notes that an **Allocate In** transaction has occurred:



The column labeled **Type** in the Orders grid shows that this order was **Allocate In** confirming a successful allocation took place.

Multiple Allocations From A Single Side

In the example above, one account's position was allocated to one account.

A single position can be allocated to multiple accounts. **Note:** The quantity sum from all accounts cannot exceed the quantity of the Allocate From position.

Multiple Allocations from Multiple Sides

Multiple sides can be selected for allocation to one or more accounts.

In the example below, three sides for three symbols have been selected for allocation:

	Account	Symbol	Side	Exec Qty	Exec Avg Px	Security
1	BigMoney	IBM	Sell	125	93.450000	IBM
2	BigMoney	AAPL	Sell	50	97.770000	AAPL
3	BigMoney	IBM	Buy	1,112	94.220000	IBM
4	BigMoney	AAPL	Buy	60	98.943333	AAPL
5	BigMoney	CSCO	Buy	1,112	15.940000	CSCO

The **Add Allocation** window looks similar to the single allocation, except that **percentages** must be defined in order for the allocation to commence.

In this example, 20%, 60% and 10% were defined as allocation percentages to three accounts.

Allocate From:

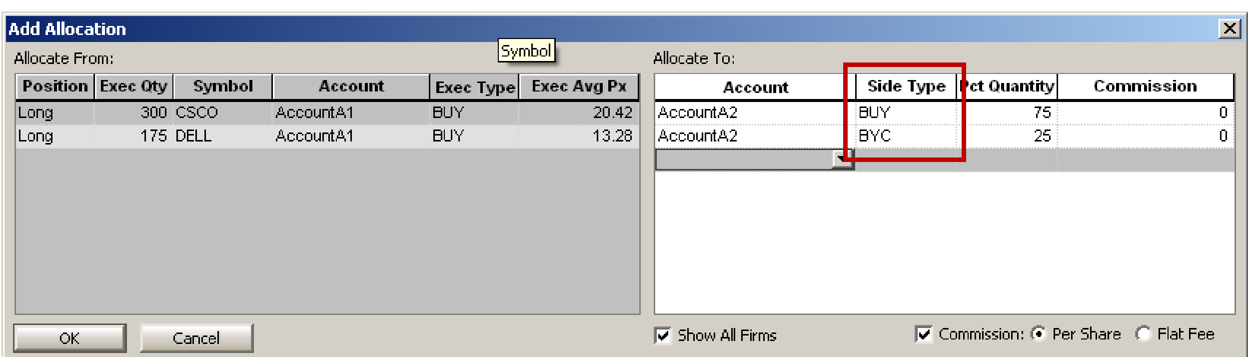
Symbol	Account	Side	Exec Qty	Exec Avg Px
AAPL	BigMoney	Sell	50	97.770000
IBM	BigMoney	Buy	1,112	94.220000
CSCO	BigMoney	Buy	1,112	15.940000

Allocate To:

Account	Pct Quantity	Commission
Whammy	20	0
Mox	60	0
Fishsticks	10	0

Note: The Pct. Quanity cannot exceed a total of 100%, though it can be less. Any allocation totaling less than 100% leaves the remaining percentage in the originating account.

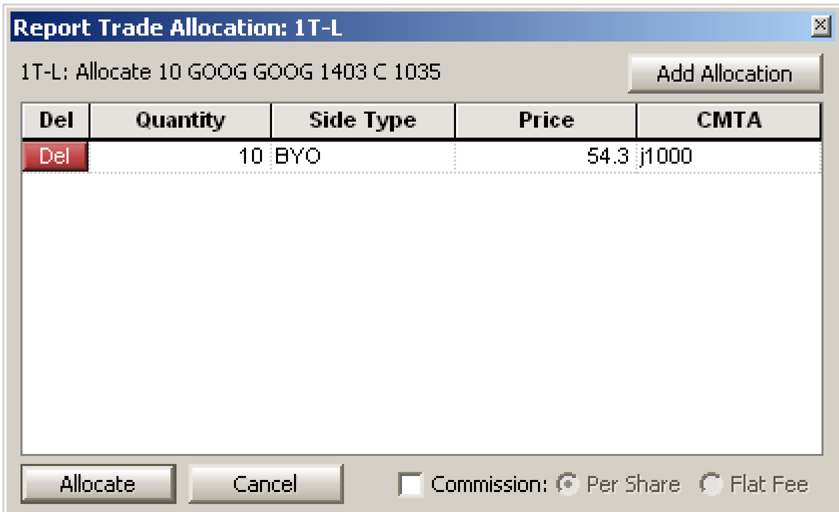
Allocate to Side Types



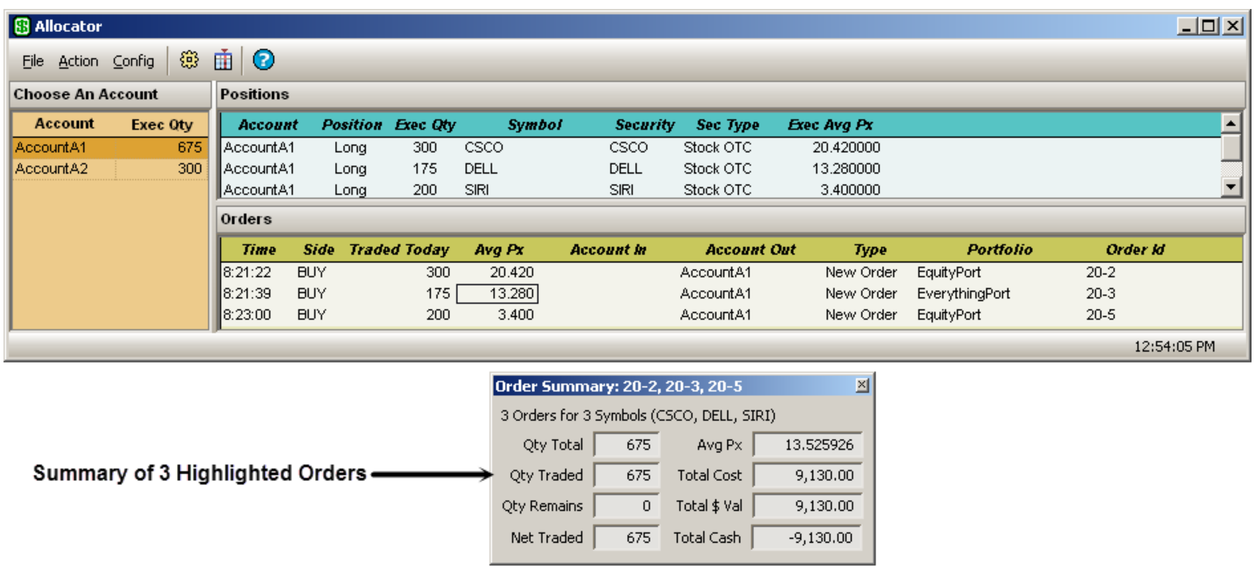
Side types will be provided based on whether the orders being allocated are **Options or Non-Options**. If allocating **Options and Non-Options together** side types cannot be selected.

Create/Change Cmta Values from the Report Trades Grid

Although Report Trades cannot be allocated per se, a Report Trade can have a Cmta value added or changed. Double-click on a specific order (or right-click on the order and select Add Allocation). When selected, the Report Trade Allocation window launches. The Cmta value can be edited in this window:



Show Order Summary



The Order Summary window in Allocator displays:

1. Quantity total
2. Quantity traded
3. Remaining quantity
4. Total net traded
5. Average price
6. Total cost
7. Total value

8. Total Cash

Launch the Order Summary window:

1. Highlight one or more orders in the Orders portion of the Allocator window.
2. Right-click and select **Show Order Summary**.

Alternate Method:

From the **Action** menu, select **Show Order Summary**.

The Order Summary window is also available in the **Order Grid** and is accessible by right-clicking on selected orders or via the **Action** menu.

Show Order Detail

1. Select an order in the **Orders** portion of Allocator
2. Right-click and select **Show Order Detail**.

Alternate Method:

- From the **Action** menu, select **Show Order Detail**.

See the **Order Grid** page for more details on the **Show Order Detail** feature.

Show Options Columns

Columns relating to Options including **Underlier, Root, Strike,** and **Expiration Date** can be added to Allocator.

(**Note:** If it's preferred to always display the Options columns, the Allocator can be saved as a *template.* When the template is retrieved, the Options columns will be visible.)

Templates

See **Templates** to learn about saving, retrieving, and overriding templates.

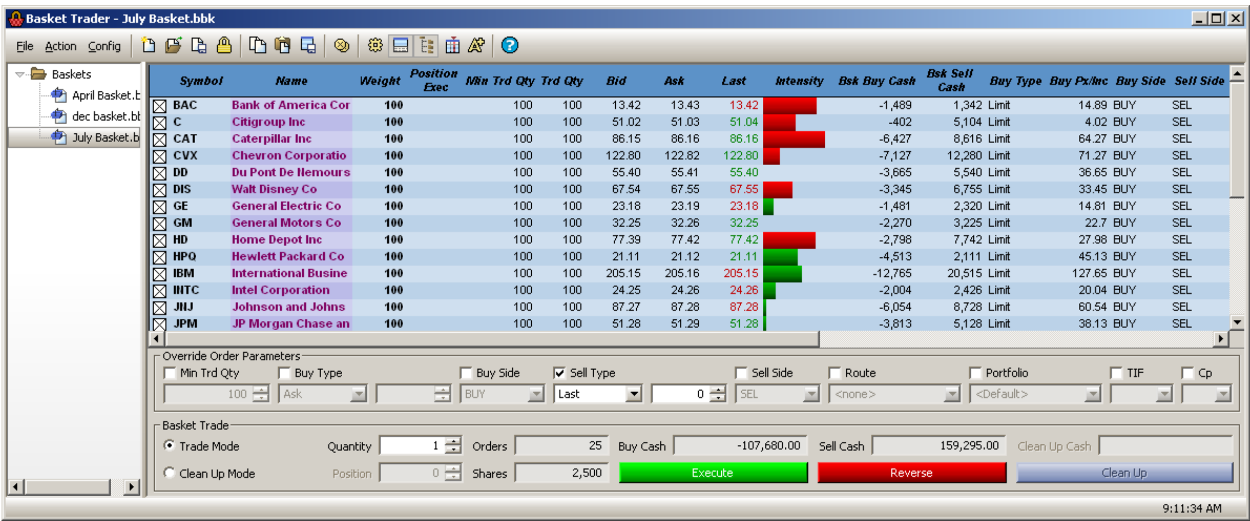
Export Grid Data

See **Export Grid Data** for more information on how data can be exported to files, the clipboard, or a spreadsheet program.

Basket Trader/Crossing Basket/Spread Basket/Stage Basket

Basket Trader allows users to send batches of equity, option, and/or future products together in a single basket order, locking in true markets. Each row in the Basket Trader grid is a separate order which can be configured. Multiple baskets can be loaded, allowing a user to toggle between them. Multiple asset classes can be loaded into the **same basket**, allowing for the launch of options, futures, and equity orders in the same wave. Basket Trader waves can be viewed in the **Wave Grid**.

The **Crossing Basket** is a similar applet to Basket Trader but it used for crossing orders. The **Spread Basket** is called when **Spread Viewer** sends it spread orders.



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Stage Basket Trader

Launch Basket Trader

Click **Trade** on the WTP toolbar and select **Basket Trader**.

Alternate Method:

From the WTP menu select **Basket Trader**.

Baskets

A basket is a collection of symbols (i.e., securities), each symbol having its own trading parameters. In the image above, the displayed basket is identified as "December 08." Below it is another basket "January 09." Any number of baskets can be created. Additionally, folders can be created that hold baskets. This allows for complete customization of basket tree.

Create a basket:

Right-click anywhere in the Basket Trader grid. Select **File Commands --> New Basket**

Alternate Methods:

- Click on the **New Basket** icon 
- From the WTP toolbar click **Basket Trader**. Select **File --> New Basket**
- If the display is in Multi-Basket Mode, right-click where other baskets are listed and select **New File**

The name of each new basket, by default, is **New Basket.**

Rename a basket:

1. Right-click on a basket name that is to be changed.
2. Select **Rename**
3. Type in the new name of the basket and hit enter.

Remove a basket:

1. Select a basket by clicking on it.
2. Press the **delete** key

   Alternate Method:

   Right-click and select **Remove**
3. A confirmation window will appear. Select **Yes** to remove the basket, **No** or **Cancel** to prevent the basket from being removed.

Save a basket:

1. Select a basket by clicking on it.
2. Select the Save Basket icon .

3. A **Save Basket** window will appear. Select a desired folder for the basket. The file name will default to the basket's name. Select **Save**.

   The basket is saved with a **.bbk** extension.

   Note: The option **Save Basket As...** works in the same manner as steps #3 and #4.

Alternate Method for Step 2:

1. Right-click anywhere in the Basket Trader grid.
2. Select **File Commands --> Save Basket**

Open an existing basket:

1. Right-click anywhere in the Basket Trader grid.

   Alternate Method:

   Right-click anywhere in the list of baskets (in multi-basket mode).

2. Select **File Commands --> Open Basket**

   Alternate Methods:

   Click on the Open Basket icon 

   Right-click in the list of baskets and select **Open File...**

3. Choose the saved basket by maneuvering to the directory where it's stored.
4. Double-click on the basket name to open it.

Multi-Basket Mode

When Basket Trader is in **Multi-Basket Mode** it means that all created baskets (and folders) will be visible on the left pane of the Basket Trader window.

If **Multi-Basket Mode** is turned off, only the current basket will be loaded into Basket Trader and the left pane will not be visible.

Select the **Basket Tree** icon  to toggle on/off the display of all baskets.

Alternate Method:

From the **Config** menu select **Show Basket Tree**.

Folders

Folders can be created in Basket Trader. Similar to folders created on your computer, these folders can store baskets, allowing for the creation of a directory tree. Folders are optional in Basket Trader.

Create a folder

1. With Basket Trader in **multi-basket mode**, right-click anywhere in the list of baskets (**not** on the grid itself).

2. Select **New Folder.** A folder with the name "New Folder" will appear.

3. Rename the folder as desired. Right-click on the folder and choose **rename**.

Delete a folder

1. Click on a folder name to delete.

2. Press the **delete key** OR right-click and select **Remove.**

3. A confirmation window will appear. Press **Yes** to delete the folder. Press **No** or **Cancel** if the folder is not to be deleted.

   Note: Any baskets residing in a folder will be deleted when the folder is deleted.

Move Baskets into a Folder

Existing baskets can be placed into a folder.

1. Click on a basket to highlight it.

2. While the mouse is pressed move the basket to the appropriate folder and release the mouse button.

Load Baskets

Once a basket has been created, it needs to be filled. The two most important (and required) items to place in a basket are:

- **Securities**—Products that are to be bought and sold, identified by their symbol

- **Weight**—The number of shares or contracts that are to be purchased or sold

Add Security Names to the Basket Trader Grid

In the **Symbol** column, security names are listed. To add a symbol name:

1. Click the mouse button in the **Symbol** column on a row where a name is to be added.

2. From the drop-down list, select a security name.

Once a symbol has been added to the Basket Trader grid, other columns (such as **Weight**) will fill in with default values.

Configure Trading Parameters

Once a symbol has been added to the Basket Trader grid, trading parameters should be configured. The most important of these, is **weight, portfolio, route,** and **min trd qty.** With these values in place, issuing a trade with the basket's securities can commence.

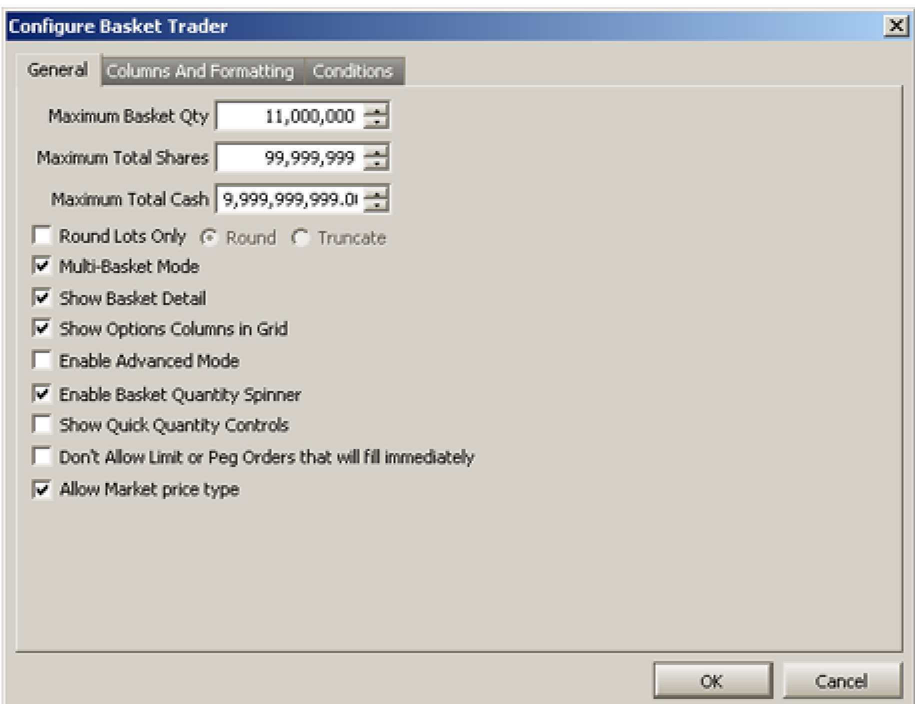
To configure other columns in the Basket Trader Grid:

1. Click on a row to highlight it.

2. Move the mouse to the column whose value is to be defined.

3. Enter the desired value (note that some columns have drop-down lists, others have up/down arrows).

General Configuration



Before issuing buys or sells in Basket Trader, it is helpful to set up other configurations such as maximum basket quantity, basket details, and other values.

To configure Basket Trader:

1. Right-click anywhere in the Basket Trader Grid and select **Configuration**

   Alternate Method:

   From the WTP toolbar, click on the **Basket Trader** column and select **Config --> Configuration**

2. The configuration window will display. Edit the fields, and check or uncheck features as necessary:

    - **Maximum Basket Qty**—This value refers to the maximum quantity that can be sent in any single order.

    - **Maximum Total Shares**—The maximum trade quantity that can be sent at one time.

    - **Maximum Total Cash**—Basket Trader will compare your trade parameters with the value entered in this field. If the total trade amount exceeds this value, Basket Trader will not allow the trade to go through.

    - **Round Lots Only**—Check this box and select **Round** if trading in round lots (i.e., 100, 200, 300, etc.) is desired.

      Truncate—Check the box and select **Truncate** if Basket Trader is to reduce the size of the order and keep the size as a round lot.

    - **Multi-Basket Mode**—Check this box to view all created baskets. They will be visible on the left side of Basket Trader. If unchecked, only the current basket will be displayed. Multi-basket mode is convenient for traders as different baskets can be selected with just a mouse click.

    - **Show Basket Detail**—If checked, the Basket Trader grid is displayed. If unchecked, only the Override and Basket Trade tables will be visible.

      Alternate Methods:

      Select the **Basket Detail** icon 

      Right-click on Basket Trader and select **Show Basket Details**

    - **Show Options Columns in Grid**—The following columns are added to the Basket Trader grid if this option is selected:

      Option (Call/Put), Underlier, Root, Strike, Exp. Date

    - **Enable Advanced Mode**—If this box is checked, the **Override Advanced Order Parameters** fields (such as start/stop times and book only/sweep selections).

    - **Enable Basket Quantity Spinner**—The up/down arrows (spinners) will be enabled if this box is checked.

    - **Show Quick Quantity Controls**—If checked, quantity buttons (1, 5, 10, 25, 50 and Clear Qty) are visible on Basket Trader (below the Basket Trade area). These buttons allow for one-touch quantities as opposed to manually entering the desired values.

    - **Don't Allow Limit or Peg Orders that will fill immediately**—If this box is checked any limit order or peg order that can be filled immediately won't be.

If unchecked, limit and peg orders that can fill immediately, will be filled.

- **Allow Market price type**—Check this box if you want the **Market** sell type as an available Override Order Parameter option. If unchecked, the Market sell type will be unavailable for selection.

Columns and Formatting

See **Global Configuration** for instructions on setting up columns and formatting.

Conditions

The **Conditions** window is similar in function to Row Color Conditions window. Click **here** to learn how to configure the **Conditions** window.

Issue a Basket Trade

Before trading can begin in Basket Trader, it is assumed that:

- At least one symbol has been defined, along with its **weight, portfolio, route,** and **minimum trade quantity**

Issue a basic trade in Basket Trader:

1. Check the box next to each symbol in the basket that is to be bought or sold.
2. In the **Basket Trade** portion of the Basket Trader window, select **Trade Mode** and define a quantity amount.
3. Press **BUY** or **SELL** to initiate the trade.
4. A confirmation window will appear. Press **OK** to send the basket trade or **Cancel** to exit without sending the basket.

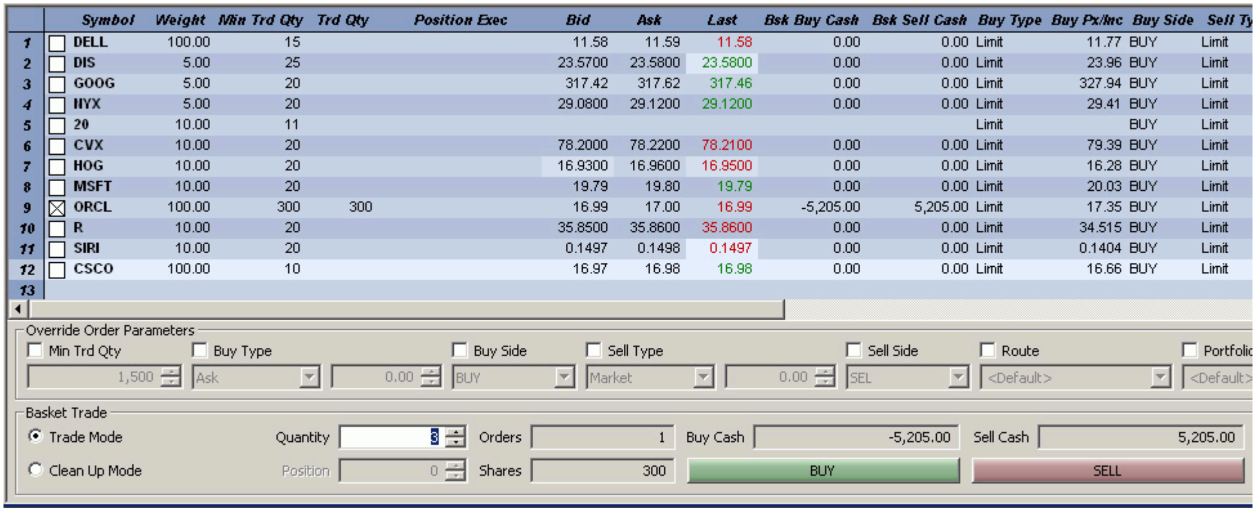
Crossing Route Orders

Crossing Route orders are handled with **Crossing Basket**.

Examples of Basket Trades

Here are a couple examples of basket trades, including an error condition that traders might encounter, with an easy fix:

EXAMPLE ONE— —A SINGLE SYMBOL BASKET TRADE:



	Symbol	Weight	Min Trd Qty	Trd Qty	Position Exec	Bid	Ask	Last	Bsk Buy Cash	Bsk Sell Cash	Buy Type	Buy Px/Inc	Buy Side	Sell Ty
1	DELL	100.00	15			11.58	11.59	11.58	0.00	0.00	Limit	11.77	BUY	Limit
2	DIS	5.00	25			23.5700	23.5800	23.5800	0.00	0.00	Limit	23.96	BUY	Limit
3	GOOG	5.00	20			317.42	317.62	317.46	0.00	0.00	Limit	327.94	BUY	Limit
4	NYX	5.00	20			29.0800	29.1200	29.1200	0.00	0.00	Limit	29.41	BUY	Limit
5	20	10.00	11								Limit		BUY	Limit
6	CVX	10.00	20			78.2000	78.2200	78.2100	0.00	0.00	Limit	79.39	BUY	Limit
7	HOG	10.00	20			16.9300	16.9600	16.9500	0.00	0.00	Limit	16.28	BUY	Limit
8	MSFT	10.00	20			19.79	19.80	19.79	0.00	0.00	Limit	20.03	BUY	Limit
9	ORCL	100.00	300	300		16.99	17.00	16.99	-5,205.00	5,205.00	Limit	17.35	BUY	Limit
10	R	10.00	20			35.8500	35.8600	35.8600	0.00	0.00	Limit	34.515	BUY	Limit
11	SIRI	10.00	20			0.1497	0.1498	0.1497	0.00	0.00	Limit	0.1404	BUY	Limit
12	CSCO	100.00	10			16.97	16.98	16.98	0.00	0.00	Limit	16.66	BUY	Limit
13														

In this example, one symbol (ORCL) has been checked (i.e., selected). The symbol has these parameters:

- The number of share to trades is **100** (the **weight**)
- The minimum trade quantity is **300**
- In the **Basket Trade** section of the window, the quantity has been defined as **3.**

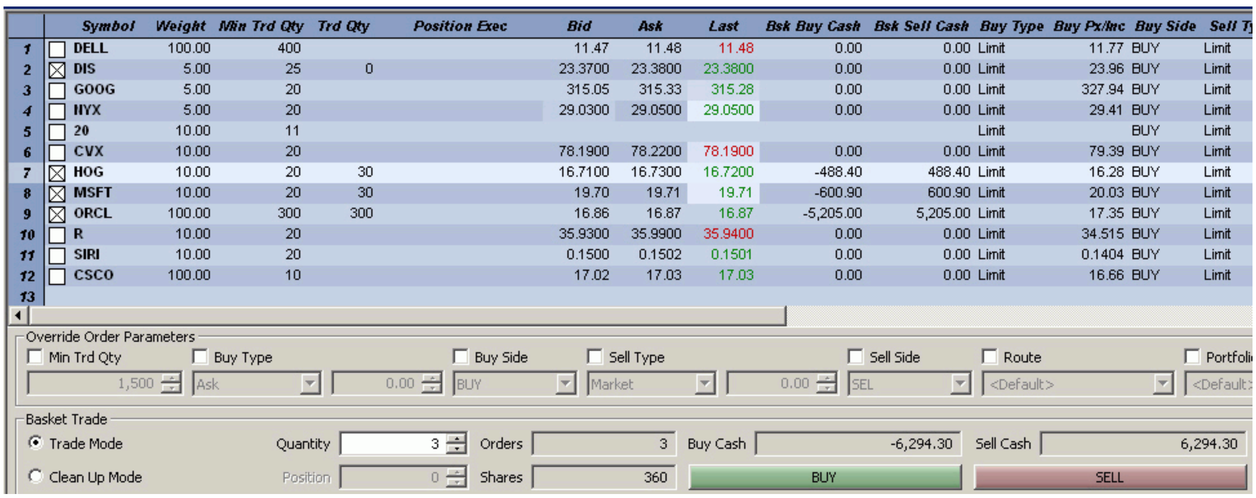
  To achieve a successful basket trade, this basic formula must be followed for any symbol:

(Quantity x Weight) ≥ The Minimum Trade Quantity

Because the quantity (3 baskets) multiplied by the weight (100) = 300 (the minimum trade quantity) a basket trade can be filled. A confirmation window appears after pressing **Buy:**

A sell order brings up this confirmation window:

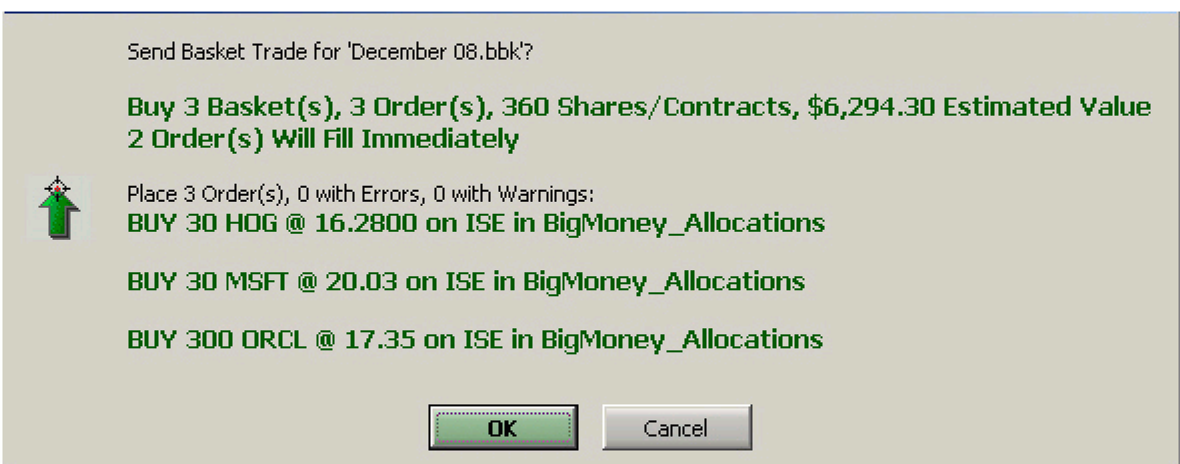
EXAMPLE TWO— —THREE SUCCESSFUL AND ONE REJECTED BASKET TRADE:



	Symbol	Weight	Min Trd Qty	Trd Qty	Position Exec	Bid	Ask	Last	Bsk Buy Cash	Bsk Sell Cash	Buy Type	Buy Px/Inc	Buy Side	Sell Ty
1	DELL	100.00	400			11.47	11.48	11.48	0.00	0.00	Limit	11.77	BUY	Limit
2	DIS	5.00	25	0		23.3700	23.3800	23.3800	0.00	0.00	Limit	23.96	BUY	Limit
3	GOOG	5.00	20			315.05	315.33	315.28	0.00	0.00	Limit	327.94	BUY	Limit
4	NYX	5.00	20			29.0300	29.0500	29.0500	0.00	0.00	Limit	29.41	BUY	Limit
5	20	10.00	11								Limit		BUY	Limit
6	CVX	10.00	20			78.1900	78.2200	78.1900	0.00	0.00	Limit	79.39	BUY	Limit
7	HOG	10.00	20	30		16.7100	16.7300	16.7200	-488.40	488.40	Limit	16.28	BUY	Limit
8	MSFT	10.00	20	30		19.70	19.71	19.71	-600.90	600.90	Limit	20.03	BUY	Limit
9	ORCL	100.00	300	300		16.86	16.87	16.87	-5,205.00	5,205.00	Limit	17.35	BUY	Limit
10	R	10.00	20			35.9300	35.9900	35.9400	0.00	0.00	Limit	34.515	BUY	Limit
11	SIRI	10.00	20			0.1500	0.1502	0.1501	0.00	0.00	Limit	0.1404	BUY	Limit
12	CSCO	100.00	10			17.02	17.03	17.03	0.00	0.00	Limit	16.66	BUY	Limit
13														

In this example, 4 symbols have been selected, but only 3 will be traded. The symbol **DIS** will not trade because the **quantity (3)** x **weight (5)** is less than the **min trd qty of 25.** The column **Trd Qty** will reflect the number of shares to be traded.

The confirmation window will mention only the basket orders that can trade:

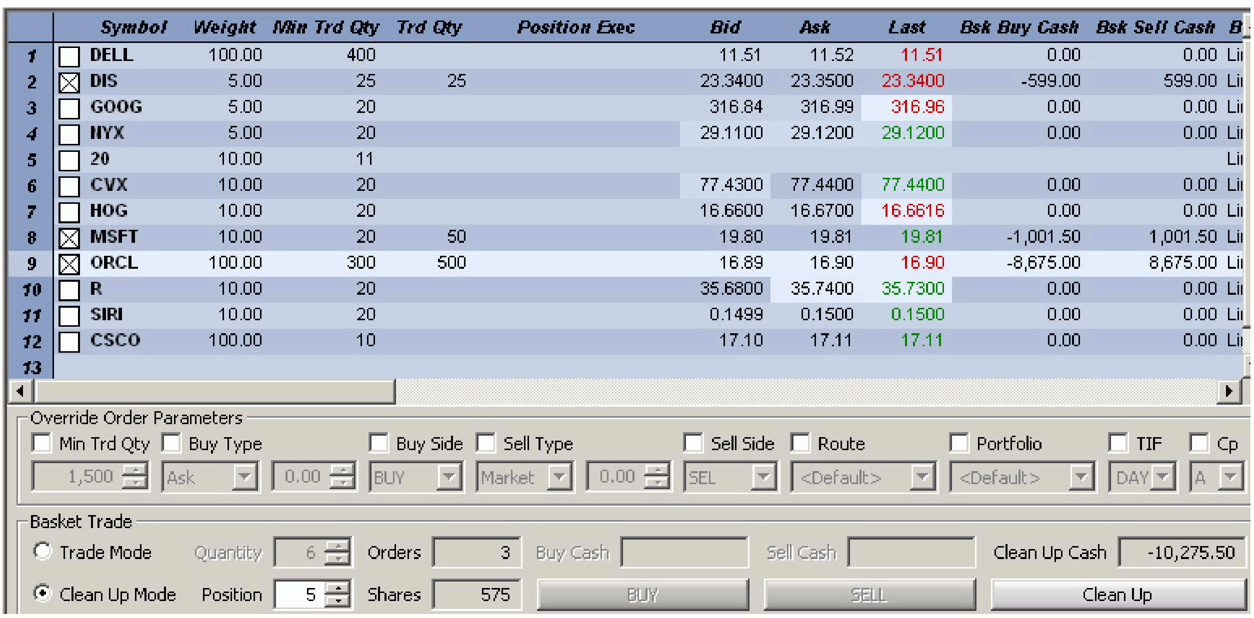


If a basket order cannot be filled this message will appear:

Clean Up Mode

In the **Basket Trade** section of the Basket Trader window are two options: **Trade Mode** or **Clean Up Mode.**

Clean up mode is a method to revert to a specified position (as specified in the **Position** box).



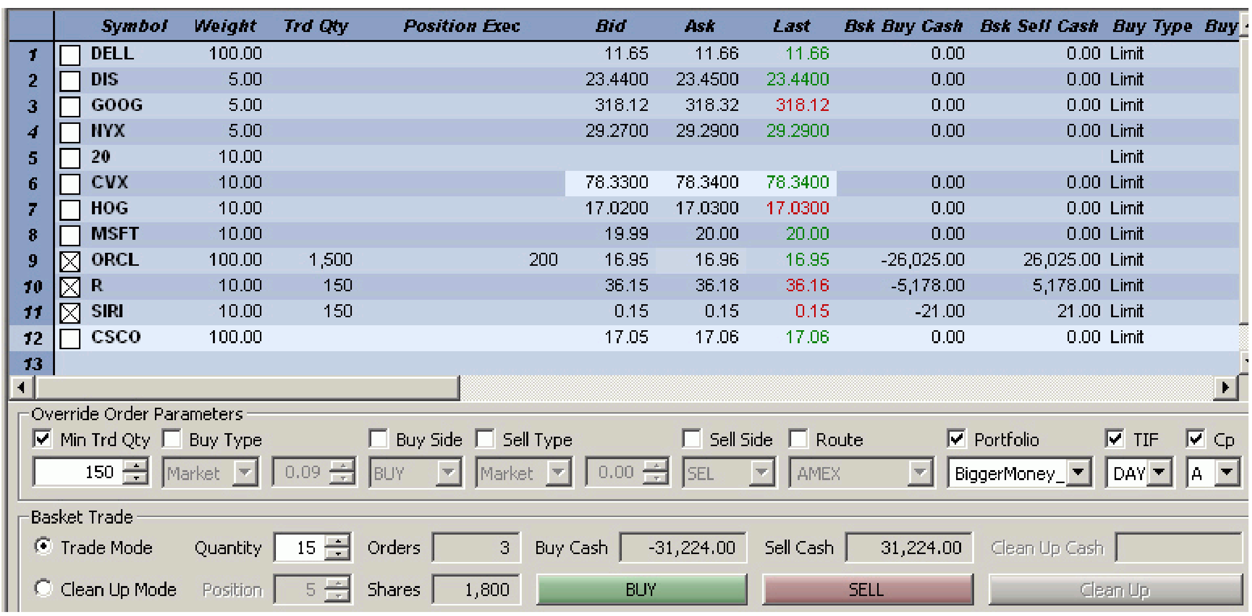
		Symbol	Weight	Min Trd Qty	Trd Qty	Position Exec	Bid	Ask	Last	Bsk Buy Cash	Bsk Sell Cash	B
1	☐	DELL	100.00	400			11.51	11.52	11.51	0.00	0.00	Li
2	☒	DIS	5.00	25	25		23.3400	23.3500	23.3400	-599.00	599.00	Li
3	☐	GOOG	5.00	20			316.84	316.99	316.96	0.00	0.00	Li
4	☐	NYX	5.00	20			29.1100	29.1200	29.1200	0.00	0.00	Li
5	☐	20	10.00	11								Li
6	☐	CVX	10.00	20			77.4300	77.4400	77.4400	0.00	0.00	Li
7	☐	HOG	10.00	20			16.6600	16.6700	16.6616	0.00	0.00	Li
8	☒	MSFT	10.00	20	50		19.80	19.81	19.81	-1,001.50	1,001.50	Li
9	☒	ORCL	100.00	300	500		16.89	16.90	16.90	-8,675.00	8,675.00	Li
10	☐	R	10.00	20			35.6800	35.7400	35.7300	0.00	0.00	Li
11	☐	SIRI	10.00	20			0.1499	0.1500	0.1500	0.00	0.00	Li
12	☐	CSCO	100.00	10			17.10	17.11	17.11	0.00	0.00	Li
13												

In the above example, 3 symbols have been selected, the Basket Trade portion of the window is in **Clean Up Mode,** and with a position of **5.**

The confirmation window describes the transaction:

Override Order Parameters

Certain trade parameters can be overwritten. Items such as **Minimum Trade Quantity** and **Portfolio** can have values assigned that overwrite an individual symbol's configuration. Once symbols are selected and values are placed in the **Override Order Parameters** section of Basket Trader, the override parameters are in force. When an override is enabled, its corresponding column is removed from the grid.



Override Definitions and Examples

Column Name	Definition	Content Example
Min Trd Qty	The minimum number of shares per order	Any integer
Buy Px Type	The price type of the security when buying	Market, Limit, Peg Bid, Peg Ask, Peg Mid, Peg

		Last, Bid, Ask, Mid, Last
Buy Px/Inc	Specified if **Buy Px Type** requires either a price (like "Limit") or increment (like "Mid")	Any integer (can be zero)
Buy Side	The side type for buy orders	BUY, BYO, BYC (note: can be blank)
Sell Px Type	The price type of the security when selling	Market, Limit, Peg Bid, Peg Ask, Peg Mid, Peg Last, Bid, Ask, Mid, Last
Sell Px/Inc	Specified if **Sell Px Type** required a price (like "Limit" or increment (like "Mid")	Any integer (can be zero)
Sell Side	The side type for sell orders	SEL, SSH, SSE, SLO, and SLC
Portfolio	The portfolio of the security	The portfolio name (can be blank)
Route	The routing destination for the security	The route (can be blank)
TIF	Time In Force instruction	DAY, FOK, IOC, OPG
CP	Capacity instruction	Should be set to "A" unless doing Index Arb, or Program Trading

Read Only Mode

The Basket Trader grid can be viewed in read-only mode. Symbols cannot be selected while in read-only mode.

To set Basket Trader in read-only mode:

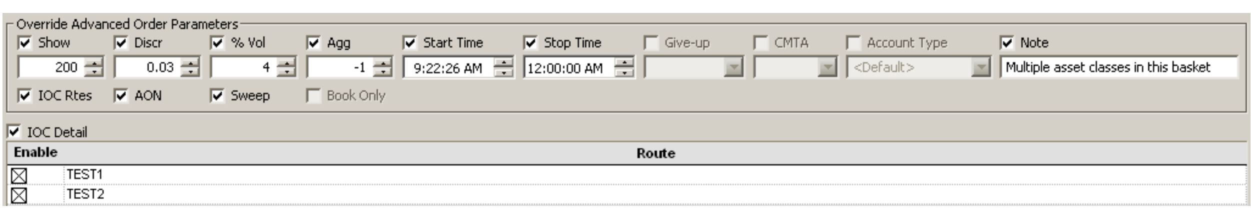
1. Right-click anywhere in the Basket Trader grid.

2. Select **File Commands --> Read Only Mode**

   Alternate Method:

   From the WTP toolbar, select **File --> Read Only Mode**

Advanced Mode



Additional configurations can be selected for the basket while in **Advanced Mode**:

- **Show—**The value entered in this field represents the total desired quantity that should be available on an Order book.

- **Disc (Discretionary)—**The discretionary value in which an order can be filled.

- **% Vol (Volume)—**Volume percentage, used for VWAP orders. Values from 0 to 100.

- **Agg (Aggression)—**Used for algo routes. Values from 0 to 10, reflecting how much a user wishes to "push" the market in an aggressive fashion.

- **Start/Stop Times—**Start and/or Stop times for Basket Trader to send basket orders can be defined. If both are unchecked, Basket Trader will endeavor to send basket orders immediately and stop at the end of the trading day.

- **Give-up—**A transaction between three brokers where one broker hands off a trade to a second broker, who then buy the stock from a third. The third broker exercises the trade, while the first broker *gives up* the name of the second broker, even though the trade is executed between the first and third broker.

  Example: Broker A receives a buy order, but is too busy to handle it. Broker B is asked to help fill the order and buys the stock from Broker C. The transaction is recorded between Brokers B and C. Broker A, in effect, *gives up* the name of Broker B. The trade, however, is executed between Broker A and Broker C.

  Select a Give-up value from the drop-down list.

- **CMTA** (**C**learing **M**ember **T**rade **A**greement)**—**An agreement where an investor trades with a number of different brokers, later consolidating the trades through a single broker for clearing.

- **Account Type—**If designating an account type other than the <default> is required for the basket order, select one from the following:

  Broker Dealer
  Customer
  Firm
  Market Maker
  Professional Customer

- **Note—**Enter a free-form note in this field.

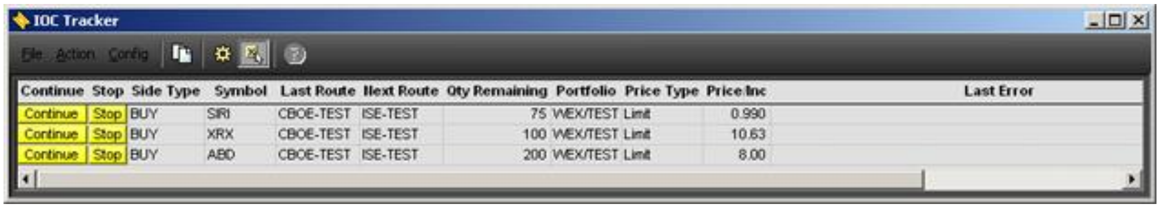
  The location of the **Note** field depends on which Basket Trader is being worked:

  For the Standard Basket Trader and **Spread Basket Trader** the Note field is in the **Override Advanced Order Parameters** section.
  For the **Crossing Basket Trader** and **Staged Basket Trader** the Note field in the **Override Order Parameters** section.

- **IOC Routes**—**I**mmediate **O**r **C**ancel routes can be selected for basket orders. IOC routes are configured under the Routes tab in **Global Configuration**.

  The IOC Detail window will display if checked (see image above).

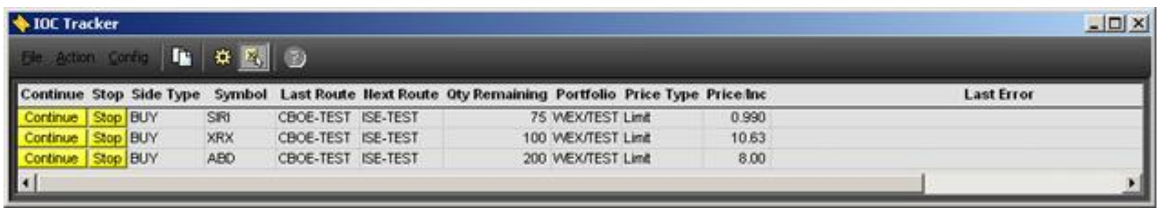
  Once a basket buy/sell order is executed, the IOC Tracker window will display:



Each order can be selectively stopped or continued. Exiting the IOC Tracker while there are active orders will cause all active orders to be stopped.—Immediate Or Cancel routes can be selected for basket orders. IOC routes are configured under the Routes tab in **Global Configuration**.

The IOC Detail window will display if checked (see image above).

Once a basket buy/sell order is executed, the IOC Tracker window will display:



Each order can be selectively stopped or continued. Exiting the IOC Tracker while there are active orders will cause all active orders to be stopped.

- **AON—A**ll **O**r **N**one. If checked, all items in the basket will be sent with the understanding that all orders need to be filled. If, for whatever reason, all orders cannot be filled, all will be canceled.

  If unchecked, each symbol *individually* can be selected for all-or-none processing. The AON column must be visible in the basket detail portion of the Basket Trader window to individually select a symbol.

- **Sweep—**A sweep order instructs an exchange to only route an order to fast exchanges.

- **Book Only**—A book only order instructs an exchange to not route an order. Either the order will fill an order currently on the exchange's book, or it will remain unfilled.

Set Basket Trader in Advanced Mode:

1. Right-click anywhere in the Basket Trader grid.

2. Select **Enable Advanced Mode**.

   Alternate Method:

   From the WTP toolbar, click on the Basket Trader Column, and select **Config --> Enable Advanced Mode.**

Status Bar

The status bar in the Basket Trader window displays the applet's status (i.e., "Ready") and the time of day. The status bar can be toggled on and off. The default status is ON.

To turn the Status Bar on or off:

1. Click on the Basket Trader column on the WTP toolbar.
2. Select **Config --> Status Bar**

   Repeat this action to turn the feature off (if it's on), or on (if it's off).

Export Grid Data

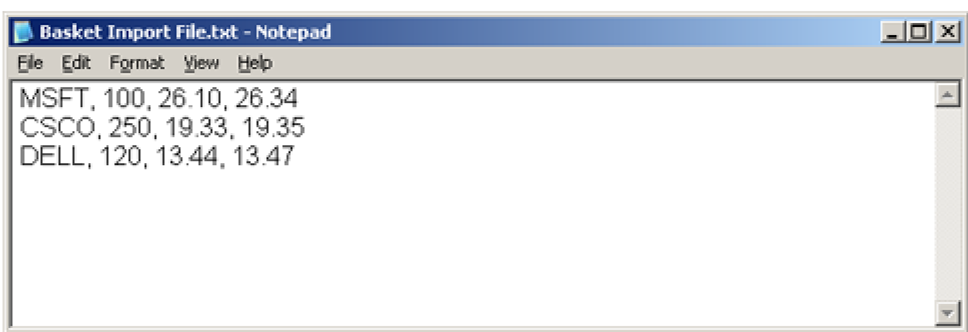
The data contained in Basket Trader can be exported:

- As a file
- To the clipboard
- To a Microsoft Excel spreadsheet

To learn the specifics of exporting grid data, click **here**.

Import Basket

Grid data from an ASCII text file or Microsoft Excel spreadsheet can be imported into Basket Trader. Both comma-separated files (.csv) and text files (.txt) can be imported.



In the image above, an ASCII text file has been created with fields delimited by a comma. The stock symbols, weight, and buy and sell price are listed.

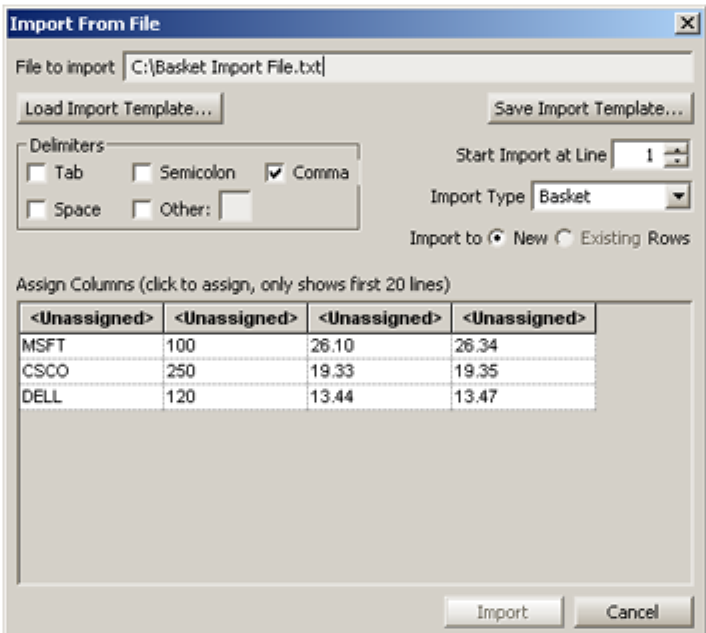
1. From the **File** menu select **Import Basket**.

   Alternate Method:

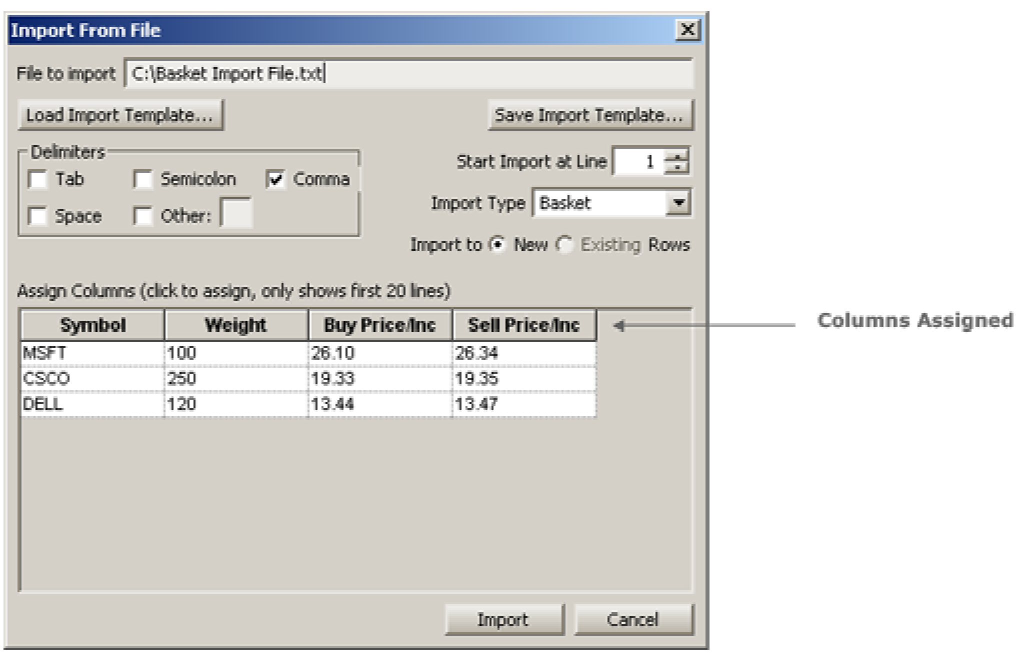
Right-click in the Basket Trader grid and select **File Commands-->Import Basket**.

2. By default the **Files of type** will be set to **Comma Separated Files (*.csv)**. You can also select **Text Files (.txt)**.

3. Open the file containing the grid data that is to be imported. The **Import From File** window will launch with the imported data displayed:



4. Assign column names to each column in the Import window by clicking on the column head and select the appropriate column descriptor:



5. Click **Import** to bring the data into Basket Trader. The name of the basket will reflect the name of the imported data file.

   Note: Due to market fluctuation, values such as bid/ask will undoubtedly change once they are imported.

Additional "Import Basket" Details

Start Import At Line—The number in this field refers to the line number in imported file. When the file is imported, the first line displayed in Basket Trader will be the line selected here. If the imported data file contains column headings of its own, then the "Start Import at Line" value should be adjusted to where the headings will not be imported.

In the example above, **Line 1** is selected. When the file is imported, **Line 1** will be the first line displayed.

Import Type—**Basket** is the only available selection.

Import to—Two choices, either **New** or **Existing Rows**

> **New**—A basket will be created that contains all the selected rows of the import file.
>
> **Existing Rows**—Not available for Basket Trader.

Delimiters—This checked box refers to the field delimiters in the import file. A different delimiter can be selected, but better results will occur with the delimiter used in the import file (i.e., a tab-delimited file will produce better results when **tab** is selected).

Templates—Once the columns have been assigned names, they can be saved for later use. Press **Save Import Template** to save and name your template.

When importing a file with the same import type, press **Load Import Template** and select the appropriate template for your import type.

Cancel Orders

Orders that have been executed, but not filled, can be canceled.

To cancel **ALL** orders:

1. Right-click anywhere in the Basket Trader grid.

2. Select **Cancel All Orders**

   Alternate Method:

   From the WTP toolbar, go to the Basket Trader column and select **Action --> Cancel All Orders**

To cancel **Matching** orders:

1. Right-click anywhere in the Basket Trader grid.
2. Select **Cancel Matching Orders -->** and one of the following:

   Cancel All For Symbol...

   To Route...

   In Account ...

   In Portfolio

   OR

   From the WTP toolbar, go to the Basket Trader column and select **Action --> Cancel Matching Orders** for the same options.

Crossing Basket

Crossing Basket works in a similar fashion as Basket Trader but is used when creating crossing orders. Also, the Crossing Basket does not offer an advanced mode due to the fact that advanced mode parameters are displayed by default.

Launch Crossing Basket

Click **Trade** on the WTP toolbar and select **Crossing Basket Trader**.

Alternate Method:

From the WTP menu select **Crossing Basket**.

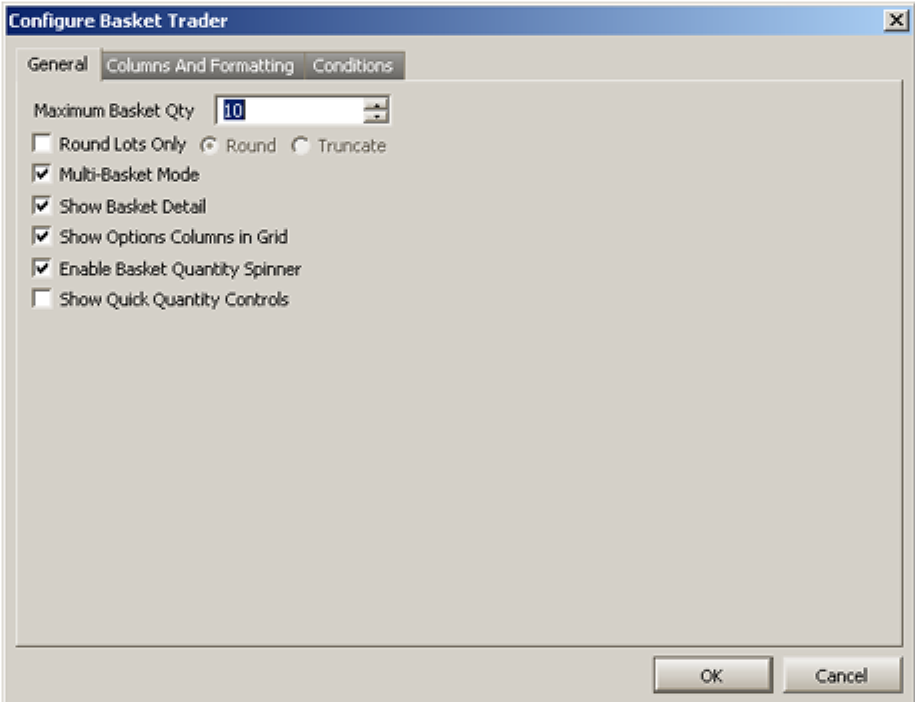
Issue a Basket Trade with a Crossing Route:

When a crossing order is executed, the **Crossing Tracker** applet opens allowing for the management of all crossing orders.

- The route **<Crossing>** must be selected. The Crossing Route is based on the **Option Quote Source Routes** defined in **Global Configuration.**
- Crossing Route(s) must be enabled (see the Crossing Route Detail section of Basket Trader above).

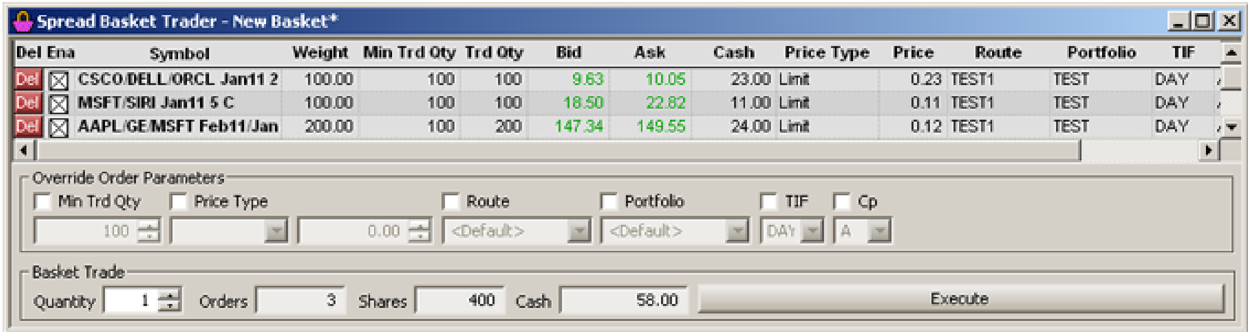
Crossing Basket Configuration

The Crossing Basket configuration screen is similar to the Basket Trader with a few exclusions:



See **General Configuration** for detailed descriptions each field.

Spread Basket Trader



The **Spread Basket Trader** is a standalone applet used to send multiple spread orders in a single basket.

Launch Spread Basket Trader

From the WTP menu select Spread Basket Trader.

Alternate Method:

From the WTP toolbar select **Trade-->Spread Basket Trader**.

In the images above, three spread orders are defined in Spread Viewer and sent to the Spread Basket Trader

Stage Basket Trader

Operating in the same fashion as the standard Basket Trader, orders sent via the Stage Basket Trader are different because they represent an *intention* to trade waves of single orders.

New orders for a particular security can be attached to the same security in the basket, reducing the staged order's amount. Viewable in the Order Grid, Stage Basket Trader orders can be changed or released.

Launch Stage Basket Trader

From the WTP menu select Stage Basket Trader.

Alternate Method:

From the WTP toolbar select **Trade-->Stage Basket Trader**.

Learn more about staged orders **here**.

Corporate Action Viewer

View corporate action for the past week including Corporate Events, Delisted Symbols, Dividends, IPOs, Splits, and Symbol Changes.

Symbol	Event Date	Entity Type	Split Ratio	Shares Before	Shares After	Comments
ALIE	1/3/2013	Equity	100.0000	1	100	100-1 stk; Due Bill Redeemable Date: 01/07/2013 **
AML	1/7/2013	Equity	0.0500	20	1	
ARGXD	1/7/2013	Equity	0.0500	20	1	
ARNHD	1/4/2013	Equity	0.0004	2,500	1	New symbol ARNHD
BECO	1/2/2013	Equity	21.0000	1	21	21-1 stk. Due Bill Redeemable Date: 01/04/2013
DLR	1/7/2013	Equity	0.9905	1,009,601	1,000,000	
DLR.U	1/7/2013	Equity	0.9905	1,009,601	1,000,000	
EVXAD	1/4/2013	Equity	0.0010	1,000	1	New Name Mission Mining Company. New Symbol EVXAD
FCIA	1/8/2013	Equity	33.0000	1	33	
FDC	1/3/2013	Equity	0.0667	15	1	
FDCFD	1/3/2013	Equity	0.0667	15	1	
GMXR	1/4/2013	Equity	0.0769	13	1	
HXBMD	1/3/2013	Equity	0.0033	300	1	New symbol HXBMD
SANTD	1/4/2013	Equity	0.0025	400	1	New Symbol SANTD, 1-400 R/S **
SLGA	1/7/2013	Equity	10.0000	1	10	Due Bill Redeemable Date: 01/09/2013
SNPD	1/2/2013	Equity	5.0000	1	5	5-1 stk ; Due Bill Redeemable Date: 01/04/2013 **
TDW	1/8/2013	Equity	0.1000	10	1	
CVOL	1/2/2013	Exchange Traded N	0.1000	10	1	
ANLDD.QO	1/7/2013	Preference	0.2500	4	1	New symbol: ANLDD
ANLDD.QO	1/7/2013	Preference	4.0000	1	4	New symbol: ANLDD

[Corporate Action Viewer Requirement](#)
[Launch Corporate Action Viewer](#)
[Configure Corporate Action Viewer Tabs](#)
[Sorting Data Within Columns](#)
[Search for Symbols](#)
[Display Entities](#)
[Show/Hide the Status Bar](#)
[Send Corporate Action Viewer Content to other WTP Applets](#)
[Templates](#)
[Export Grid Data](#)
[Copy, Copy This Cell](#)
[Printing](#)

Corporate Action Viewer Requirement

An **Activ Quote Connection** is required in order for Corporate Action Viewer to search symbols.

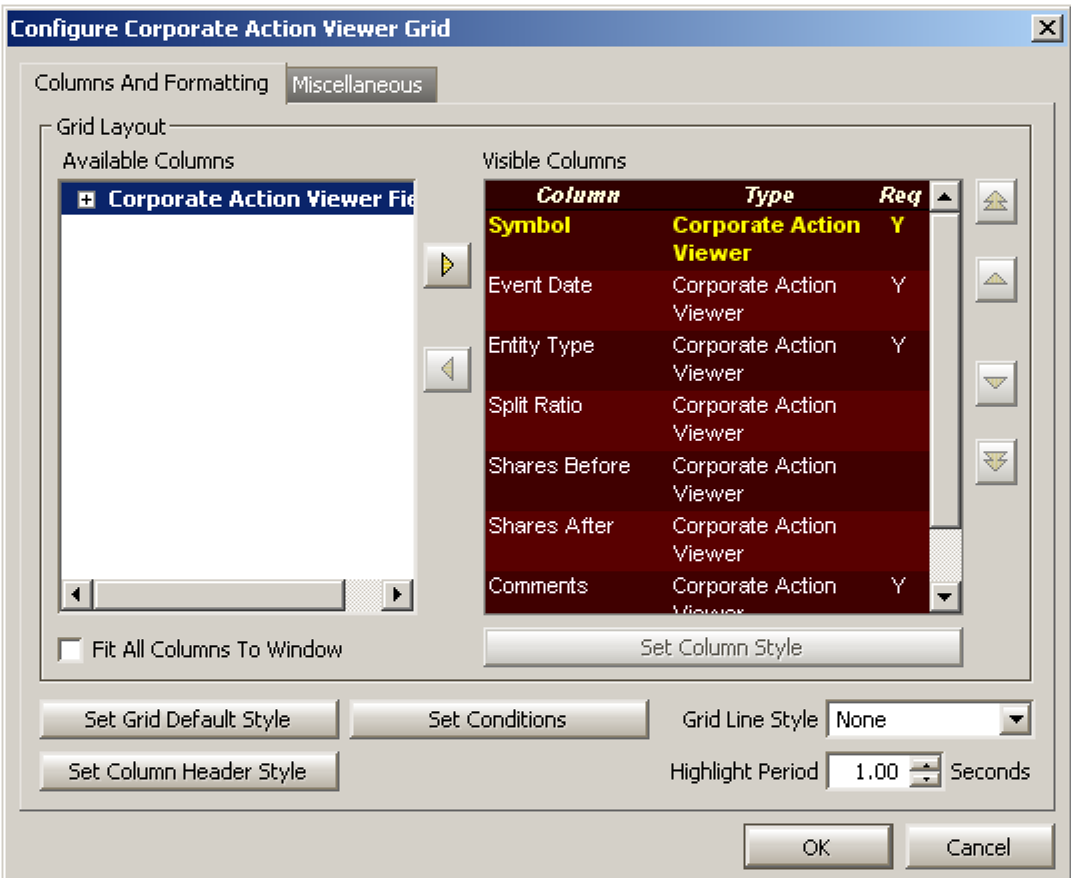
Launch Corporate Action Viewer

From the WTP menu select **Corporate Action Viewer**.

Alternate Method:

From the WTP toolbar select **Analyze-->Corporate Action Viewer**.

Configure Corporate Action Viewer



To launch the Configuration window:

Press the configuration icon .

Alternate Methods:

- Right-click anywhere in the grid and select **Configuration**.
- From the **Config** menu select **Configuration**.

Add/Remove Columns

Learn how to set up columns and define formatting **here**.

Miscellaneous Tab

Check the **Sort Equities to Top** box to display equity entities at the top of the Corporate Action Viewer grid. If unchecked, entities will be listed in alphabetical/numerical order.

Tabs

In the system default template for Corporate Action Viewer are six tabs:

- **Split** (stock split data)
- **Dividend** (securities issuing dividends)
- **IPO** (securities issuing initial public offerings)
- **Delist** (securities delisted)
- **Corporate Event** (security price adjustments)
- **Symbol Change** (old and new symbol names)

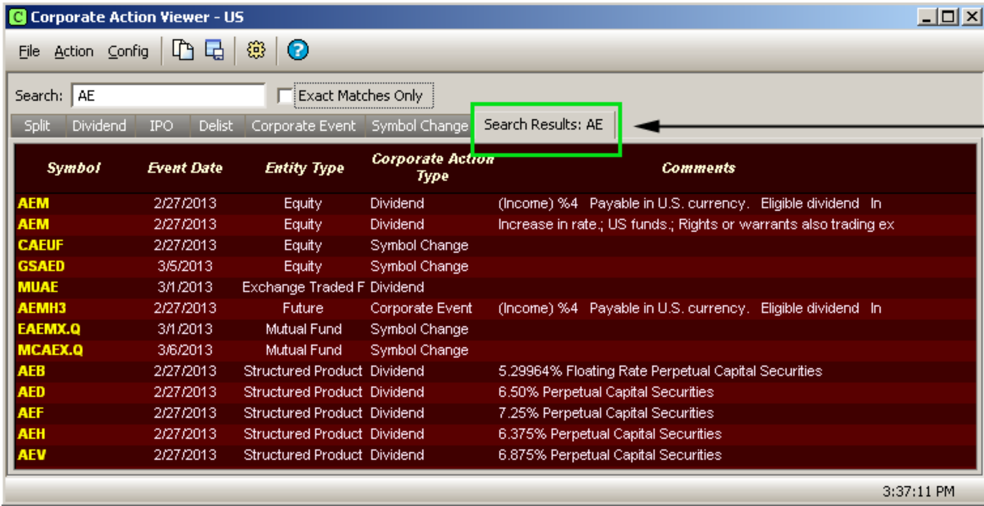
Note about adding tabs: The tabs that can be added to Corporate Action Viewer are, by default, named the same as those found in the system default template. For example, the **IPO** tab already exists, but another **IPO** tab can be added. A trader could be interested in equity IPOs and Mutual Fund IPOs. Creating a second IPO tab (where one displays only equities, and the other displays only mutual funds) solves this problem. To avoid any confusion over the contents of a tab, each can be renamed (e.g., Equity IPO, Mutual Fund IPO).

Learn more about using tabs **here**.

Sorting Data Within Columns

As with all WTP grids, data within columns can have their alphabetical/numerical order changed by double-clicking on a column's head.

Search for Symbols

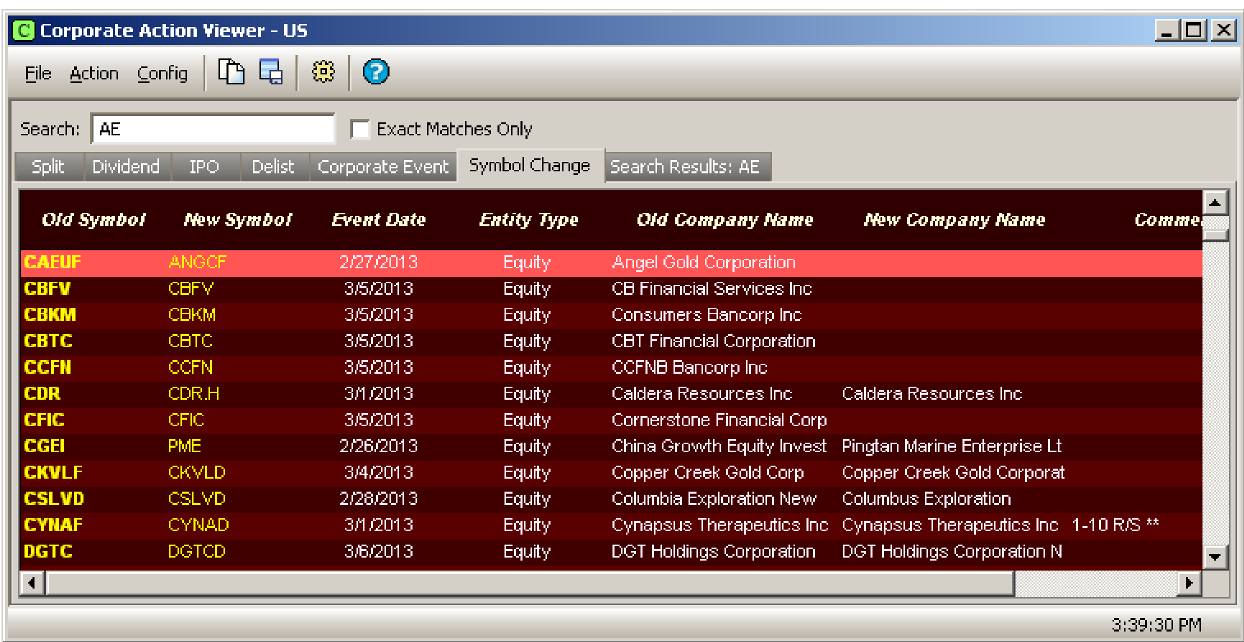


Search results found here

Search results are displayed in the **Search Results** *tab. In this example, the search results for* **AE** *are displayed.*

Double-clicking on a row displayed in **Search Results** *will automatically open the symbol under the appropriate tab.*

For example, double-clicking on the symbol **CAEUF** *opens the specific Corporate Action page that contains the search result (as seen below)*



Enter a search term in the Search field and press **Enter**. This will search the Symbol field* of all corporate actions for matching symbols. The results will be displayed in the **Search Results** tab.

*For Symbol Change events, both the old symbol and the new symbol fields will be searched.

Double-click on any row displayed in Search Results and Corporate Action Viewer switches to the *specific corporate action page* that contains the search result. In the first image above, the symbol **CAEUF** was listed in Search Results. Double-clicking on it opens the specific corporate action relating to that symbol. In the second image, the **Symbol Change** tab is automatically selected, reflecting the fact that the corporate action for symbol **CAEUF** was a symbol change.

If you are seeking an exact match to the content in the Search field, check **Exact Matches Only**.

Search Command Limitations

1. Wildcard characters (* +, etc.) should not be used as part of a search and can result in Corporate Action Viewer finding no matches.
2. The results of a search can only be found under the **Search Results** tab. They will not be reflected in the other tabs of Corporate Action Viewer.
3. An exact search finds only those symbols that match exactly, in order, with no extra characters. In the image above, the search for "ab" finds all symbols that contain, in order, the letters "a" and "b". An exact match would yield nothing.

Display Entities

The entities that are to be displayed in the **Entity** column can be filtered. Click on the **Entity Type** column head and select the entities to be displayed from the drop-down list.

Show/Hide the Status Bar

In the **Config** menu, select **Status Bar** to display the current time and any system messages at the bottom of the Symbol Browser window.

Send Corporate Action Viewer Content to Other WTP Applets

Symbols in Corporate Action Viewer can be sent to other WTP applets via the **Send to** command.

From the **Action** column select **Send to-->.** Select the applet to send the Symbol.

Alternate Method:

Right-click anywhere in the Corporate Action Viewer grid and select **Send to-->**.

Learn more about the **Send to** feature **here**.

Templates

Corporate Action Viewer configurations can be saved as templates.

Learn about templates **here**.

Export Grid Data

Data in Corporate Action Viewer can be exported to a file, clipboard, or Excel spreadsheet.

Learn about exporting grid data **here**.

Copy, Copy This Cell

The **Copy** command copies all selected rows. The **Copy This Cell** command copies a selected cell.

To Copy:

1. Select one or more rows.
2. From the **Action** column select **Copy.**

   Alternate Methods:
3.

- Right-click on the highlighted rows and select **Copy.**
- Press **Ctrl +c** after highlighting the row(s)

Note: The copy command copies the selected data *and* their row numbers and column heads.

To Copy a Cell:

1. Click on the cell to be copied.
2. From the **Action** menu, select **Copy This Cell**.

   Alternate Methods:

1. Right-click on the cell to be copied, and select **Copy This Cell**.
2. Click on the cell to be copied and enter **Shift + Ctrl +c**.

Printing

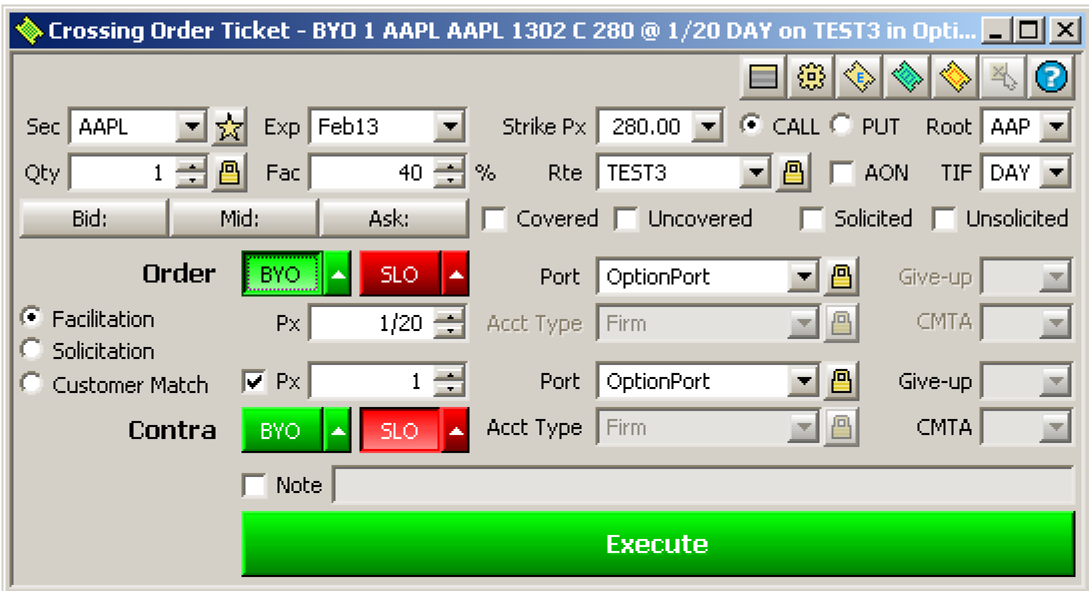
The data in Corporate Action Viewer can be printed.

Learn about the printing feature **here**.

Crossing Ticket

Send matching customer and broker orders together straight to the exchange with the standalone Crossing Ticket. The Crossing Ticket can be used to send Spread or Outright Facilitation, Solicitation, and Customer Match Crossing Orders. Once all the variables of the order is in place, the Crossing Ticket displays the order's marketability.

For Crossing Spread Orders, use the Crossing Ticket in **Spread Builder**.



Open the Crossing Ticket

Create a Crossing Spread Order

Order Eligibility Display

Configure Crossing Ticket

Crossing Route Details

Crossing Tracker

The Equity Crossing Ticket

Quotes Dialog Window

Outright Order Ticket

Open the Crossing Ticket

From the WTP toolbar click **Trade** and select **Crossing Ticket**.

Alternate Method:

From the WTP menu, select **Crossing Ticket**.

Note: Crossing Ticket can also be launched from the **Option Quote Cube**.

Create a Crossing Spread Order

1. Contra Side Types

Contra Side types are opposite those of the Order side (i.e., if the order is a BUY, the Contra is a SELL).

2. Crossing Type

Select one crossing type:

- Facilitation (A member or member organization executes a crossing order with an order from a public customer).
- Solicitation (An order solicited by a member firm to trade with another order. A customer's order is matched with a solicited counter bid or offer).
- Customer Match (An unsolicited crossing type).

3. Facilitation Percentage

The **Facilitation %** is a *minimum guarantee* of the percentage a broker will take when facilitating a crossing order.

Example: A crossing order is sent with a 40% facilitation. The customer's side gets filled 100% and the broker gets 40% minimum of the fill. If there are no takers, the broker might end up filling more than 40%, but the minimum guarantee remains the same.

Limitations:

- Facilitation % does not apply for customer-to-customer crosses (where the guarantee is 100%).
- The maximum facilitation percentage is 40. That is the limit that most exchanges will support.
- If the route does not support the feature, Facilitation % will be greyed out.

A 0% facilitation is valid and is indicative of a crossing order where the broker has little interest in participation.

4. Account Type

Select an account type from the drop-down list in the Crossing Ticket. Available account types are:

- Broker Dealer

- Customer
- Firm
- Market Maker

5. Define Give-up, CMTA

- **Give-up—**A transaction between three brokers where one broker hands off a trade to a second broker, who then buy the stock from a third. The third broker exercises the trade, while the first broker *gives up* the name of the second broker, even though the trade is executed between the first and third broker.

  Example: Broker A receives a buy order, but is too busy to handle it. Broker B is asked to help fill the order and buys the stock from Broker C. The transaction is recorded between Brokers B and C. Broker A, in effect, *gives up* the name of Broker B. The trade, however, is executed between Broker A and Broker C.

  Select a Give-up value from the drop-down list.

- **CMTA** (**C**learing **M**ember **T**rade **A**greement)**—**An agreement where an investor trades with a number of different brokers, later consolidating the trades through a single broker for clearing.

Note: Values for Give-up and CMTA are defined by an administrator.

6. Note Field

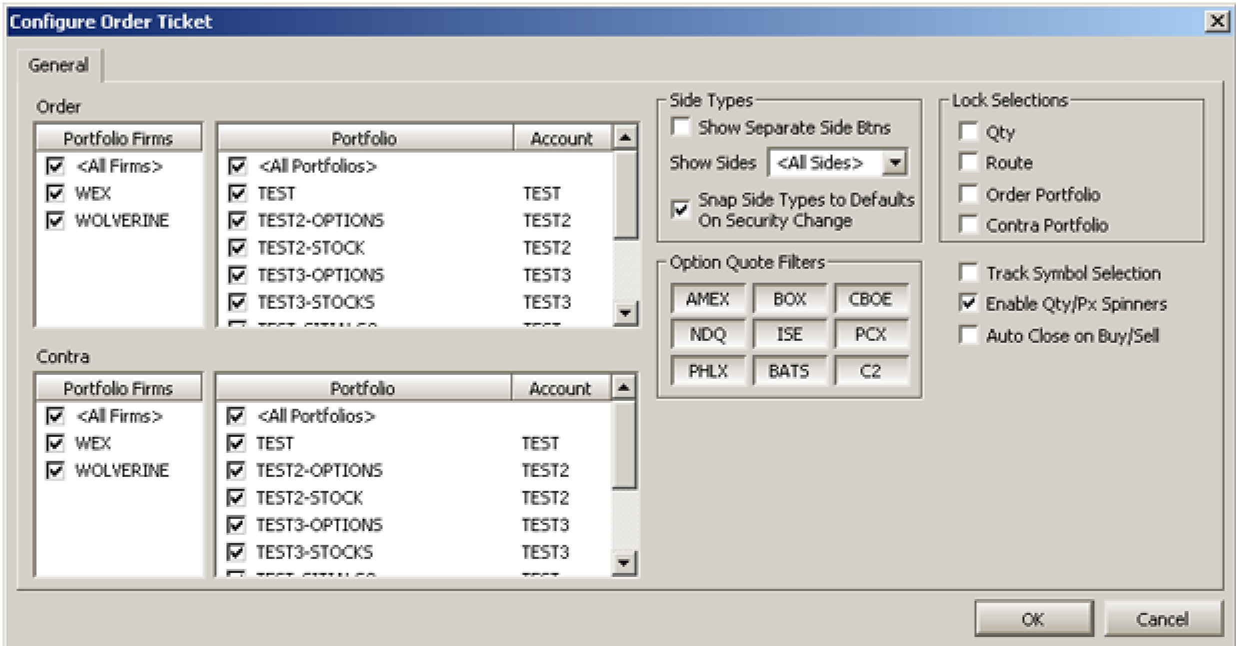
Check the **Note** box to add a free-form note that will accompany the order.

Order Eligibility Display

This Crossing Order Ticket displays the viability of an order in one of three colors (next to the Execute button):

- **Green—**The order is **Eligible (Bid < Price < Ask)**
- **Yellow—**The order is **Possible (Price = Bid *or* Price = Ask)**
- **Red—**The order is **Ineligible (Price < Bid *or* Price > Ask)**

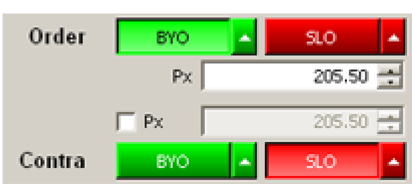
Configure Crossing Ticket



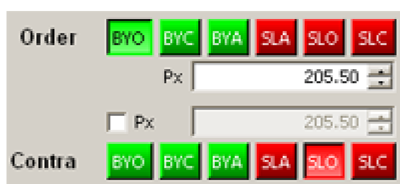
Portfolios—Check each desired portfolio name or select **<All Portfolios>** that will be available on the Crossing Ticket.

Side Types—Select side types (or **<All Sides>**) from the drop-down list.

Check the box **Show Separate Side Btns** to see the selected sides:



Default Sides



Show All Sides

Snap Side Types to Defaults on Security Change— The selected Buy and Sell side types will be considered default values whenever a new symbol is chosen.
Check the box to activate this feature. The default side types will be seen when a new symbol is selected.

Option Quote Filters—Select/disable one or more Option quote sources by pressing the quote source name.

Lock Selection—A checked selection will have its value saved for all new Crossing Orders.

> **Note:** Lock Selections can also be accomplished by pressing the blue lock icon next to one of the four fields.

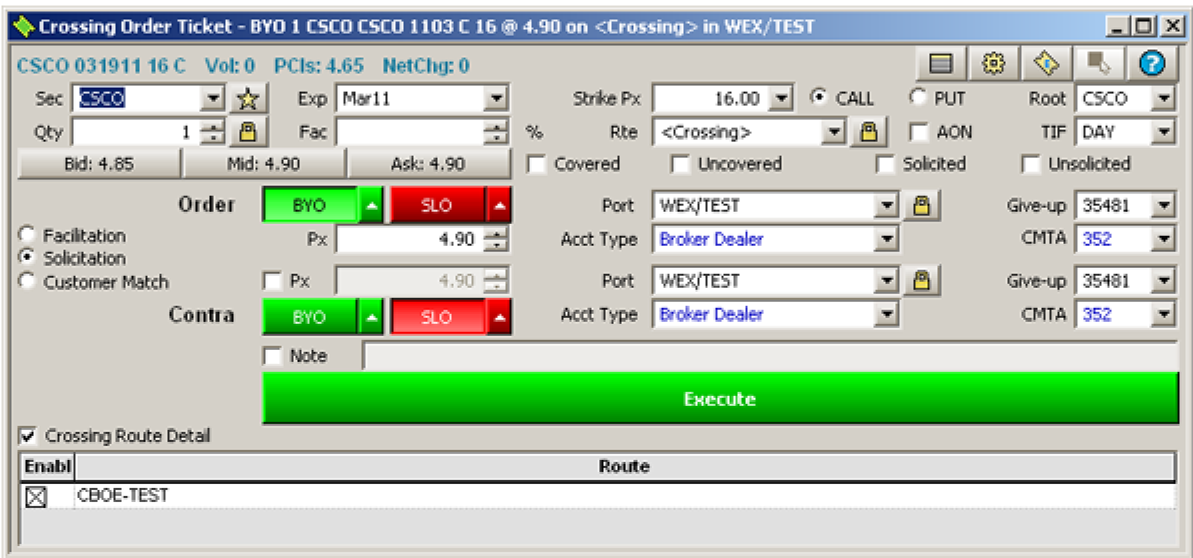
Track Symbol Selection—The security will automatically change to match the security of another applet if checked. Learn about Toggle Symbol Tracking [here](#).

Note: The feature can be enabled by pressing the Toggle Symbol Tracking icon .

Enable Qty/Px Spinners—If checked, the Qty and Px fields in the Crossing Ticket will have spinners (up/down arrows) as an alternate method of data input.

Auto Close on Buy/Sell—The Crossing Ticket will close automatically when a buy or sell order has been filled if this option is checked.

Crossing Route Details



A **Crossing Route Detail** table displays when selecting the **<Crossing>** route and checking the **Crossing Route Detail** box. The <Crossing> route is based on the **Option Quote Source Routes** defined in **Global Configuration**.

In the grid, routes may be selectively enabled/disabled by checking/unchecking a selected route. By default, all routes are enabled.

When executing a Crossing Order with the <Crossing> route, the **Crossing Tracker** (below) opens.

Crossing Tracker

When a crossing order is executed via the <Crossing> route, the **Crossing Tracker** opens. An order is automatically sent to one of the enabled routes when the price of the crossing order becomes eligible. If the order fails, Crossing Tracker will try to send it to the next available route.

Crossing Tracker allows for the management of crossing orders. Although Crossing Tracker can be column-customized, there are three default columns:

- **Stop** (allows for the stopping of a crossing order)
- **Symbol** (as reported in the Crossing Order Ticket)
- **Last Error** (a specific route's most recently reported error for an order)

By default, Crossing Tracker will close when all orders have finished or all orders have been stopped.

If Crossing Tracker is closed, all active crosses will be stopped (a confirmation window will appear as a safeguard).

The Equity Crossing Ticket

The Equity Crossing Ticket has been designed for equity orders. The interface is similar to the Crossing Order Ticket except that option-related fields have been removed.

The Equity Crossing Ticket can be changed to the option mode by pressing the "switch to option mode" icon .

Quotes Dialog Window

A quotes dialog table that displays quotes from selected exchanges can be selected in the Crossing Ticket in **Options** mode.

To launch the quotes window, press the **Show Exchange Quotes Dialog** button .

The quotes table will display quotes from the security selected in the ticket. Current quote prices as well as the marketability of the quotes are shown. Quotes in **green** are marketable, quotes in **yellow** are possible.

By default all exchanges are selected in the quotes window. To disable an exchange from reporting in the quotes window, uncheck the box in the **Enable** column in the row of the exchange.

Outright Order Ticket

Select the **Outright Order Ticket** icon  to switch the Crossing Ticket to the standard **Order Ticket**.

Equity Imbalance Viewer

Large quantities of buy/sell orders for a security can cause an unusually wide spread between bids and offers. Exchanges frequently halt the trading of securities with a significant order imbalance until more buyers or sellers appear and an orderly market can be re-established. **Equity Imbalance Viewer** displays the securities that are imbalanced at the open or close of the current trading day.

[Launch Equity Imbalance Viewer](#) [Filter Data in Equity Imbalance Viewer](#) [Columns and Formatting](#)
[View Imbalance Data (Open or Close)](#) [Cancel an Order](#) [Equity Imbalance Viewer Templates](#)
[Cancel All Orders](#) [Send Equity Imbalance Viewer Data](#) [Copy Security Name(s)](#)

Launch Equity Imbalance Viewer

From the WTP Toolbar select **Analyze-->Equity Imbalance Viewer.**

Alternate Method:

From the WTP menu select **Equity Imbalance Viewer**.

View Imbalance Data (Open or Close)

Equity Imbalance Viewer allows imbalance data to be viewed at the trading day's opening *or* closing.

From the drop-down menu at the top of the Equity Imbalance Viewer select either **Open** or **Close**.

The availability of Opening and Closing data varies depending on the exchange.

View Buy and/or Sell Imbalances

Equity Imbalance Viewer can display buy and/or sell imbalances.

From the drop-down menu at the top right portion of Equity Imbalance Viewer select check the **Buy** or **Sell** box or both.

Select Securities to View

Equity Imbalance Viewer can set to report one, many, or all securities from selected exchanges.

Type one or more security names in the security-name field (upper left of Equity Imbalance Viewer). Separate security names with a semi-colon.

Select All Securities

From the drop-down menu in the security-name field check the box **<All>**.

Create an Order from Equity Imbalance Viewer

An order can be created directly from Equity Imbalance Viewer by double-clicking on a row with the preferred security. Once selected, an **order ticket** will open. If there is a buy imbalance on the selected row, the order ticket will default to a sell side type (and a buy side type with a sell imbalance).

The price in the order ticket will be set to the **Price Near** value for the selected security in Equity Imbalance Viewer.

Create an Order Without Equity Imbalance Viewer Side Types

In addition to creating an order within Equity Imbalance Viewer, an order can be created without Equity Imbalance Viewer's default side types.

1. Highlight a row containing the desired security name by clicking on it once.

2. Type **Ctrl+n.**

The Order Ticket will open but will the side type will not be the reverse of the imbalance, nor will the price be the Price Near value.

Alternate Methods:

Follow step 1, then go to the **Action** menu and select **New Order**.

Follow step 1, then right-click in the Equity Imbalance Viewer grid and select **New Order**.

Filter Data in Equity Imbalance Viewer

The data displayed in Equity Imbalance Viewer can be filtered by the following:

- Paired Shares
- Unpaired Shares
- Price Near
- Price Far
- Reference Price

Press the filter icon  to open the **Filters** window.

Learn how to configure and enable this window (similar to setting row color conditions) **here**.

Cancel an Order

To cancel a single order for a selected security, highlight the row containing the security and type **Ctrl+z**.

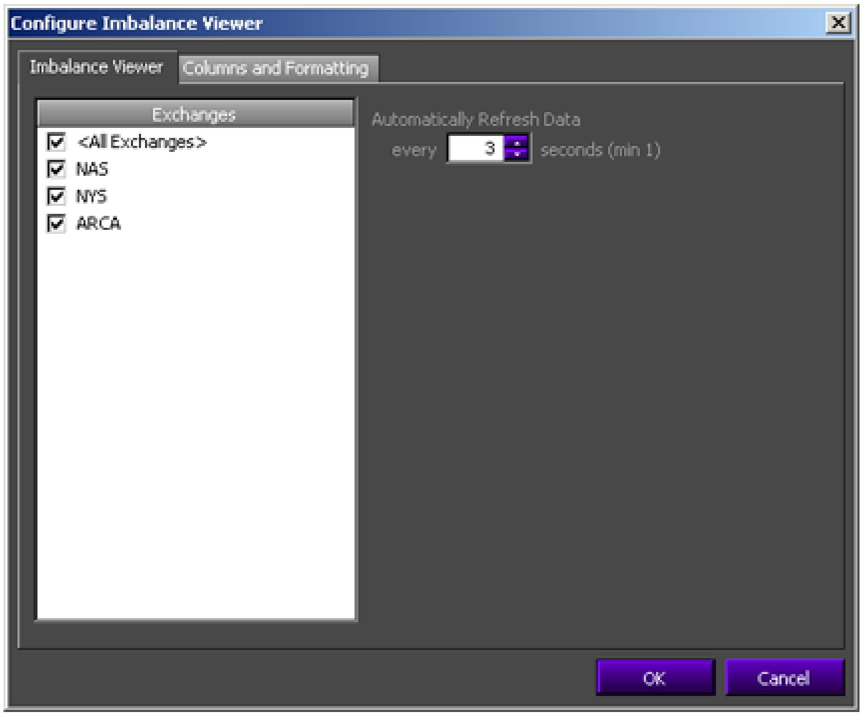
Alternate Method:

Highlight the row containing the security. From the **Action** menu select **Cancel All For Symbol:** ***(symbol name).***

Cancel All Orders

All orders regardless of security can be canceled in Equity Imbalance Viewer.

Equity Imbalance Viewer Configurations



Select the exchange(s) that will be used in reporting Equity Imbalance Viewer data and configure the columns through the configuration feature.

To open the configure window press the Configure icon .

Alternate Methods:

From the **Config** menu select **Configuration**.

Right-click in the Equity Imbalance Viewer grid and select **Configuration**.

Select Exchange(s)

In the Equity Imbalance Viewer tab of the Configuration window, check the box next to each exchange to be used for reporting imbalance data.

Select **<All Exchanges>** to receive data from all listed exchanges.

Automatically Refresh Data

The default time in which Equity Imbalance Viewer refreshes data is every 3 seconds.

This interval can be changed to as low as 1 second or as large as desired. Enter a value in the **Automatically Refresh Data** field that reflects the interval (in seconds) in which Equity Imbalance Viewer refreshes data.

Columns and Formatting

In the **Columns and Formatting** tab of the Configuration window, grid customization is defined.

Learn about columns and formatting **here**.

Equity Imbalance Viewer Templates

Customized settings can be captured in a template. A saved template can be defined as default and will be subsequently loaded whenever Equity Imbalance Viewer is launched. Saved (i.e., not default) templates can be called anytime when working in Equity Imbalance Viewer.

Learn about templates **here**.

Send Equity Imbalance Viewer Data

A row or multiple rows of Equity Imbalance Viewer data can be sent to the following WTP applets:

- **Order Grid**
- **Equity Time and Sales**
- **Option Time and Sales**
- **Spread Book**
- **Spread Builder**
- **Position Grid**
- **Managed Orders**
- **WTP Browser**

Highlight one or more rows in Equity Imbalance Viewer. From the **Action** menu select **Send to --> *(name of applet)***

Alternate Method:

Right-click in the Equity Imbalance Viewer grid and select **Send to --> *(name of applet)***

Copy Security Name(s)

One or more security names can be copied from Equity Imbalance Viewer and pasted into another program (i.e., Excel, Word, etc.)

Highlight one or more rows and click the **Copy** icon .

Toggle Symbol Tracking

Security names can be inserted automatically into Equity Imbalance Viewer via the Toggle Symbol Tracking feature .

Learn about Toggle Symbol Tracking **here**.

Equity Quote Cube

With the Equity Quote Cube you can view Level I and II data and time-of-sales data for equities and futures. You can also:

- Display book depth across multiple color-coded exchanges
- Issue and cancel orders directly
- Selectively hide/show quotes for a particular exchange
- Immediately display Bid/Ask, Volume, Low/High, and VWAP
- View quotes consolidated by price or average liquidity
- View real-time and historical ticks across multiple exchanges
- View your orders interleaved with book depth data
- Configure grid colors and fonts
- Place and cancel orders directly from the grid or from an attached order ticket

Launch Equity Quote Cube

From the WTP toolbar select **Analyze-->Equity Quote Cube**.

Alternate Method:

From the WTP menu, select **Equity Quote Cube**.

The Equity Quote Cube Display

The Equity Quote Cube is divided into quadrants, each of which can customized:

- Security Detail (left, top, can be turned on or off)
- Book Data Grids (center, can be configured)
- Order Ticket (left, bottom, can be turned on or off)
- Ticker (right, can be turned on or off and configured)

Toggle Symbol Tracking

Learn all about Toggle Symbol Tracking **here**.

Quote Detail

The **Quote Detail** portion of the Equity Quote Cube displays:

- **Bid/Ask/Last** prices along with the most recent trade, the exchange, and time of execution
- **Change** (price and percentage)
- **VWAP** (Volume-Weighted Average Price)
- **Low/High prices** (for the current trading day)

- **Trade volume** (number of shares)
- **Open price** (start-of-the-day price)
- **PCls** (price at closing)

View Quote Detail

To view quote details in the Equity Quote Cube:

Press the **Show/Hide Security Detail** icon to show the quote details

Alternate Methods:

- Right-click anywhere in the Equity Quote Cube and select **Show Security Detail**.
- From the **Config** menu select **Show Security Detail**.

Either method toggles the display to show or hide the security details.

Bid and Ask Orders from the Quote Detail

Enter an order by clicking on **Bid** or **Ask.** The **Order Ticket** will display with the Bid/Ask value filled in.

Configure the Equity Quote Cube

Columns, rows, and other data displayed in the Equity Quote Cube can be configured.

The Configuration Window

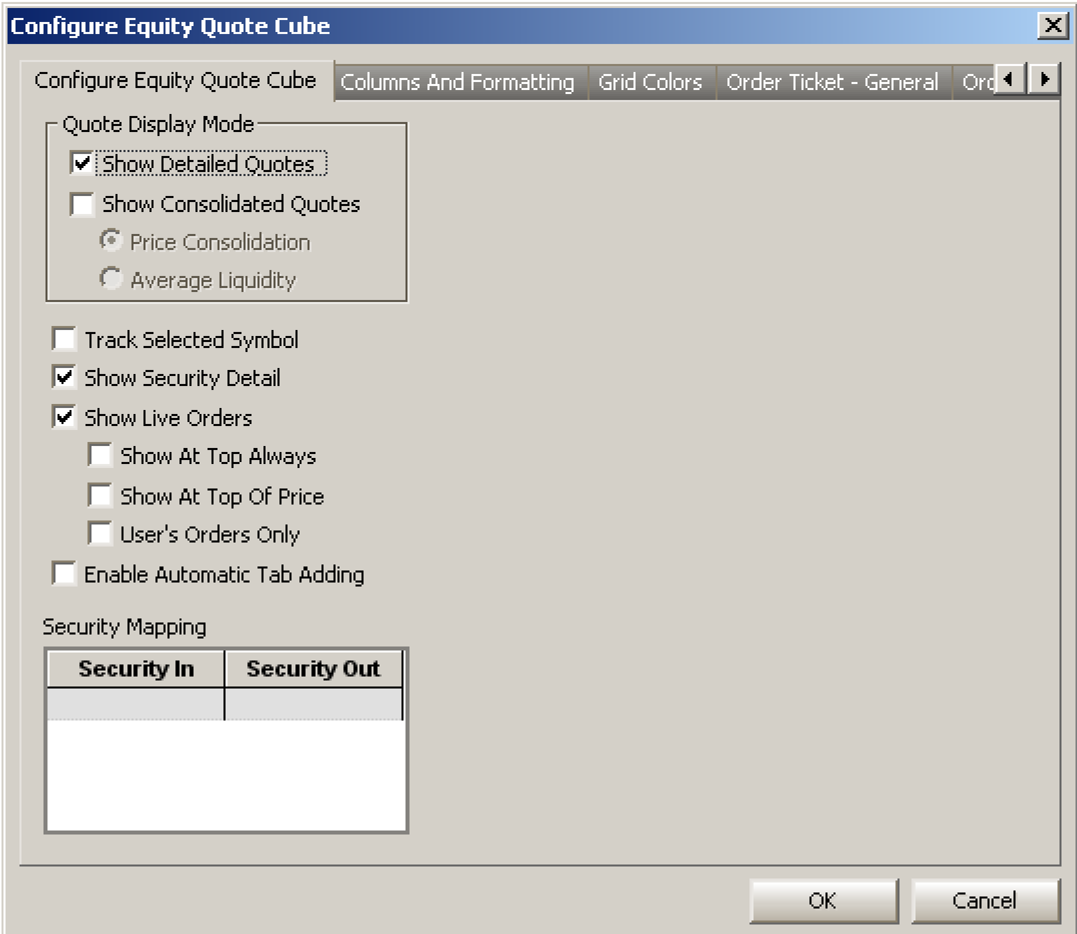
To launch the configuration window:

Select the configuration icon .

Alternate Methods:

- Click the right mouse button in the Equity Quote Cube and select **Configuration**.
- From the **Config** menu select **Configuration**.

The Configure Equity Quote Cube Tab



Quote Display Mode

Select **Show Detailed Quotes** to view detailed data about a security (including, but not limited to, number of bids, market maker identity, ask/bid values, number of bids/asks).

Select **Show Consolidated Quotes** to view quotes that are:

- **Price Consolidation**—All matching prices are grouped together in one entry where the #Bids or #Asks columns list the quantity of Bids or Asks.

  OR

- **Average Liquidity**—The available quantity at a given price.

Either **Show Detailed Quotes** or **Show Consolidated Quotes** must be selected. Both may be selected, but the **Show Consolidated Quotes** option may only have one type of consolidated quote.

Alternate Method:

You can also choose the quote mode by selecting the **Select Grid Mode**  icon and making your choice from the list of quote modes.

Track Selected Symbol

Checking the Track Selected Symbol box causes the symbol in the Equity Quote Cube to be tracked in other WTP applets. See **Toggle Symbol Tracking** for more information.

Show Security Detail

When this box is checked, the security detail will appear in the upper left portion of the Equity Quote Cube.

Note: The Show Security Detail option can also be accessed from the Workspace toolbar in pinned mode (**Equity Quote Cube-->Config-->Show Security Detail**) or by clicking the **Show/Hide Security Detail** icon , or by right-clicking in the Equity Quote Cube window and selecting **Show Security Detail**.

Show Live Orders

Selecting this option will display your live orders initiated from the Equity Quote Cube and orders sent to the Equity Quote Cube from other WTP applets (for example Order Ticket or Basket Trader via the **send to-->** command).

If Show Live Orders is checked you may also choose the manner in which live orders are displayed:

- **Show Live Orders at the Top Always** places live orders at the top of the book data grid, regardless of their bid price.
- **Show At Top Of Price** will display the live order at the very top of a **price grouping**.

Enable Automatic Tab Adding

Equity Quote Cube can add new tabs as they're being typed. Learn more about this feature **here**.

Security Mapping

With Security Mappings, one or more securities are defined and placed in the Security In column. For each security, a Security Out is defined. When sending a Security In security from a WTP applet, the Equity Quote Cube will respond by displaying the Security Out security.

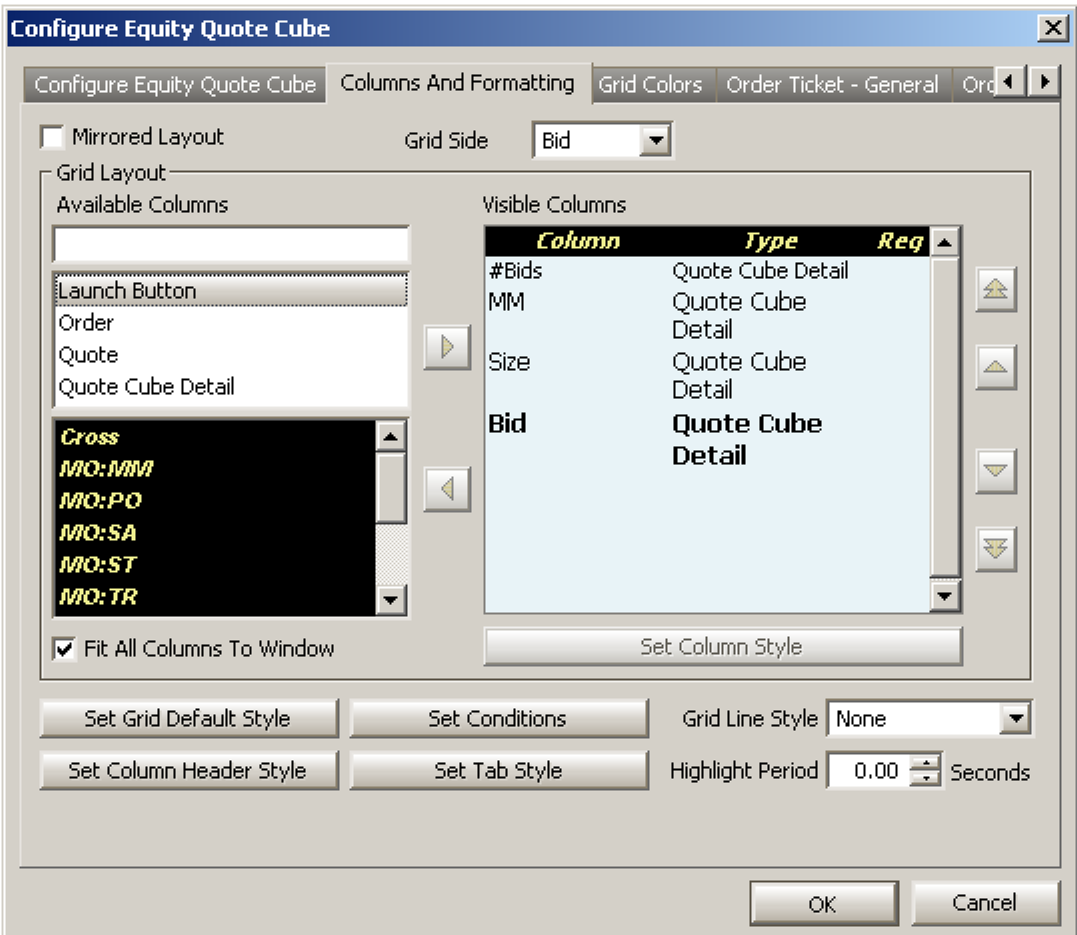
In the image above, security **AA** is mapped to security **DELL**. If **Toggle Symbol Tracking** is enabled, the Equity Quote Cube will display the **DELL** security whenever the Option Quote Cube selects the **AA** security.

Note 1: When mapping, a **Security Out** security may be used multiple times but a **Security In** security may be used only once.

Note 2: If toggle symbol tracking is disabled, the Equity Quote Cube will also respond to the mapping if the **Security In** symbol is sent to it via an applet's **send to-->** command.

Note 3: WTP's **Connections** feature works with similar functionality.

Columns and Formatting



The displayed columns and their attributes are configured on this screen.

Mirrored Layout

Mirrored Layout refers to displaying the same columns in both the **ASK** and **BID** grids (i.e., one grid *mirrors* the other so that the first column in the BID grid will be reflected as the last column in the ASK).

For example, a column is added/deleted to/from the **BID** grid. Go into Configure Equity Quote Cube, check **Mirrored Layout** and save. The same column is automatically added/deleted to/from the **ASK** grid.

If a new column is added to the either grid and the new column is not reflected in the other grid it is because **Mirrored Layout** is unchecked.

Available Columns

See **Field Chooser** for information on how to search for, and add, columns to grids.

Grid Defaults, Row Color Conditions, Column Header Style

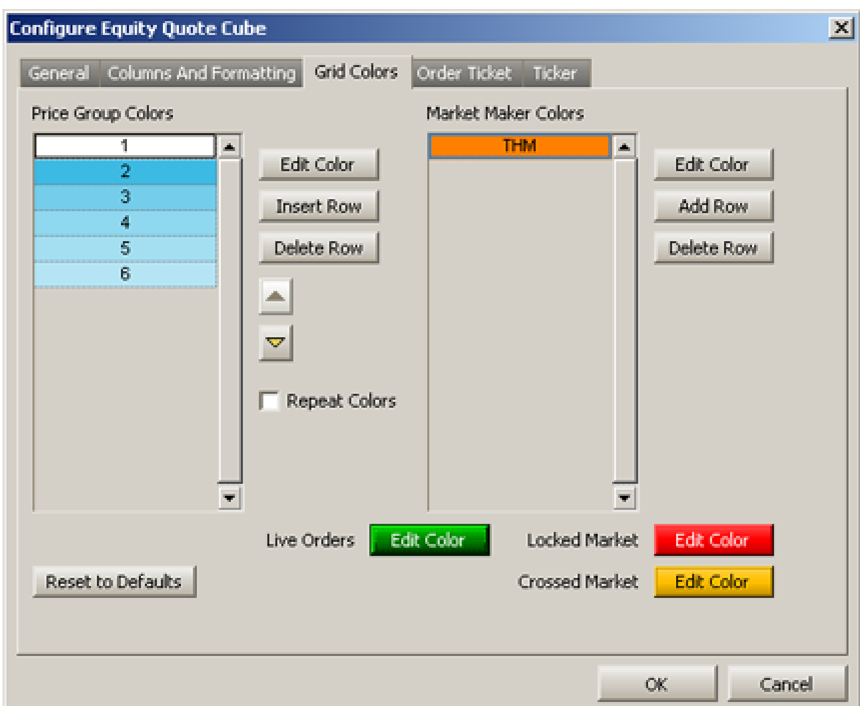
Information on setting grid defaults, row color conditions, and column headers can be found **here**.

Tabs in Equity Quote Cube

Tabs can be customized and arranged in alphabetical order.

Learn more about tabs **here**.

Grid Colors



A color scheme can be defined to group quotes by **price** or **market maker**. Additional colors can be configured to identify local orders as well as markets that are either locked or crossed.

Set Price Group Colors

A price group is a collection of quotes that have the same price.

Edit a group color

1. Double click on a row **or** click once on a row and press the **Edit Color** button.
2. Select a color (or define a custom color) and click **OK.**

Insert a Row

1. Click on any existing color in the Price Group.
2. Press **Insert Row**. A new row will be placed **above** the row that was selected.

Delete a Row

When a row is deleted, the color is deleted with it. For example:

Price Group Color #1 is green and Price Group Color #2 is yellow. If Price Group Color #1 is deleted, Price Group Color #2 will move into the first position but will remain yellow.

To delete a row:

1. Click on a row to be deleted.
2. Pres **Delete Row**.

Set Market Maker Colors

Configuring a Market Maker color will result in any quote from that Market Maker being displayed in the chosen color. A separate color can be assigned to each Market Maker.

To define Market Maker Colors:

1. Click **Add Row**. A Market Maker ID window will display.
2. Enter the Market Maker ID in the empty field. Click **OK.**
3. Select a color swatch or define a custom color. Click **OK**.
4. Repeat to define the colors for other Market Makers.

Editing colors, adding and deleting rows, are handled in the same manner as the Price Group Colors.

Moving an Existing Color to a Different Price Group

An existing Price Group color can be moved to a different Price Group. For example:

Price Group Color #2 is yellow, but it is desired to have Price Group #6 in yellow. Using the down arrow, the yellow color is moved into Price Group #6. Price Group #2 will take the color that was previously defined in Price Group #3.

To assign an existing color to a different price group:

1. Click on a row that will have its color assigned to a different price group.
2. Click on the **UP** or **DOWN** arrows until the color is placed in the desired Price Group.

   Result: The desired Price Group will take on the new color while the row selected in Step #1 will take the color from the next adjacent row.

Repeat Colors

If there are more Price Groups or Market Makers than there are configured colors, the colors will be repeated.

For example, if 5 Price Groups are defined, but there are 7 displayed in the Equity Quote Cube, the grid will color Price Group 6 the color of Price Group 1. Price Group 7 will be colored the same as Price Group 2, etc.

Set Colors for Live Orders, Locked Markets, and Crossed Markets

Press the **Edit Color** button on each to define its respective color.

Note: Locked and Crossed Market colors have precedence over the Price Group or Market Maker colors.

Default Colors

Press **Reset to Defaults** to reset all colors to their original default values.

Display Exchange Quotes

Dynamic Quotes window displays the exchanges on which a selected symbol trades.

Equity Quote Cube provides the names of all exchanges on which a selected symbol trades.*

To view the exchanges on which a selected symbol trades:

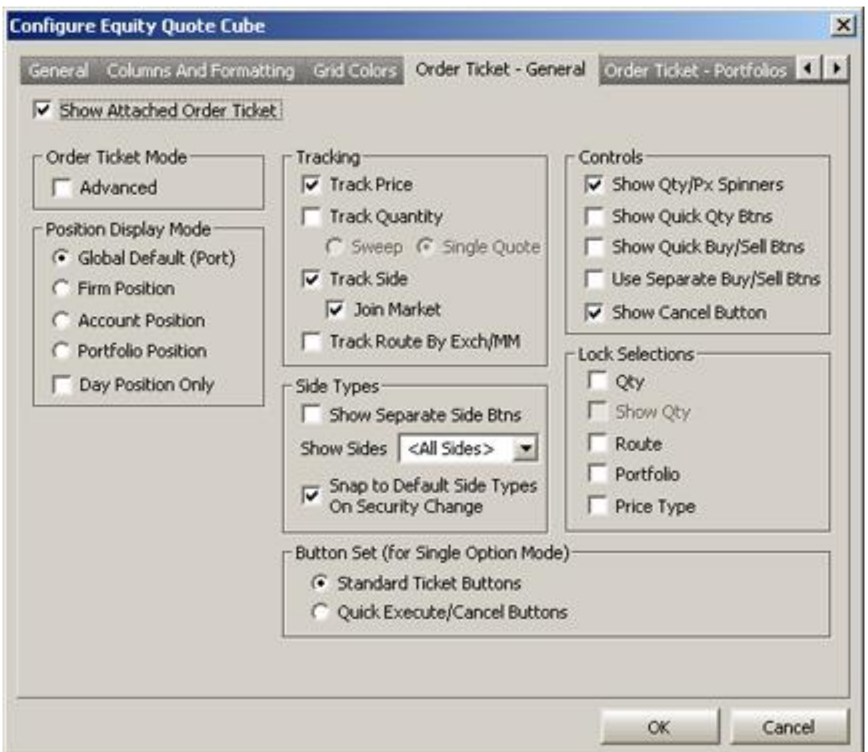
- Select the **Select Quote/Book Sources** button 

  Alternate Methods:

- From the **Config** menu, select **Filter Quotes...**
- Right-click in the EQC grid and select **Filter Quotes...**

*The displayed exchanges are those in which the user has market data permissions. These are not necessarily inclusive of all exchanges on which the symbol trades.

Order Ticket General



An Order Ticket can be attached to the Equity Quote Cube.

From the **Order Ticket** tab in the configuration window, check **Show Attached Order Ticket**.

Alternate Methods:

- From the Equity Quote Cube window, right-click and select **Show Order Ticket**.

- From the **Config** menu select **Show Order Ticket**.

- Select the Show/Hide Order Ticket icon .

Order Ticket in Advanced Mode

Additional order options such as start/stop times, % volatility, IOC routes, and Stop Limit and Stop Market orders are available in the ticket's advanced mode.

Detailed advanced mode information is available **here**.

Position Display Mode

The position field in the **Equity Quote Cube** order ticket can be configured to display one of five positions:

1. **Global Default (Acct)**

2. **Firm Position**

3. **Account Position**

4. **Portfolio Position**

5. **Day Position Only**

The Account Position reports position adjustments, while Portfolio and Day Position Only do not.

If the position is unknown or unobtainable, **"unknown"** will be displayed in the position fields.

The **Global Default (Port)** position references the **Default Position Mode** that was selected in **Global Configuration.**

Tracking

The Order Ticket can be configured to track (i.e., match) a value in the Equity Quote Cube and automatically place that value in the Order Ticket.

Tracking Options:

Track Price—The ticket will use the price of the currently selected quote.

Track Quantity—When a security is clicked in the Equity Quote Cube, the order quantity will be placed in the **QTY** field of the Order Ticket. Select one of two options for quantity tracking:

1. **Sweep—**The ticket will use the sum of the quantities for all quotes above and including the selected quote. This is useful when taking the market to "sweep" up the top of the book.

2. **Single Quote—**The ticket will use the quantity of the selected quote.

Track Side—If selected, when a quote is clicked in the **ASK** grid, the Order ticket will track its side to **BUY.** When clicked in the **BID** grid, it will track its side to **SSH**.

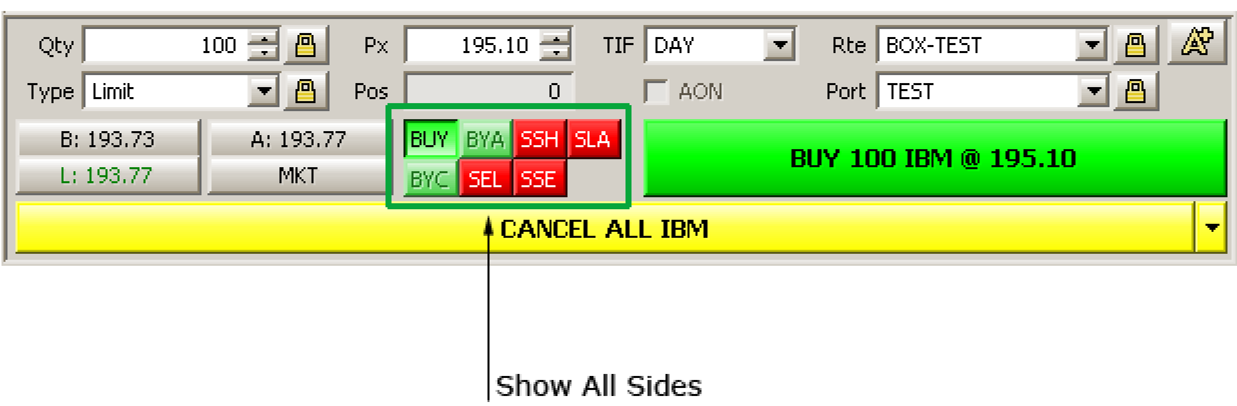
Join Market—Causes the ticket to select the **BUY** side for a Bid and the **SELL** side for an Ask.

Track Route by Exch/MM—If checked, the Order Ticket will select a route based on the Exchange or Market Maker of the selected quote and the Equity Quote Source mapping in **Global Configuration.**

All other instructions for configuring the Order Ticket can be found **here**.

Note: Order Tickets launched from the Equity Quote Cube (via the **send to-->Order Ticket** command) also obey the tracking configuration.

Side Types



Show Separate Side Btns—Check this box to display all the selected side types from the drop-down list (BYO, BYA, SLO, SLA, etc.) on the Order Ticket. If unchecked, only the **Buy** and **SEL** buttons (or **SSH** depending on your configuration) will display.

Show Sides—To display any or all of the available Side Types, choose the Side Type(s) to display from the drop-down list. Select **<All Sides>** box to show all Side Types on the Order Ticket.

The Order Ticket in Equity Quote Cube supports the following Side Types:

- BUY
- BYC (Buy to close)
- BYA (Auto buy)
- SEL (Sell long)
- SLA (Auto sell)

- SSH (Sell short)
- SSE (Sell Short Exempt)

Notes on Side Types

BYC—Generally used for options, but can be used for stocks on a per-route basis. Not allowed for futures.

BYA—The order will be a BUY if it results in a positive position. The order will be a BYC if it results in a zero or negative position.

> **Note:** BYA is enabled for equities only and can only be used if the selected route supports equity BYC.

SLA—Equities only, not allowed for futures The auto sell side type automatically chooses between **SEL** and **SSH** based on the current position.

SSH—Equities only, not allowed for futures.

SSE—A short sale in which the uptick rule doesn't apply to the trade, i.e., the trade can go through on a down tick as opposed to a standard short sale in which the order has to be done on an uptick.

Snap Side Types to Defaults On Security Change

When you change a Symbol in the Order Ticket, default sides types will be displayed in the Order Ticket if you check this box. Buy Side Types are **BUY** and **BYC.** Sell Side Types are **SEL, SLA, SSH, SSE**.

Controls

Show Qty/Px Spinners—Spinners are the up/down arrows adjacent to the **Qty** and **Px** fields and are used to adjust the quantity and price without the need to manually key in a value:

Price field with Spinners enabled

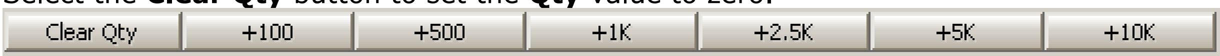
Show Quick Qty Btns—When selected, buttons reflecting values to be added to the **Qty** field are displayed in the Order Ticket. The values are:

- **+100**
- **+500**
- **+1K**
- **+2.5K**
- **+5K**

- **+10K**

Each button can be combined with other buttons for a desired total (i.e., +100 button + +500 button = Qty of 600).

Select the **Clear Qty** button to set the **Qty** value to zero.

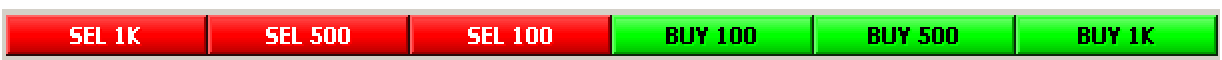


Quick Qty Btns

Show Quick Buy/Sell Btns—Check this box to display six quick buy/sell buttons in these amounts:

- **SEL 1K**
- **SEL 500**
- **SEL 100**
- **BUY 100**
- **BUY 500**
- **BUY 1K**

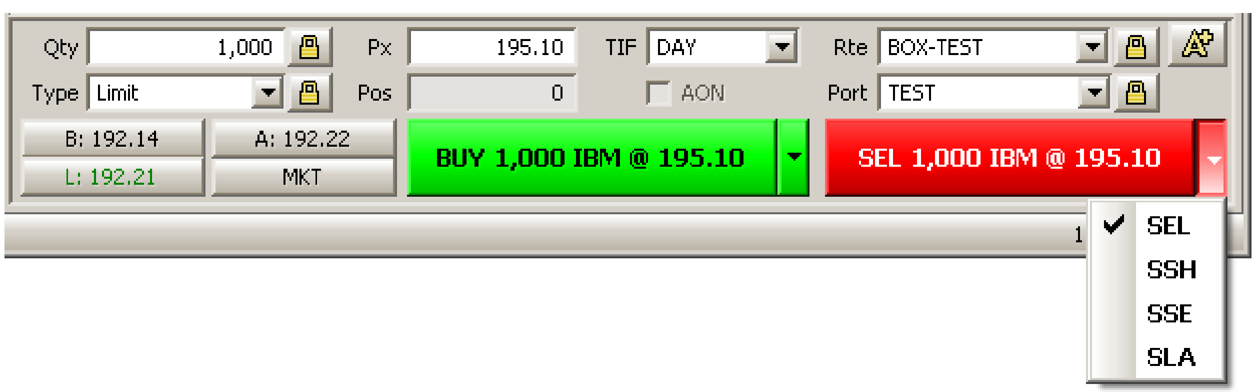
The selected side types are reflected in the quick buy/sell buttons (for example, if the side type is **SSH**, the quick sell buttons will be **SSH 1K, SSH 500,** and **SSH 100**)



Quick Buy/Sell Btns

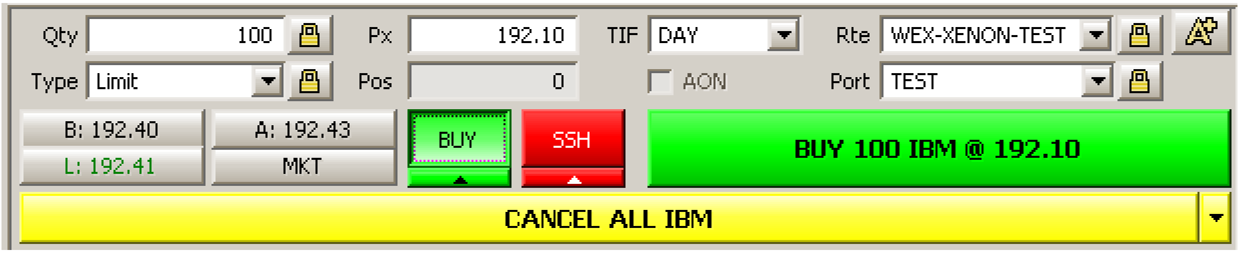
Use Separate Buy/Sell Btns

When checked, the default ticket layout of one **Buy** button, one **Sell** button, and a third button that reflects buy/sell and price will be replaced by **two buttons** each reflecting the price. If applicable (based on routes and permissions), each button allows for the selection of a different side type.



Separate buy/sell buttons showing quantity and price. Side types can be selected from each button.

Show Cancel Button—The Cancel button allows you to cancel all live orders for the security selected in the Equity Quote Cube. Check the **Show Cancel Button** to display it.



Cancel all live orders for a security with the Cancel button.

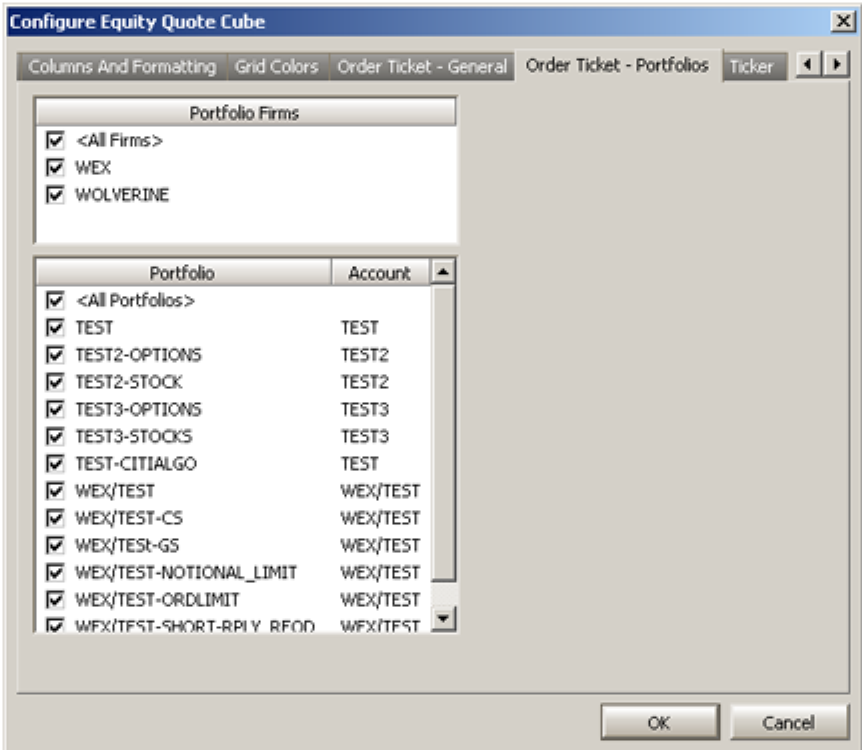
Lock Selections

Lock override default settings in the Global Configuration.

Global settings such as routes, portfolios, price types, etc. can be associated with certain symbols or security types. When a symbol is entered, the global settings are called in automatically. If the defaults are to be overridden (for example QTY is changed to 500 from the default of 100), and **Lock Selection** is enabled, each symbol that's entered in the Order Ticket will have a QTY value of 500.

As an alternative to the configuration window, the lock icon  on the Order Ticket can be employed to lock selected fields.

Order Ticket - Portfolios



The **Portfolio Firms** and their respective portfolios that are available for selection in the **Port** field of the Equity Quote Cube Order Ticket are listed here.

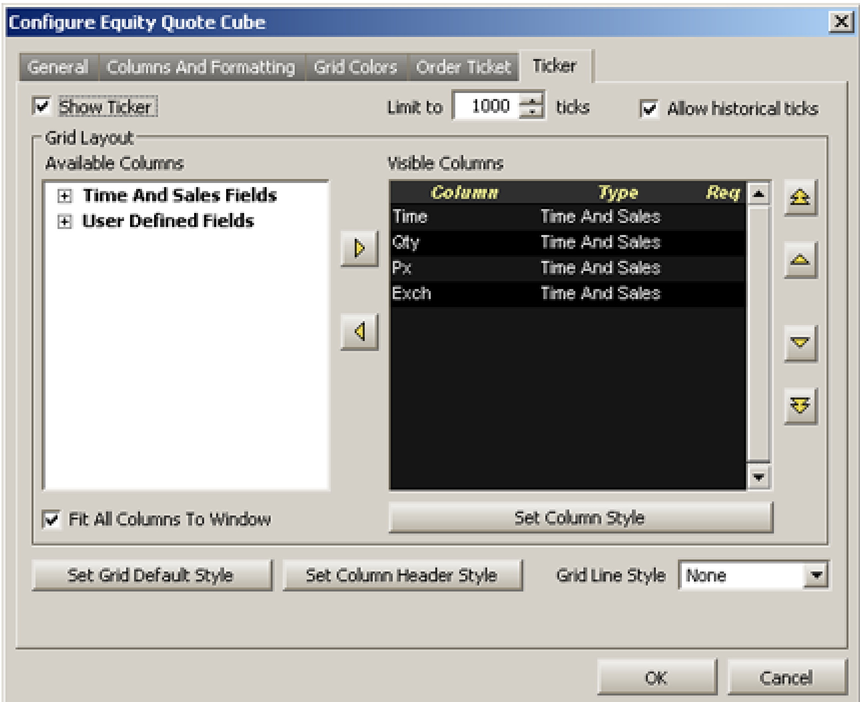
In the top portion of this window check the Portfolio Firms that are to have their portfolios listed. Check **<All Firms>** to select all Portfolio Firms.

The portfolios for each Portfolio Firm will be displayed in the bottom portion of the window. Check the portfolios that will be available for selection or **<All Portfolios>** to select them all.

Alternate Method for Selecting Portfolio Firms

In the drop-down menu in the **Port** field, you can also select the Portfolio Firms:

Ticker



The ticker displays historical and real-time prints for a chosen security. Displaying the ticker is optional. The columns displayed in the ticker along with the styles (font/color) can be customized.

Show/Hide Ticker

Select the **Show/Hide Ticker** icon  to view the ticker.

Alternate Methods:

- With the right mouse button, click on the Equity Quote Cube and choose **Show Ticker**.
- From the **Config** menu, select **Show Ticker**.
- From the configuration screen check under "Ticker" check the **Show Ticker** box.

The "Show Ticker" is a toggle command. Any of the methods above can be selected to hide the ticker.

Limit to _ _ _ ticks

The value in the **Limit to _ _ _ ticks** field refers to the number of visible ticks in the ticker.

Allow Historical Ticks

When checked, **Allow Historical Ticks** gets previous ticks from the day. If unchecked, the ticker will show only those ticks from the time the ticker was enabled.

Equity Time and Sales

With Equity Time and Sales you can view tick-by-tick details for securities over a defined time period. One or more symbols, along with a time span for reporting, are entered. Equity Time and Sales will retrieve all sales for the symbols that fall within the defined time period. Additionally, any number of filters can be applied to the reporting of sales data. If filters are employed, Equity Time and Sales table will report sales data when a filtered condition is met. Optionally, a notification can be sent when a symbol matches the filtered parameters.

Launch Equity Time and Sales

From the WTP toolbar select **Analyze -->Equity Time and Sales**.

Alternate Method:

From the WTP menu select **Equity Time and Sales**.

Basic Operation (without filters)

One or more symbols can have their sales data reported in Equity Time and Sales.

Entering symbols:

1. Type the symbol name in the Symbols field. Separate symbol names with the semi-colon or comma.

   Alternate Method:

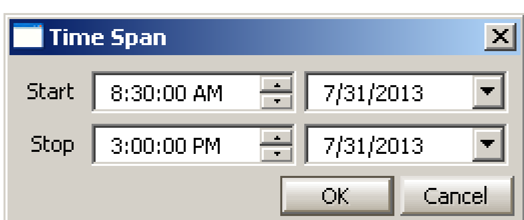
   Select one or more symbols from the drop-down list. Check each box next to the symbol name that is to be reported.

2. Press the start button  to begin the retrieval of sales data. Press the stop button  to stop receiving sales data.

Set Reporting Times

Equity Time and Sales can be configured to report real-time ticks in one of three defined time periods:

- **Today** (all ticks from midnight of the current day)
- **Yesterday** (all ticks up until midnight of the previous day)
- **Custom** (tick data retrieved between the two defined time/date settings). When selected, the **Time Span** window launches:



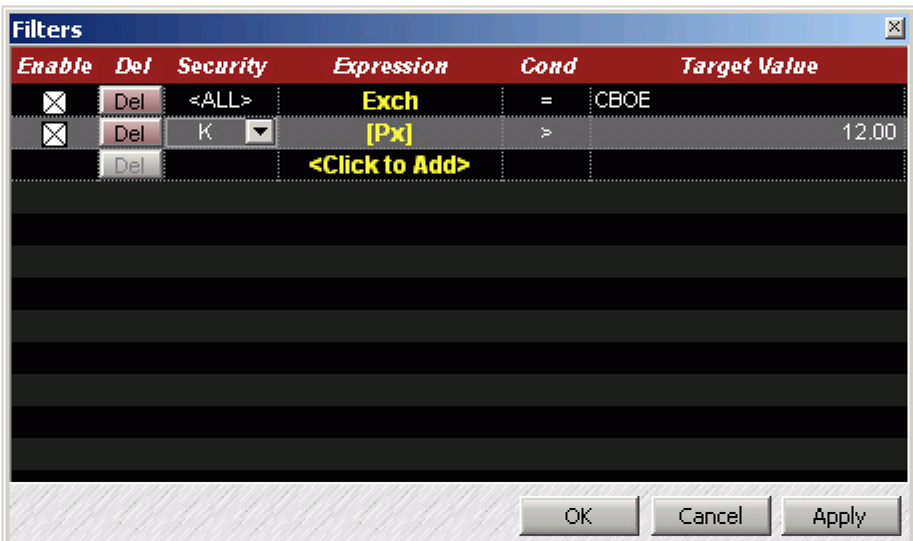
  Enter the start/stop times (or use the up/down spinner arrows), and select a date from the drop-down list.

Filters

With the filter option enabled, Equity Time and Sales displays data that matches defined conditions. For example, if it is preferable to view only data from a specific exchange, a filter can be defined accordingly. When a filter is in force, the filter will be displayed in the Equity Time and Sales window.

Setting Filters

Press the **Set Filter** button . The Filters screen opens:



Similar to **Set Row Color Conditions** the securities are defined, with its expression and condition. In the example above, all securities *exclusively* from the CBOE are to be displayed. Also the security **K** is to be displayed when its target value is greater than $12.00.

Check the **Enable** box on each row to have the filter act on that row.

Press **OK** or **Apply** to have the filter(s) enabled. To exit without saving, press **Cancel**.

Delete a Filter

Press the **DEL** button on each row to delete that row's filter.

Configuration

The columns available for display in Equity Time and Sales are defined on the configuration screens. Also, optional symbol tracking and notifications can be selected.

Access the Configuration Screens

Click the right mouse button on the Equity Time and Sales window and select **Configuration**

Alternate Method:

From the **Config** menu select **Configuration**

Time and Sales Grid

See **Columns and Formatting** for instructions on defining columns, their fonts, sizes, and row color conditions.

Miscellaneous

The Miscellaneous tab has two options:

- **Track Symbol** (see **Toggle Symbol Tracking** for description of the feature)
- **Send notification when ticks match filter** (sends an audible notification based on the value set in the **Global Configuration** window)

Check the box on the desired option and press **OK**.

Quick Trades

A quick trade can be issued directly from Equity Time and Sales. The quick trade feature is a **Last-type, BUY order for 100 shares** of a selected security.

Issue a Quick Trade

There are two methods for issuing a quick trade:

- Click on a symbol name in Equity Time and Sales and press **CTRL +b**
- Click on a symbol name in Equity Time and Sales. With the right mouse button select **Quick Trades** and click the mouse over the quick trade info.

A Send-Order confirmation window will display. Press **OK** to initiate a quick trade.

New Orders

A new order can be issued from Equity Time and Sales. When selected, the **Order Ticket** displays.

Issue a New Order

There are 3 ways to issue a new order:

- Press **Ctrl +n**
- Click the right mouse button in Equity Time and Sales and select **New Order**
- From the WTP toolbar select **Time and Sales-->Action-->New Order**

Cancel an Order

Orders that have not filled can be selectively canceled (for a specific symbol) or globally canceled (all open orders).

Selectively Cancel an Order

1. Click the left or right mouse button in Equity Time and Sales on the row containing the symbol that is to be canceled.

2. Press **Ctrl +z**

   Alternate Methods:

   Click the right mouse button and select **Cancel All For Symbol _ _ _**

   From the WTP toolbar, select **Time and Sales-->Action-->Cancel All For Symbol _ _ _**

Cancel All Orders

Click on Equity Time and Sales with the right mouse button. Select **Cancel All Orders**

Alternate Method:

From the WTP toolbar, select **Time and Sales-->Action-->Cancel All Orders**

Toggle Symbol Tracking

Equity Time and Sales can track a symbol that's been called in another WTP applet.

Enable Toggle Symbol Tracking

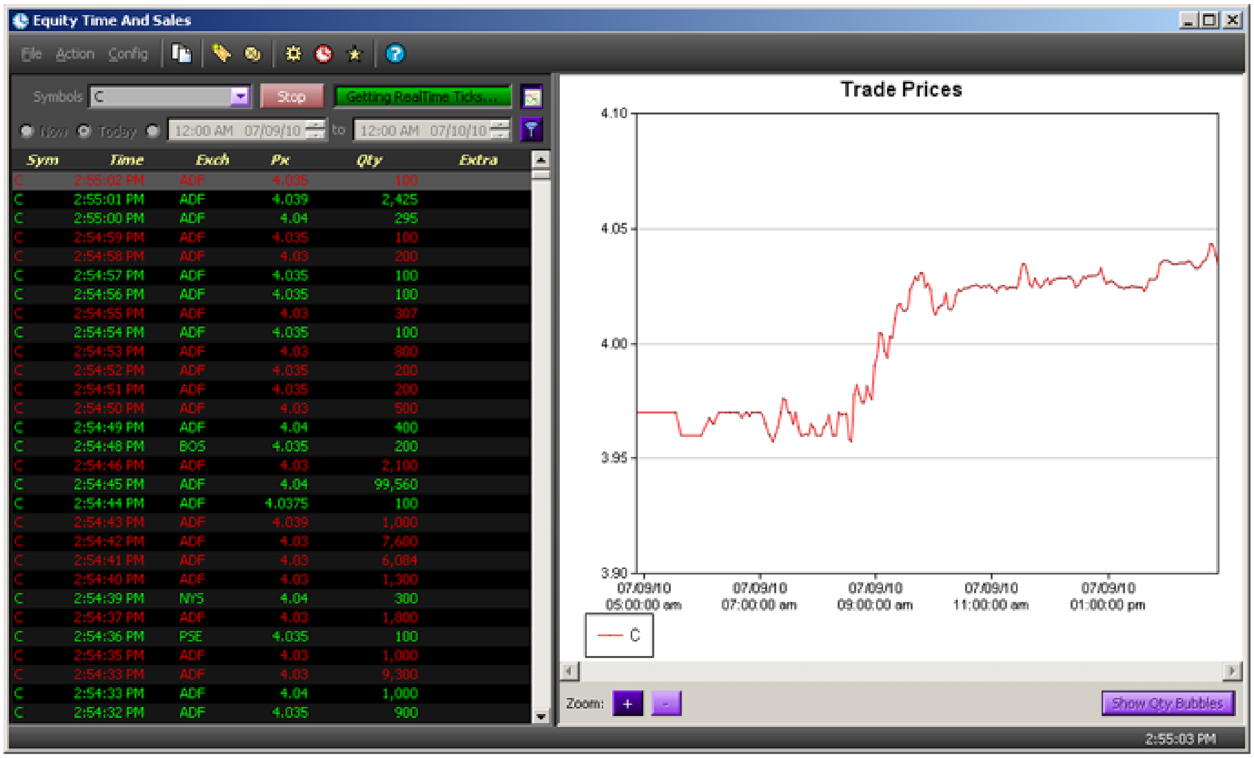
With right mouse button click on Equity Time and Sales. Click on **Toggle Symbol Tracking.**

Alternate Method:

Click on Time and Sales from the WTP toolbar and select **Config-->Toggle Symbol Tracking.**

To learn more about the Toggle Symbol Tracking feature click **here**.

Chart



A chart quoting the price of a selected security can be displayed. Press the chart icon (next to the **Getting RealTime Ticks** field) to view the chart.

To zoom into the chart press the **+** key. Move the mouse into the chart area. Each click of the mouse will zoom in closer to a specific point in time. Press the — — key to zoom outward (per each click) from the current display.

View Options Products

View tick-by-tick details for all Option products by clicking the Option Mode icon . This will change Equity Time and Sales to **Option Time and Sales**.

Templates

The settings on Equity Time and Sales can be saved as a template. For example, if Equity Time and Sales has been configured with multiple symbols and filters, these settings could be saved. Next time the applet is called, the saved template can be accessed with all the configuration settings in place.

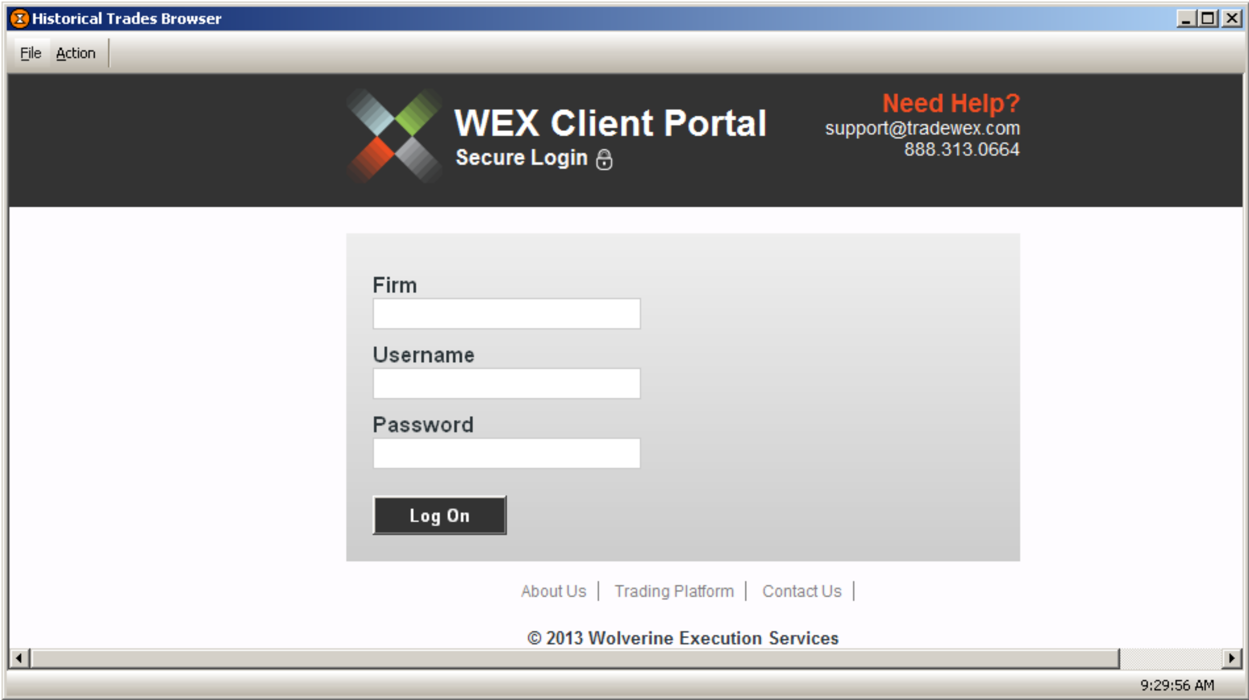
Learn more about saving and calling templates **here**.

Export Grid Data

The data in Equity Time and Sales can be exported to a file, the clipboard, or to Microsoft Excel.

Learn how to export grid data **here**

Historical Trades Browser



Log in screen to the WEX Client Portal

The Historical Trades Browser allows access to the WEX Client Portal wherein users with appropriate permission can:

- Access WTP-related programs (WTP, WTP Help, Real-time-data, VPN/Cisco connectivity)
- Read WEX Specifications (WOTI & FIX)
- Access Sentry, the Administration Tool for WTP
- Retrieve Orders, Executions, and Slippage Reports
- Add New Accounts

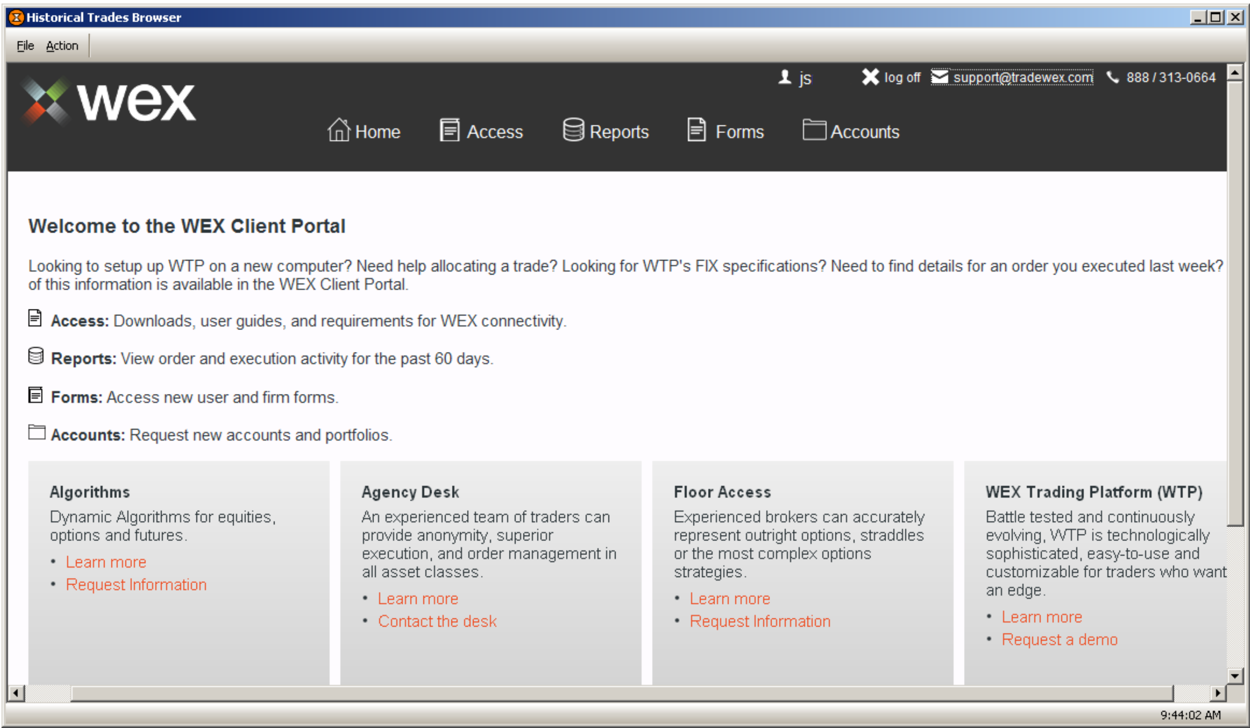
Launch the Historical Trades Browser

From the WTP menu, select **Historical Trades Browser**

Alternate Method:

From the WTP toolbar, select **Explore--> Historical Trades Browser**

The Welcome Page



Welcome page for the WEX Client Portal

Once logged in to the WEX Client Portal, the Welcome page appears. Navigate throughout the portal using the top-level menus on the page:

- Access
- Reports
- Forms
- Accounts

In addition, links for learning about Algorithms, the WEX Agency Desk, Floor Access and the WEX Trading Platform (WTP) are available on the welcome page.

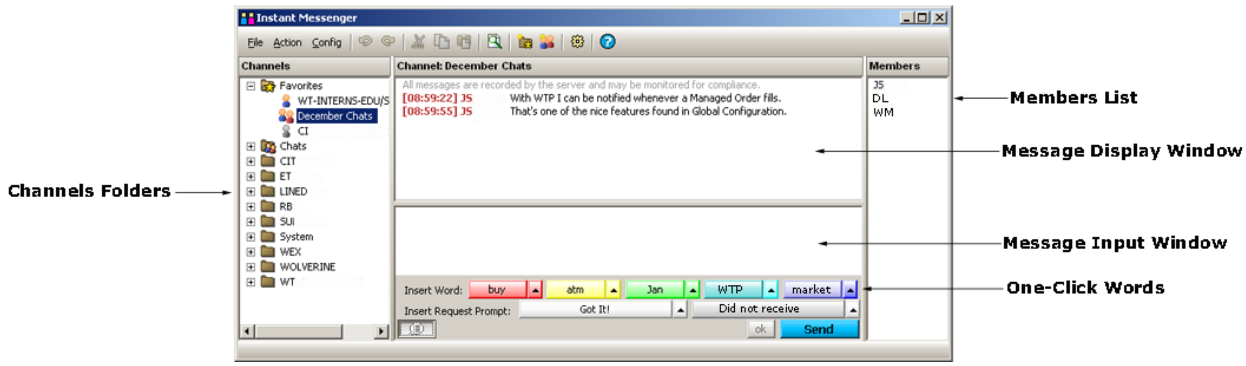
Print

Any screen in the Historical Trades Browser can be printed.

Learn the basics of printing **here**.

Instant Messenger

Instant Messenger allows a user to communicate with other WTP users either privately or with a group in a chat (similar to an internet chat room).



Launch Instant Messenger
Channels
Chats and the Chat Manager
Compose and Send an Instant Message
One-Click Words
Configure Instant Messenger
Search Feature
Templates
Status Bar

Launch Instant Messenger

From the WTP toolbar select **Explore-->Instant Messenger**.

Alternate Methods:

- From the WTP menu, select Instant Messenger.
- Double-click on New Instant Messages on the WTP toolbar.

  Note: This method is useful as Instant Messenger will automatically go to the most recent channel that sent a message (see below for Channel descriptions). Also, if there are a series of unread messages, each double-click in the WTP toolbar jumps to the next unread message.

Channels

A channel can refer to a user or a chat and are divided between:

- Favorites folders
- Chat folders

- Firm Folders

Favorites folders are user created. Chat and Firm folders cannot be created or deleted.

Favorites Folders

With Favorites Folders you can:

- Add user channels and chat channels to the same Favorites Folder
- Create/Rename/Delete a Favorites Folder
- Delete nodes from Favorites Folder
- Nest other Favorites Folders

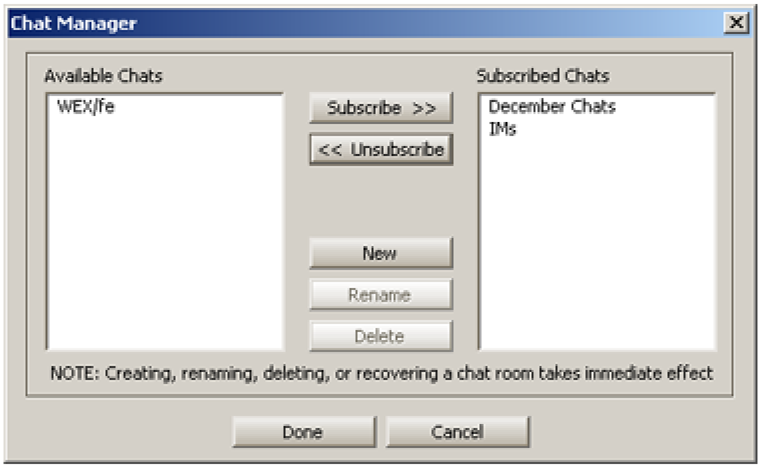
Create a Favorites Folder

Click on the Favorites icon in the Instant Messenger window . Enter the name of the folder in the text field.

Alternate Methods:

- From the **Action** menu select **New Favorites Folder**
- Right-click in the **Channels** section of the Instant Messenger window and select **New Favorites Folder**

Chats and the Chat Manager



A chat is a collection of users that have subscribed to a particular chat group. Messages are created only in a user's subscribed chats.

The **chat manager** is used to create/rename/delete chats as well as subscribe/unsubscribe to existing chats.

Launch Chat Manager

Click on the Launch Chat Manager icon 

Alternate Methods:

- From the **Action** menu select **Add/Remove Chats**.
- Right-click in the **Channels** section of the Instant Messenger window and select **Add/Remove Chats**.
- Open the Chat folder and click **Add/Remove...**

Subscribe or Unsubscribe to Available Chats

From the Chat Manager window under **Available Chats** select the chat(s) to subscribe and click **Subscribe >>**

To unsubscribe from a chat that is listed in **Subscribed Chats** select the chat(s) to unsubscribe and click **<< Unsubscribe**

Once a chat has been subscribed to, it will be listed in the **Chats** folder.

Note: Subscribe or Unsubscribe chats and Join or Leave chats accomplish the same thing.

Create/Rename/Delete a Chat

To create a chat, press the **New** button in the Chat Manager. The **Chat Room Details** window will open:

From the drop-down list select the Firm to which the chat will be created.

Enter a name and optional description and click **Create**.

Note: The selection **Private Chat Room** is not enabled at this time.

Once a chat has been created, it will be listed in the Chat Manager window. This newly created chat can now be subscribed to.

Copy a Subscribed Chat to a Favorites Folder

To copy a chat to your Favorites folder, double-click on its name.

Alternate Method:

Click on the chat and move it into the Favorites folder.

Remove a Subscribed Chat From a Favorites Folder

Select the chat and press **<delete>.**

Alternate Method:

Select the chat. Right-click and select **Remove from Favorites.**

Join or Leave Chats

You may choose to leave a chat without deleting it. A chat that has been left can be rejoined.

Leave a Chat

Select a chat to leave. Right-click and select Leave Chat. The chat's icon will be greyed out.

Join a Chat

Select a grayed out chat. Right-click and select Join Chat.

Compose and Send an Instant Message

1. If a channel has not been chosen, select a channel by clicking on it. Members of the group will be listed in the **Members** section of the Instant Messenger window.

2. Type your message in the **Message Input Window**.

   If desired, use the **undo/redo** buttons to delete/display one character at a time .

3. Press **<enter>** to send your message which will be displayed in the **Message Display Window**.

   Alternate Method:

   Press the Send button.

Note: To add space between lines when writing an instant message, hold down the **shift** key while pressing **<enter>**.

One-Click Words

The use of one-click words saves the routine typing of regularly used words, numerals, or phrases. The available words/phrases are user definable. When selecting a one-click word/phrase, the word/phrase is placed in the Message Input Window.

There are five word lists and two **Request Prompt** lists (used primarily for phrases, though a single word can be placed in this list).

The most recently selected word will be seen on the button.

Create One-Click Words

1. Press the **up arrow** next to any displayed word/phrase.
2. Select **<Edit...>**. An edit window will display.
3. Enter a word/phrase.
4. Press the **Add** button.

   Alternate Method:

   Press **<enter>**.
5. Press the OK button.

   Note: Creating words/phrases does not take effect until the OK button is pressed.

Remove One-Click Words

1. Follow steps 1 and 2 above.
2. Click on the word/phrase to be deleted.
3. Press the **Remove** button.

   Alternate Method:

   Press **<delete>** on your keyboard.
4. Press the **OK** button.

   Note: Removing words/phrases does not take effect until the OK button is pressed.

Change the Word List Order

The list of words/phrases in a word list can be adjusted.

To move a word/phrase up or down in the list in which it appears, select it, then press one of four available arrows (top of the list, up one line at a time, bottom of the list, down one line at a time).

Display/Hide One-Click Words

Press the **Hide Insert Options button** to display/hide one-click words .

Configure Instant Messenger

Press the configure icon to open the Configure Instant Messenger window .

Alternate Method:

From the **Config** menu select **Configuration**.

Check the configuration options below to customize the Instant Messenger session:

Flash Window for New Private Messages—The Instant Messenger window will flash when receiving a new private message from another user.

Flash Window for New Chat Messages—The window flashes when a new chat message is received.

Confirm When Sending to Multiple Recipients—A confirmation message is displayed when a message is about to be sent to more than one recipient.

Display Chat Room Membership Notifications—A message is displayed whenever a new member enters a chat or when a member exits a chat.

Display Message History—Display a message history between all members of a chosen chat. The standard time period of retaining an active history is 7 days.

Display Timestamps—The timestamp of each sent message is displayed in military time [xx:xx:xx].

Display Offline Channels—Online as well as offline channels will be displayed. If unchecked, only online chats are displayed.

Global Notifications

Press this button to open the **Global Configuration** window on the Notifications tab. In this window a sound can be selected (**IM Received (User)**). When a private Instant Message is received, the defined sound will play. Other notifications can be set for:

- IM Received (Chat)
- IM Received (News)

- IM Received (Idle User)

  Note for Idle Waiting User Notification: Once the event has been created, a notification will be sent to the recipient of an Instant Message if the recipient has not responded to the message after a defined time period. The notification will repeat until the recipient responds.

Other Global Settings for Instant Messenger

Under the **General** tab of Global Configuration are three auto-open options for Instant Messenger. Check any or all of the following conditions under which Instant Messenger will automatically open:

- Personal Messages
- Chat Messages
- News Messages

Text Size

Select from the drop-down list the size of the text that will be displayed in the Message Display window. The options are small, medium, or large.

Search Feature

Contents in the Message Display Window can be searched.

Press the **Find Text** icon to initiate a search . The **Find** window will display.

Alternate Methods:

- From the **Action** menu select **Find**
- Type **Ctrl+f**

Options allow for a more granular search.

- **Match Case—**Acknowledges upper and/or lowercase characters in a search. By default, the search function disregards upper and lowercase characters.
- **Search Up—**Reverses the normal down-the-page search.
- **Match Whole Word—**A whole word is defined as text that is preceded or followed by a word space.
- **Search Selection Only—**Instant Messenger will search through highlighted text only.

The **Find** window will display a message if either the search cannot find what was input, or if there are no more instances of what was previously found.

Templates

The overall look, style, and display of Instant Messenger can be saved as a template. The template is saved with an .imt extension. Additionally, a desired template can be saved as a default, and Instant Messenger can revert to the system default template if desired.

Note: Only Favorite Folders are saved in a template. As mentioned above, Chat and Firm folders are neither created or deleted and are not saved in a template.

Learn more about templates **here**.

Status Bar

The status bar is a row of informative text at the bottom of the Instant Messenger window. By default the status bar is displayed.

From the **Config** menu, click on **Status Bar** to hide it.

Most Active Symbols Viewer

View the most active symbols by cumulative value, cumulative volume, percentage change of advancers and decliners.

Launch Most Active Symbols Viewer

From the WTP toolbar select **Analyze --> Most Active Symbols Viewer**.

Alternate Method:

From the WTP menu select **Most Active Symbols Viewer**.

Select the Exchange or Security Type

The System Default Template for the MASV uses the **US** as its Exchange/Security Type for all four tabs.

Select another Exchange/Security type from the drop-down list for each tab as desired.

Note: The selected Exchange/Security Type applies only to the *currently* selected tab. For example, a selection of Exchange/Security Type for the Most Active (Volume) would not affect the remaining three tabs.

Tip: Selections can be saved as a **template**, eliminating the need to re-select the Exchange/Security Types at each session.

Put/Call Options Reporting

If the selected Exchange/Security Type is Options based (for example, US - Put Options or NDQ Call Options) additional options-related columns can be added to each tab in the MASV. These columns are:

- Underlier
- Root
- Exp. Date
- Option Side
- Strike

Add Options Columns

Select the Options Columns icon .

Alternate Method:

From the **Config** menu select **Show Option Columns**.

Add Other Columns

Quote columns and user defined columns can be added to the MASV grid with the Field Chooser.

Learn about the Field Chooser **here**.

Column Sorting

Data displayed in the MASV is already sorted based on the appropriate column for that view (i.e., Volume for the "Most Active (Volume)" tab).

Columns cannot be manually sorted in the MASV.

Working With Tabs

New tabs in the MASV can be added, renamed, closed, or opened in a new window.

Add New Tab

Any of the four tabs present in the system default template of the MASV can be duplicated.

Duplicating a tab type is useful when the tab is to be viewed with two or more Exchange/Security types.

For example: For the Most Active (Volume), it is desired to view the NYMEX and CME Globex. Adding an additional "Most Active (Volume)" tab allows for this.

Right-click anywhere in the tab area and select **Add New Tab --> *tab name***.

Alternate Method:

From the **Action** menu select ***Add New Tab --> tab name***.

Rename Tab

Right-click on a tab to be renamed and select **Rename Tab**. Enter the tab name in the **Tab Name** window.

Note: Renaming a tab does not change the content of the tab.

Close Tab

Right-click on a tab that is to be closed and select **Close Tab**.

Close All But This

Right-click on a tab and select, **Close All But This**. All tabs will close except for the one that is selected.

Open in a New Window

Right-click on a tab and select **Open in a New Window**. A new MASV window will open with only the selected tab (and the tab will be removed from the previous window).

Alternate Method:

Click on a tab and drag it to a location on the desktop. The new window will appear where the mouse is released.

Create New Orders From the MASV Grid

Double-click on any symbol in any grid in the MASV to launch the **Order Ticket**. The selected symbol will automatically be placed in the **Sym** field.

Alternate Method:

Select a symbol and click on the **New Order** icon **.**

Templates

MASV configurations can be saved as templates.

Learn about templates **here**.

Export Grid Data

Data in the MASV can be exported to a file, clipboard, or Excel spreadsheet.

Learn about exporting grid data **here**.

Copy, Copy This Cell

The **Copy** command copies all selected rows. The **Copy This Cell** command copies a selected cell.

To Copy:

1. Select one or more rows.
2. From the **Action** column select **Copy.**

   Alternate Methods:

- Right-click on the highlighted rows and select **Copy.**
- Press **Ctrl +c** after highlighting the row(s)

Note: The copy command copies the selected data *and* their row numbers and column heads.

To Copy a Cell:

1. Click on the cell to be copied.
2. From the **Action** menu, select **Copy This Cell**.

   Alternate Methods:

1. Right-click on the cell to be copied, and select **Copy This Cell**.
2. Click on the cell to be copied and enter **Shift + Ctrl +c**.

Printing

The data in the MASV can be printed.

Learn about the printing feature **here**.

News Browser

The News Browser displays a list of historical and real-time news headlines. The headlines can be filtered based on symbols and keywords. Any listed headline can be opened (by double-clicking) to reveal its full story.

Launch News Browser

From the WTP toolbar select **Explore-->News Browser**.

Alternate Methods:

- From the WTP menu select **News Browser.**
- Double-click an entry in the **Headline** or **Headline Time** columns in the Quote Grid.

Read and Print a News Story

From the News Browser window, double click on a headline or right-click and select **Open Story**.

Alternate Method:

Select a headline. Click the **Open Story icon** **.**

Select a headline. From the **Action** menu select **Open Story**.

Note: ALERTS are headlines without full stories. They are issued for stories early before all details are known.

Print a News Story

Press the **Print** button found at the bottom of the news window.

Filter Selections in the News Browser

The headlines displayed in the News Browser can be filtered by symbol and time.

Do Not Filter by Symbols—All news headlines will be listed.

Filter by Symbols in Applets—The symbols requested throughout all WTP applets only will be listed.

Filter by Symbols—From a drop-down list, select only those symbols to display news items.

Alternate Method:

Type one or more symbols. Insert a comma between symbol names.

Open Symbol List—If **Filter by Symbols in List** is selected, a **Symbol List** can be opened. A Symbol List is a file with a **.sym**, **.bsk**, or **.txt** extension and contains a list of symbols separated by a comma or semi-colon.

Press the **Open Symbol List** icon  to access a symbol list.

Toggle Symbol Tracking—If activated, a symbol from another WTP applet will display in News Browser. See **Toggle Symbol Tracking** for more details on this feature.

Filter by Keywords—Enter one or more keywords, separated by a comma or semi-colon. Select one of the following search filters:

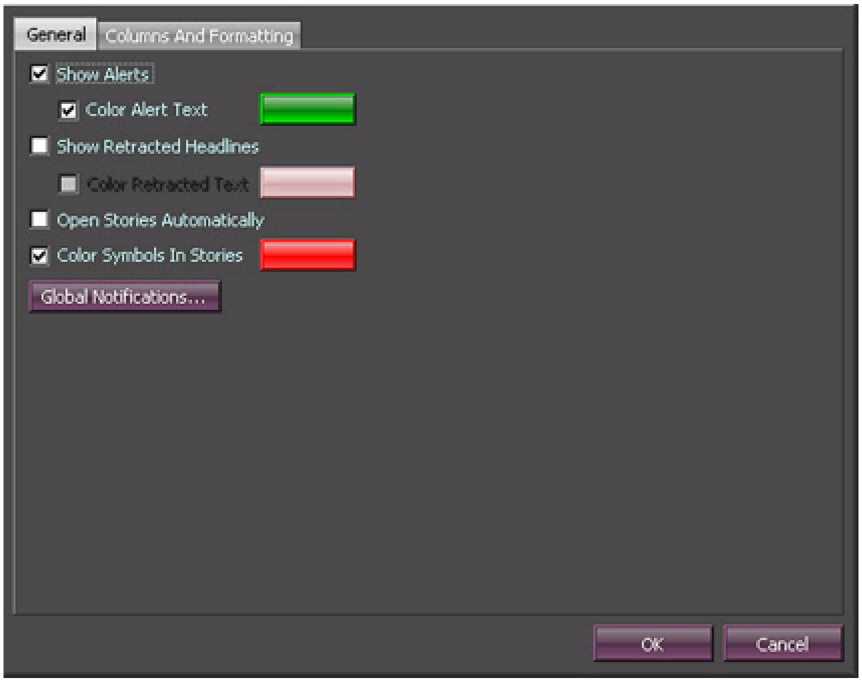
> **Filter**—Headlines featuring the keywords (i.e., "News" will find News and New) are displayed.
>
> **Highlight**—Headlines featuring the keywords are highlighted.

Time Parameters—Select the times in which you want headlines to be reported:

- Recent—Headlines from the last hour
- Today—Headlines from midnight of the current day
- Start/End—Manually entered parameters of exact time and date

Configure News Browser

Using the right mouse button and select **Configuration.**



Under the **General** tab you have these options:

- **Show Alerts**
    - **Color Alert Text**—This will make alert headlines stand out in the grid with the color of your choice. Click on the **Color Alert Text** box, then click on color swatch to select a different alert-text color.
- **Show Retracted Headlines**
    - **Color Retracted Text**—Normally, retracted stories from Reuters are not displayed. To view retracted stories, click on the Show Retracted Headlines box to use this feature. Select a color to highlight retracted stories. Click on the swatch if you wish to use a color other than the default.
- **Open Stories Automatically**—Each time a new headline is received, it will automatically open to reveal its full story if the check box is checked. **Note:** Using this feature will open individual windows as fast as headlines are received. This could become unwieldy if you are retrieving headlines about multiple securities.

- **Color Symbols In Stories—**Selecting this feature will highlight the symbol names in an opened news story. To define a highlight color other than the default, click on the color swatch and a color window will open.

Global Notifications

To define a sound that plays when a headline is received and define a log severity parameter, click on the **Global Notifications** button.

Defining the Sound

1. In the **event** column of the Global Configuration window, click on the row **News Received.**

2. From the drop-down list select a **.wav** sound file that will play when headlines are received. To hear a sample of the notification sound, click the right arrow button next to the drop-down list.

3. Make sure the **Mute All Sounds** box is unchecked.

Defining Log Severity

- Each received headline will be logged with a severity of either **None, Low, Medium,** or **High.** To change the log severity from the default **None**, click the word **<None>** and a drop-down list becomes available. Click on **Low, Medium** or **High.**

Click either **OK** to save your changes and exit, **Apply** to save your changes and keep the window open, or **Cancel** to exit the window without saving your changes.

Columns and Formatting

The look of the News Browser with regard to the column headings, row/column colors, fonts, and point sizes can be configured.

To add/remove columns:

1. From the News Browser window click the right mouse button and select **Configuration.**

2. Select the tab **Columns and Formatting.**

3. Under **Grid Layout/Available Columns** select any listed field. Press the **right arrow** button to add this new column to the News Browser. To remove an existing column head, highlight the heading and click on the **left arrow** button. Use the up/down arrows to move the column heads to a desired layout.

Setting the Grid Default Style

The Grid Default Style defines the font, format and colors to be displayed in the News Browser.

1. Select **Columns and Formatting** from the News Browser configuration window.

2. Click **Set Grid Default Style.**

3. Choose your font, style, size and effects from the **Font** tab. Select formatting parameters (horizontal/vertical alignment) from the **Format** tab. From this window select (or deselect) the **Wrap Text** and **Decimal Places** options.

4. Select a **Grid Line Style** from the drop-down list. Options include **solid, dashed,** and **dotted**.

5. Press **OK** to save your selections or **Cancel** to exit without saving.

Setting Grid Colors

1. Bring up the **Configuration** window from the News Browser.

2. Select **Columns and Formatting** from the configuration window.

3. Click **Set Grid Default Style.**

4. Select the **Colors** tab.

5. Click on any color swatch that you wish to change. A color definition window will appear. If an alternating row colors are preferred, check the **Alternating Background** box, and be sure the alternating color is distinctive from the background color.

6. To revert the color scheme to default values, press the **Reset to Defaults** button.

7. Press **OK** to save your selections or **Cancel** to exit without saving.

Setting the Column Header Style

1. Bring up the **Configuration** window from the News Browser.

2. Select **Columns and Formatting** from the configuration window.

3. Press the **Set Column Header Style** button.

4. From the **Font** tab, select font/size/style/size and effects (Strikeout and Underline). The **Format** tab sets Horizontal and Vertical alignment parameters, along with text wrapping option. The **Colors** option sets column head colors and text colors.

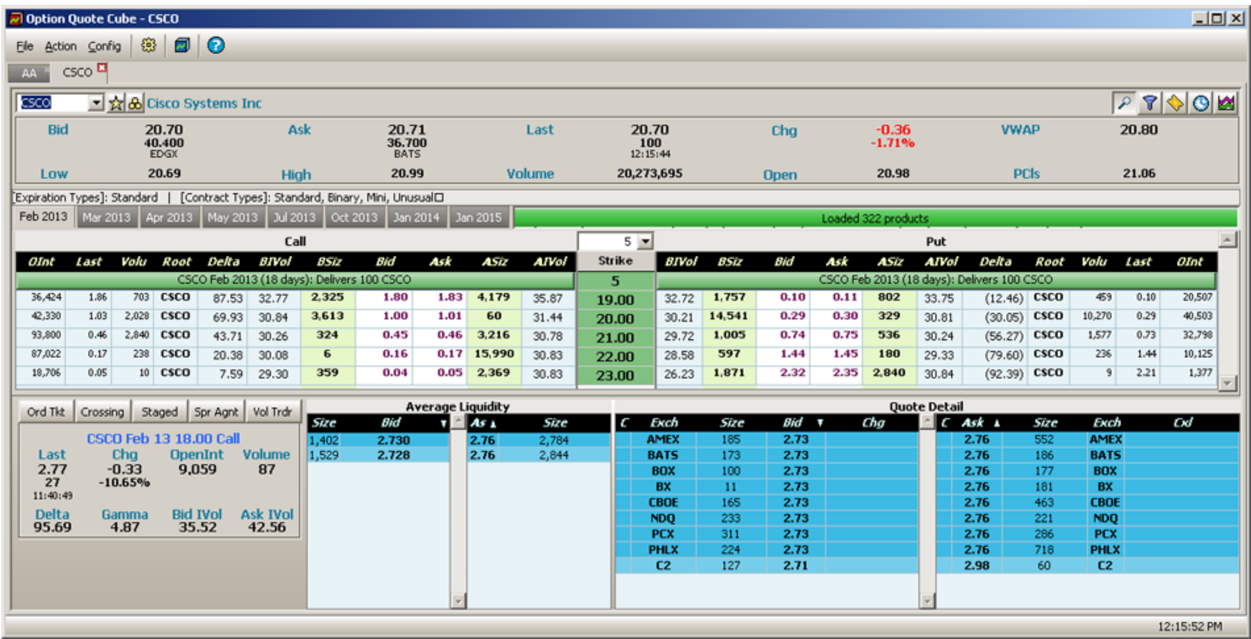
5. Press **OK** to save your selections or **Cancel** to exit without saving.

Start and Stop Reporting

Press **Go** to have the News Browser retrieve headlines and **Stop** to cease headline retrieval.

Option Quote Cube

The Option Quote Cube provides full book data for all options of a given underlier. Quote data can be provided for all six options exchanges: ISE (Y), CBOE (W), AMEX (A), PHLX (X), PCX (P), and BOX (B), and calls attention to exchanges that have more favorable quotes. Quotes can be viewed by exchange, selected exchanges or NBBO. The Option Quote Cube allows traders to access **Order Tickets** to quickly execute trades. Similar to the **Equity Quote Cube**, the Option Quote Cube is "trackable" to Order Tickets.



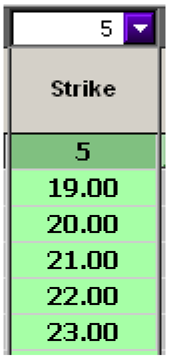
Launch Option Quote Cube

In the WTP Toolbar select **Analyze --> Option Quote Cube**.

Alternate Method:

From the WTP menu select **Option Quote Cube.**

Filter Visible Strikes By Expiration

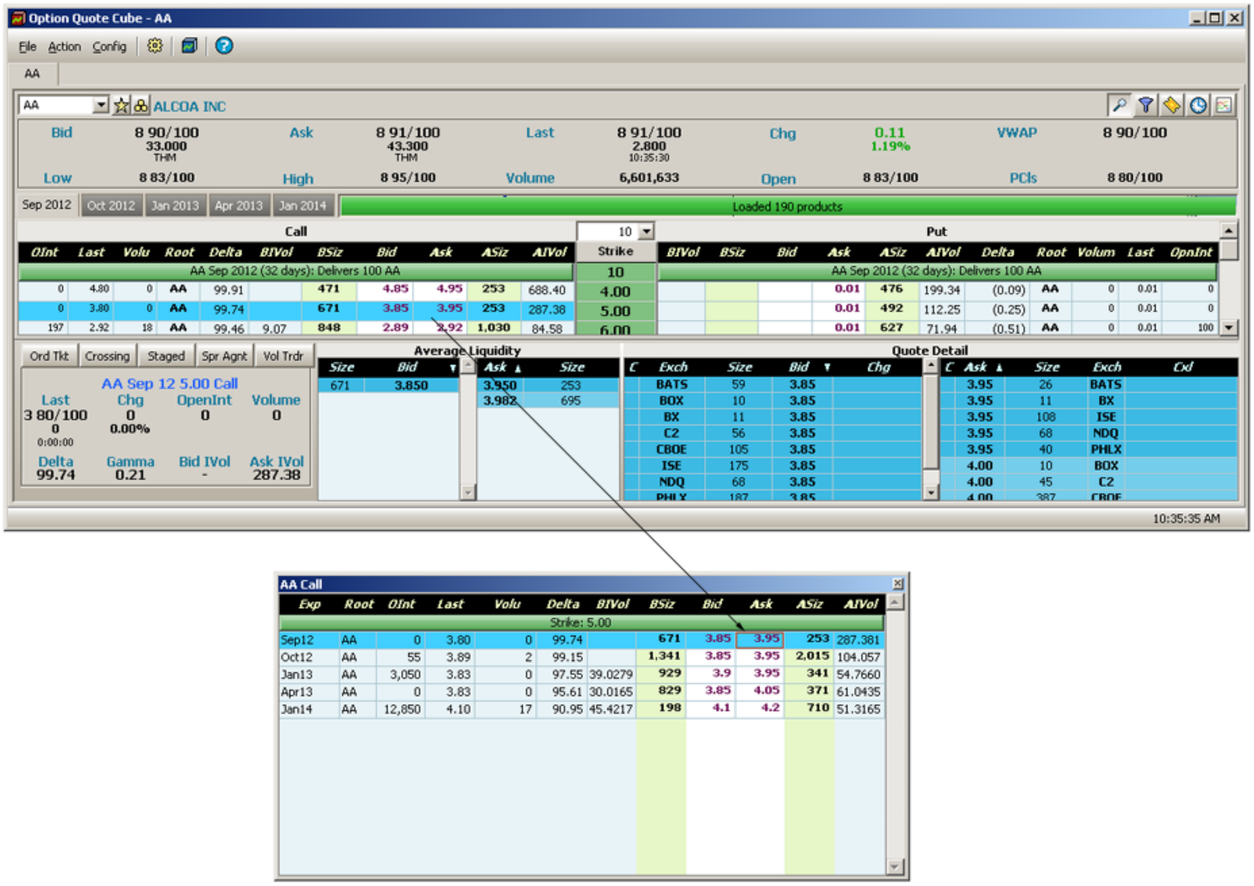


The Option Quote Cube can be setup to display the number of visible strikes by expiration. Values are in the following increments— 5,10,15,20,25 and All.

Select a value from the drop-down list (centered between Call and Put). The selected value reflects the number of strikes closest to being in the money. If the desired number of displayed strikes is not available in the drop-down list, it may be manually entered at the top of the drop-down list.

Selecting **All** will display all strikes.

Display all Expirations for a Single Product



When a single product is selected in the Option Montage Grid of the Option Quote Cube, issuing the **View Expirations for Strike** command (by right-clicking in the grid) will launch a new window in which data for all expiration dates is displayed. Multiple strike prices can be selected *before or after* issuing the command.

If a different security is selected in the Option Quote Cube, it will be reflected in the View Expirations for Strike window.

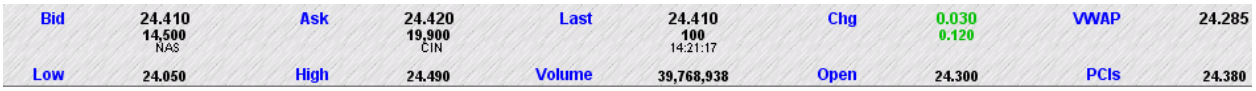
The newly-launched window responds as other WTP grids in which the **Order Ticket** can be launched when selecting a bid or ask value. Also, the grid data can be exported and the **send to** command can be issued.

Note: Only one option side can be shown at a time. If a call and a put are selected in the Option Quote Cube, the View Expirations for Strike window will display the most recently selected option side.

Set the Display of the Option Quote Cube

The Option Quote Cube display can be customized to view security details, ticker and order ticket.

Security Detail



Show or Hide Security Detail

There are three methods to show/hide the Security Detail portion of the Option Quote Cube:

- From the **Config menu**, select **Show Security Detail**
- Click the right mouse button in the Option Quote Cube and select **Show Security Detail**
- Press the **Show Security Detail** icon 

The feature toggles between **show** and **hide.**

Initiate an Order from the Security Detail Window

A **bid** or **ask** order can be initiated from the Security Detail Window.
Click on either **Bid** or **Ask** or on the quote adjacent to each. The **Order Ticket** will open.

The Order Ticket

There are a number of ways to display the Order Ticket with the Option Quote Cube:

- From the **Config** menu select **Show Order Ticket**
- Press the Show/Hide Order Ticket icon 
- Click anywhere in the Option Quote Cube with the right mouse button and select **Show Order Ticket**

Create a New Order with the Order Ticket

The Order Ticket can be accessed to create a new order. There are three methods:

- From the **Action menu** select **Order Ticket**.
- Type **Ctrl + n**.
- Double click a quote in either the **montage** or **detail** grids.

Display or Hide the Ticker

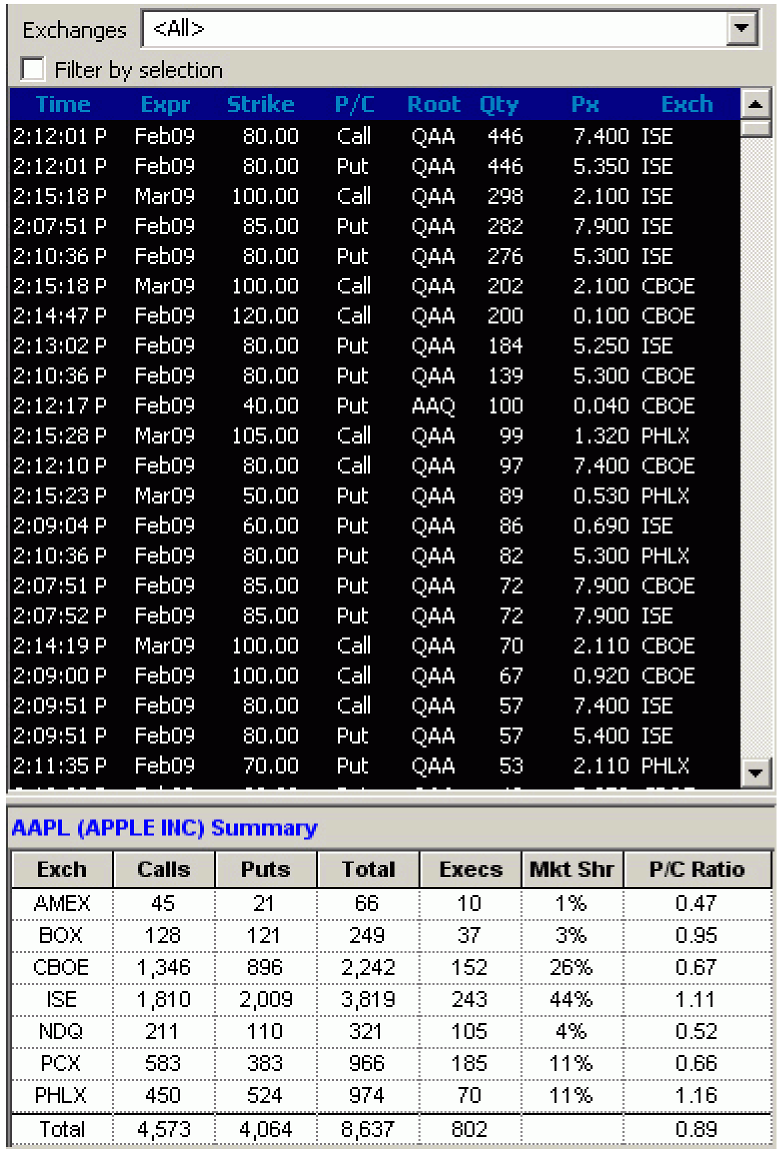
The ticker displays relevant option data, time and sales fields, expiry dates, a summary, and more.

There are 4 ways to display or hide the **Ticker:**

- Press the Ticker icon
- From the **Config menu** select **Show Ticker**
- Click the right mouse button anywhere on the Option Quote Cube and select **Show Ticker**
- From the Configuration window, select the **Ticker** tab. Check the **Show Ticker** box. Click **OK**. Uncheck the box to hide the ticker.

Configure the Ticker
Choose one of the following methods to configure the ticker.

- Press the **Config** icon .
- Select **Config -->Configuration**
- With the right mouse button click on the Option Quote Cube and select **Configuration.**


Exchanges <All>
Filter by selection

Time	Expr	Strike	P/C	Root	Qty	Px	Exch
2:12:01 P	Feb09	80.00	Call	QAA	446	7.400	ISE
2:12:01 P	Feb09	80.00	Put	QAA	446	5.350	ISE
2:15:18 P	Mar09	100.00	Call	QAA	298	2.100	ISE
2:07:51 P	Feb09	85.00	Put	QAA	282	7.900	ISE
2:10:36 P	Feb09	80.00	Put	QAA	276	5.300	ISE
2:15:18 P	Mar09	100.00	Call	QAA	202	2.100	CBOE
2:14:47 P	Feb09	120.00	Call	QAA	200	0.100	CBOE
2:13:02 P	Feb09	80.00	Put	QAA	184	5.250	ISE
2:10:36 P	Feb09	80.00	Put	QAA	139	5.300	CBOE
2:12:17 P	Feb09	40.00	Put	AAQ	100	0.040	CBOE
2:15:28 P	Mar09	105.00	Call	QAA	99	1.320	PHLX
2:12:10 P	Feb09	80.00	Call	QAA	97	7.400	CBOE
2:15:23 P	Mar09	50.00	Put	QAA	89	0.530	PHLX
2:09:04 P	Feb09	60.00	Put	QAA	86	0.690	ISE
2:10:36 P	Feb09	80.00	Put	QAA	82	5.300	PHLX
2:07:51 P	Feb09	85.00	Put	QAA	72	7.900	CBOE
2:07:52 P	Feb09	85.00	Put	QAA	72	7.900	ISE
2:14:19 P	Mar09	100.00	Call	QAA	70	2.110	CBOE
2:09:00 P	Feb09	100.00	Call	QAA	67	0.920	CBOE
2:09:51 P	Feb09	80.00	Call	QAA	57	7.400	ISE
2:09:51 P	Feb09	80.00	Put	QAA	57	5.400	ISE
2:11:35 P	Feb09	70.00	Put	QAA	53	2.110	PHLX

AAPL (APPLE INC) Summary

Exch	Calls	Puts	Total	Execs	Mkt Shr	P/C Ratio
AMEX	45	21	66	10	1%	0.47
BOX	128	121	249	37	3%	0.95
CBOE	1,346	896	2,242	152	26%	0.67
ISE	1,810	2,009	3,819	243	44%	1.11
NDQ	211	110	321	105	4%	0.52
PCX	583	383	966	185	11%	0.66
PHLX	450	524	974	70	11%	1.16
Total	4,573	4,064	8,637	802		0.89

Allow historical ticks

Check this box if historical ticks from Reuters is desired.

Note: WTP must be connected to a WORMS Market data server.

Number of ticks

Enter a value in the **Limit to ____ ticks** window to display the maximum number of ticks to be reported.

Filter by selection

The ticker will only display ticks of the Option that is selected in either the Call or Put tables. The Option name will be displayed next to the checked **Filter by selection** box.

Configure the Ticker Grid

See **Columns and Formatting** for information on customizing the look of the ticker grid.

Launch Order Ticket, Crossing Ticket, Staged Order Ticket, Spread Agent, or Vol Trader

Launch buttons for the **Order Ticket**, **Crossing Ticket**, **Staged Order Ticket**, **Spread Agent** and **Vol Trader** are available when a row in the grid has been selected.

The launch buttons are unavailable if:

- A row has not been selected
- More than one row has been selected
- The user does not have permission

When the Crossing Ticket button is selected, it will open and the security name will display in the **Sec** field.

When Spread Trader or Vol Trader is selected, the applet will open along with the **Managed Order Console** if it isn't open already.

Launch Vol Trader from the Montage Grid

Vol Trader can also be launched from the montage grid in the Option Quote Cube.

Select an order row and double-click in either the **Bid IVol, Ask IVol,** or **Mid IVol** column. Vol Trader and the Managed Order Console will open.

Select Level 2 Data Sources

Display the depth of various exchanges with this command.

1. From the Config menu select **Configuration**

Alternate Method:

Select the **Configure this Window** icon 

2. Under **Level-2 Exchanges** individually select the reporting exchanges or to select all, choose **<All Exchanges>.**

Show Volatility Chart

Select the **Show Volatility Chart** icon  to launch the Volatility Chart Viewer.

Learn more about the Volatility Chart **here**.

Price Consolidation and Quote Detail Tables

More detailed views of a call or put order are displayed in the **Price Consolidation** and **Quote Detail** tables

Price Consolidation				Quote Detail									
Size	Bid	Ask	Size	Canc	Exch	Size	Bid	Change	Chang	Ask	Size	Exch	Cancel
1	26.05	28.35	284		AME	75	28.20			28.35	41	BOX	
10	26.10	28.40	86		BOX	71	28.20			28.35	106	CBOE	
10	26.00	28.45	2		CBOE	129	28.20			28.35	52	ISE	
11	25.80	28.50	2		ISE	54	28.20			28.35	43	PCX	
29	28.15	28.55	2		NDQ	41	28.20			28.35	42	PHLX	
45	28.00	28.65	50		PCX	83	28.20			28.40	10	ISE	
512	28.20	29.50	10		PHLX	59	28.20			28.40	51	NDQ	

Click on any row in the montage grid to display Price Consolidation and Quote Detail information.

Column Order

Click on a column head to toggle the display of data in ascending or descending order.

Select Price Consolidation or Average Liquidity

Either Price Consolidation or Average Liquidity can be displayed.

From the **Config** menu select **Consolidated Quote Mode --> Price Consolidation** (or **Average Liquidity**).

Alternate Method:

Right-click in the Option Quote Cube window and select **Consolidated Quote Mode --> Price Consolidation** (or **Average Liquidity**).

Single Option Mode

The Option Quote Cube can be configured to display market data about a single option.

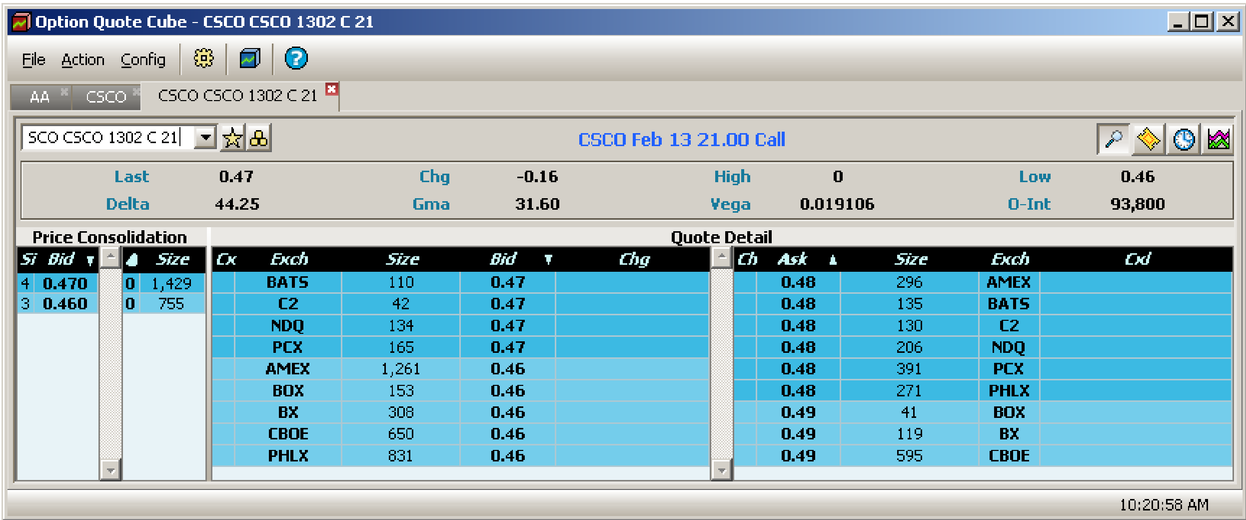
To view quote details about an option:

1. Select an option in the call or put portion of the Option Quote Cube by clicking on it.
2. From the **Config** menu select **Open Selected in Single Option Tab**.

   Alternate Method:

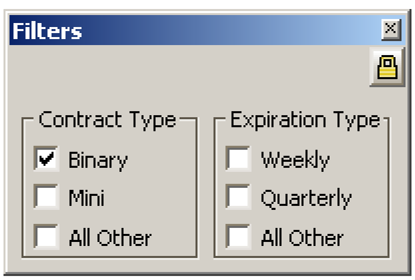
Right-click in the Option Quote Cube window and select **Open Selected in Single Option Tab**.

A new tab will be created and the selected quote displayed:



Option Quote Cube in Single Option Mode

Montage Filters



The **Show Montage Filters** window allows for the display of selected contract types and expiration types.

Launch Show Montage Filters Window

1. Select the Montage Filters Window Icon .

2. Select Contract Type(s) and Expiration Type(s)

Contract Types:

- Binary
- Mini*
- All Other**

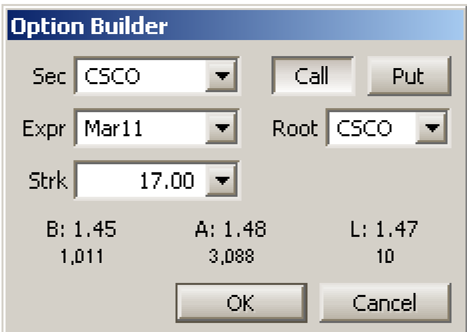
*Mini contracts control 10 shares of stock compared to the standard of 100 shares.
**All Other contract types include Cash-in-Lieu, and odd lots that are not Mini contracts.

Expiration Type

- Weekly
- Quarterly
- All Other*

*All Other refers to non-standard expiration types.

Option Builder



The **Option Builder** displays detailed information about a security, its expiration date and strike price, and bid/ask/last prices.

Access the Option Builder

Select a quote to display.

1. Click on the Option Builder icon to bring up the Option Builder 
2. Make selections from the drop-down fields (security, expiration, strike, root), and select **Call** or **Put.**
3. Press **OK**. The Option Quote Cube will now display the option details in **Single Option Mode**.

Quick Trades

A shortcut to issuing an order through the Option Quote Cube can be accomplished through a **Quick Trade**. A Quick Trade can be made from the Option Quote Cube in either montage or single option modes.

Make a Quick Trade

1. Click on a row in the Option Quote Cube that corresponds to the trade that is to be made.
2. Click the right mouse button and select **Quick Trades -->** and select the quick trade parameters.

Alternate Method:

Type **Ctrl +b**.

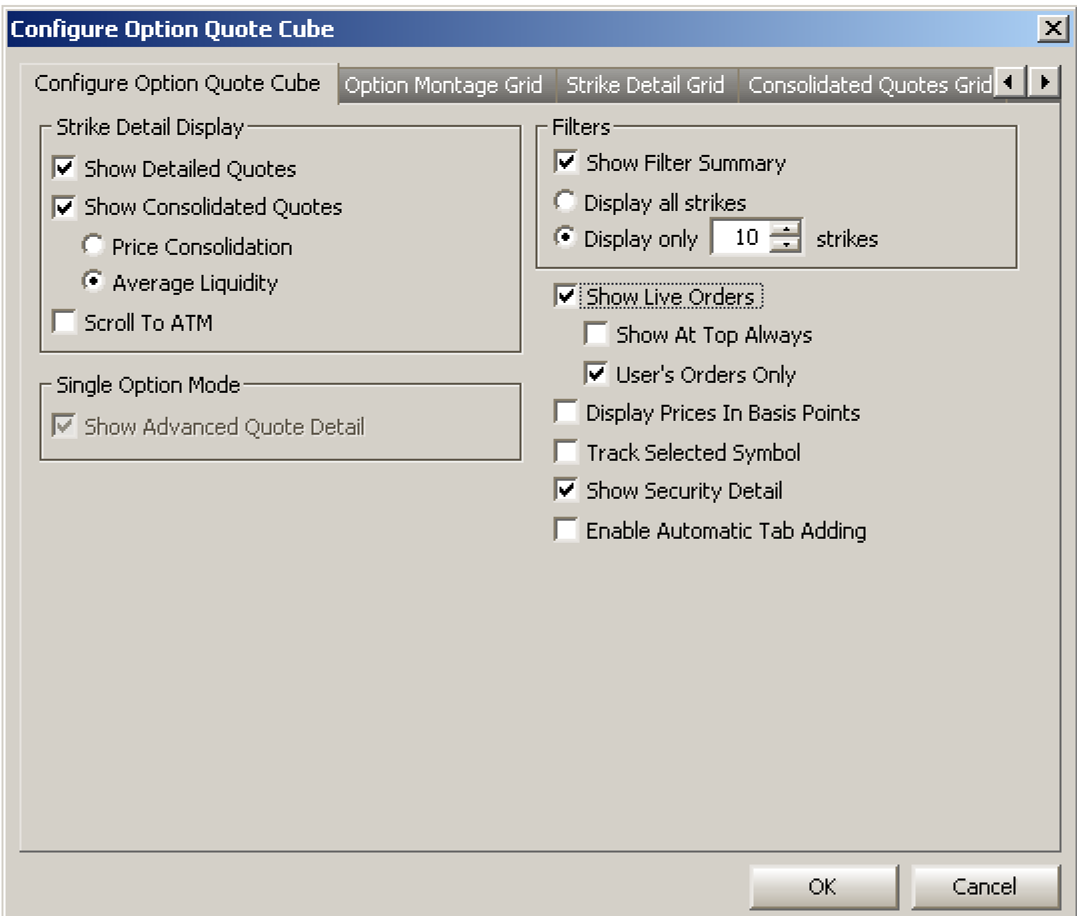
Configure Option Quote Cube

To open the Option Quote Cube's configuration window, press the configuration icon .

Alternate Methods:

- From the **Config** menu select **Configuration**
- Right-click in the Option Quote Cube and select **Configuration**

General Configurations



Strike Detail Display

Show Detailed Quotes

In Single Option Mode, check this box to view Delta data in the detail section of the Option Quote Cube.

Show Consolidated Quotes

Check the **Show Consolidated Quotes** to display

Select **Price Consolidation** or **Average Liquidity** (the price per share at which any given quantity is available)

Alternate Methods:

From the **Config** menu, select **Show Detailed Quotes** and/or **Show Consolidate Quotes**

For Consolidated Quotes, select one: **Price Consolidation** or **Average Liquidity**.

Scroll To ATM

When the price of an underlying security is equal to the strike price, the option is **ATM (A**t **T**he **M**oney)**.**

Check this box to have the Option Montage Grid to scroll to the **ATM** quote.

Single Option Mode

When the Option Quote Cube is in **Single Option Mode**, check **Show Advanced Quote Detail** to view detailed quotes data (last, delta, gamma, etc.).

Note: Show Advanced Quote Detail is only available for selection when viewing a quote in Single Option Mode**.**

Filters

Show Filter Summary

Check this box to display all the filters that are currently in force.

The filter summary is displayed below the **Security Detail** portion of the Option Quote Cube.

Display all strikes/Display only xxx strikes

See **Filter Visible Strikes By Expiration**

Show Live Orders

Check this box to view Live Orders in the Option Quote Cube.

Show At Top Always

Check this box to view Live Orders at the top of the Option Quote Cube.

User's Orders Only

When selected, all orders **not** generated by the current user will be hidden.

Display Prices in Basis Points

Check this box to have the Option Quote Cube show prices in basis points.

Track Selected Symbol

Check this box to enable **Toggle Symbol Tracking**.

Show Security Detail

Check this box to view Quote and Delta data in the details portion of Option Quote Cube.

Alternate Method:

Press the Show/Hide Security Detail icon 

Enable Automatic Tab Adding

Automatic Tab Adding information can be found **here**.

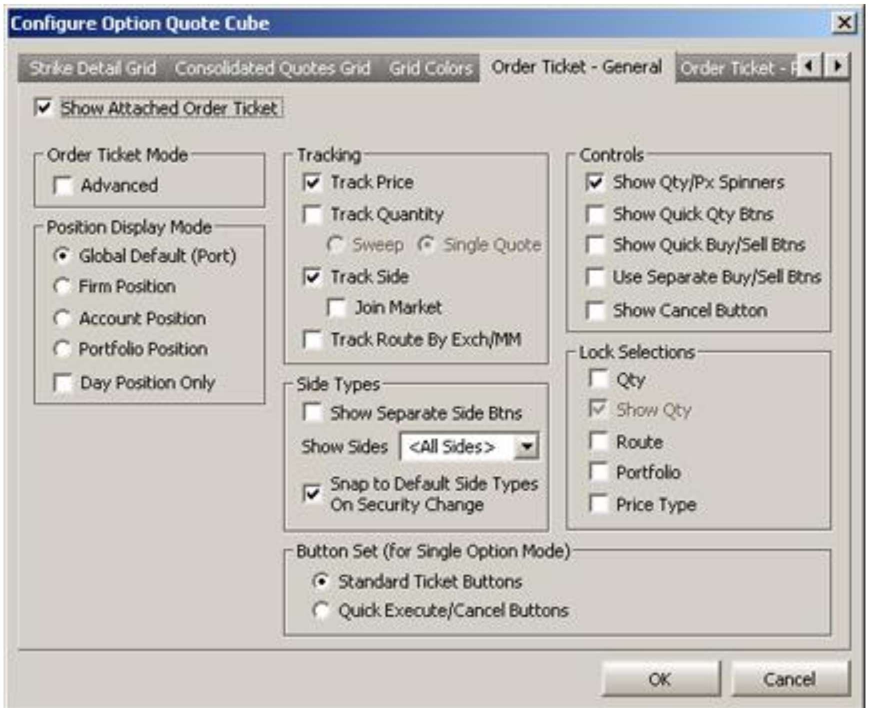
Other Tabs in Configure Option Quote Cube

Option Montage Grid, Strike Detail Grid, Consolidated Quotes Grid, Ticker, and Grid Colors

Learn how to format columns and grids and define grid colors **here**.

Note: To disable the montage grid from displaying exchange colors, check the **Disable Colors** box (found under the **Grid Colors** tab).

Order Ticket General



An Order Ticket can be attached to the Option Quote Cube.

From the **Order Ticket** tab in the configuration window, check **Show Attached Order Ticket**.

Alternate Methods:

- From the Option Quote Cube window, right-click and select **Show Order Ticket**.
- From the **Config** menu select **Show Attached Order Ticket**.
- Select the Show/Hide Order Ticket icon .

Order Ticket in Advanced Mode

Additional order options such as start/stop times, % volatility, IOC routes, and Stop Limit and Stop Market orders are available in the ticket's advanced mode.

Detailed advanced mode information is available **here**.

Position Display Mode

The position field in the **Option Quote Cube** order ticket can be configured to display one of five positions:

- **Global Default (Port)**
- **Firm Position**
- **Account Position**
- **Portfolio Position**
- **Day Position Only**

The Account Position reports position adjustments, while Portfolio and Day Position Only do not.

If the position is unknown or unobtainable, **"unknown"** will be displayed in the position fields.

The **Global Default (Port)** position references the **Default Position Mode** that was selected in **Global Configuration.**

Tracking

The Order Ticket can be configured to track (i.e., match) a value in the Option Quote Cube and automatically place that value in the Order Ticket.

Tracking Options:

Track Price—The ticket will use the price of the currently selected quote.

Track Quantity—When a security is clicked in the Option Quote Cube, the order quantity will be placed in the **QTY** field of the Order Ticket. Select one of two options for quantity tracking:

- **Sweep—**The ticket will use the sum of the quantities for all quotes above and including the selected quote. This is useful when taking the market to "sweep" up the top of the book.
- **Single Quote—**The ticket will use the quantity of the selected quote.

Track Side—If selected, when a quote is clicked in the **ASK** grid, the Order ticket will track its side to **BYO.** When clicked in the **BID** grid, it will track its side to **SLO**.

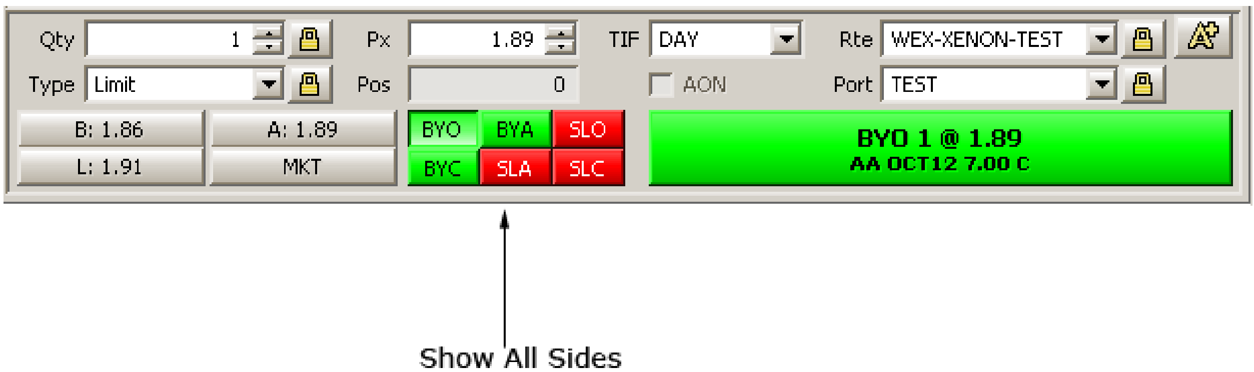
Join Market—Causes the ticket to select the **BUY** side for a Bid and the **SELL** side for an Ask.

Track Route by Exch/MM—If checked, the Order Ticket will select a route based on the Exchange or Market Maker of the selected quote and the Option Quote Source mapping in **Global Configuration.**

All other instructions for configuring the Order Ticket can be found **here**.

Note: Order Tickets launched from the Option Quote Cube (via the **send to-->Order Ticket** command) also obey the tracking configuration.

Side Types



Show Separate Side Btns—Check this box to display all the selected side types from the drop-down list (BYO, BYA, SLO, SLA, etc.) on the Order Ticket. If unchecked, only the **Buy** and **SEL** buttons (or **SSH** depending on your configuration) will display.

Show Sides—To display any or all of the available Side Types, choose the Side Type(s) to display from the drop-down list. Select **<All Sides>** box to show all Side Types on the Order Ticket.

The Order Ticket in Option Quote Cube supports the following Side Types:

- BYO (Buy option)
- BYC (Buy to close)
- BYA (Auto buy)
- SLO (Sell option)
- SLA (Auto sell)
- SLC (Sell to close)

Notes on Option Side Types

BYC—Generally used for options, but can be used for stocks on a per-route basis. Not allowed for futures.

BYA—The order will be a BUY if it results in a positive position. The order will be a BYC if it results in a zero or negative position.

> **Note:** BYA is enabled for equities only and can only be used if the selected route supports equity BYC.

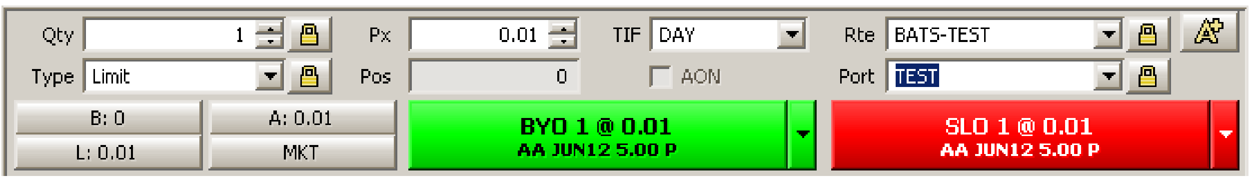
SLA—Equities only, not allowed for futures The auto sell side type automatically chooses between **SEL** and **SSH** based on the current position.

SLC—Not allowed for futures.

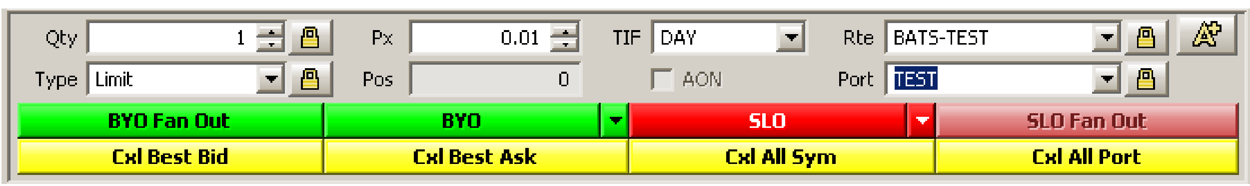
Snap Side Types to Defaults On Security Change

When you change a Symbol in the Order Ticket, default sides types will be displayed in the Order Ticket if you check this box. Buy Side Types are **BUY** and **BYC.** Sell Side Types are **SEL, SLA, SSH, SSE**.

Button Set (for Single Option Mode)



Button Set: Standard Ticket Buttons



Button Set: Quick Execute/Cancel Buttons

When the Option Quote Cube is in single option mode, one of two button sets can be selected:

- Standard Ticket Buttons
- Quick Execute/Cancel Buttons

Controls

Show Qty/Px Spinners—Spinners are the up/down arrows adjacent to the **Qty** and **Px** fields and are used to adjust the quantity and price without the need to manually key in a value:

Price field with Spinners enabled

Show Quick Qty Btns

Quick Qty Btns

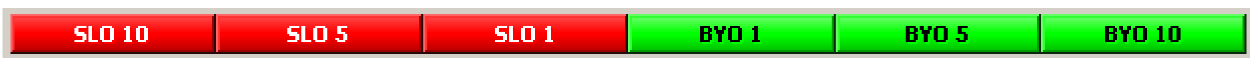
Quick Qty buttons reflect the values to be added to the Qty field are displayed in the Order Ticket. The values are:

- **+1**
- **+5**
- **+10**
- **+25**
- **+50**
- **+100**

Each button can be combined with other buttons for a desired total (i.e., +100 button + +500 button = Qty of 600).

Select the **Clear Qty** button to set the **Qty** value to zero.

Show Quick Buy/Sell Btns—Check this box to display six quick buy/sell buttons in these amounts:



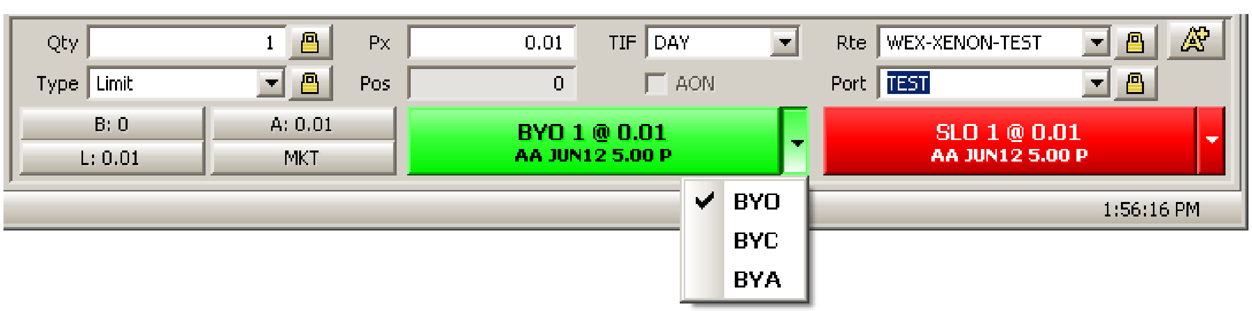
Quick Buy/Sell Btns

- **SLO 10**
- **SLO 5**
- **SLO 1**
- **BYO 1**
- **BYO 5**
- **BYO 10**

The selected side types are reflected in the quick buy/sell buttons (for example, if the side type is **BYC**, the quick sell buttons will be **BYC 1, BYC 5,** and **BYC 10**)

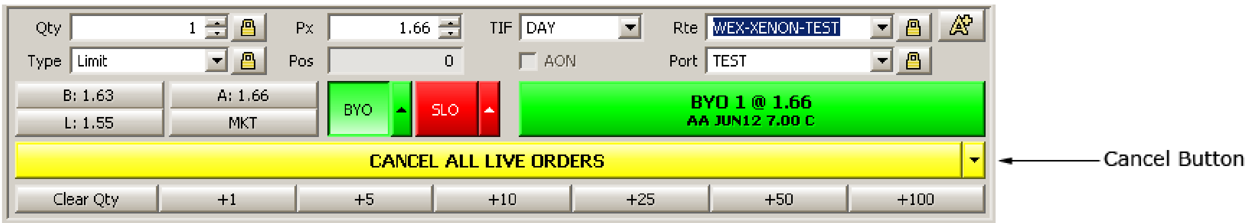
Use Separate Buy/Sell Btns

When checked, the default ticket layout of one **Buy** button, one **Sell** button, and a third button that reflects buy/sell and price will be replaced by **two buttons** each reflecting the price. If applicable (based on routes and permissions), each button allows for the selection of a different side type.



Separate buy/sell buttons showing quantity and price. Side types can be selected from each button.

Show Cancel Button—The Cancel button allows you to cancel all live orders for the security selected in the Option Quote Cube. Check the **Show Cancel Button** to display it.



Cancel all live orders for a security with the Cancel button.

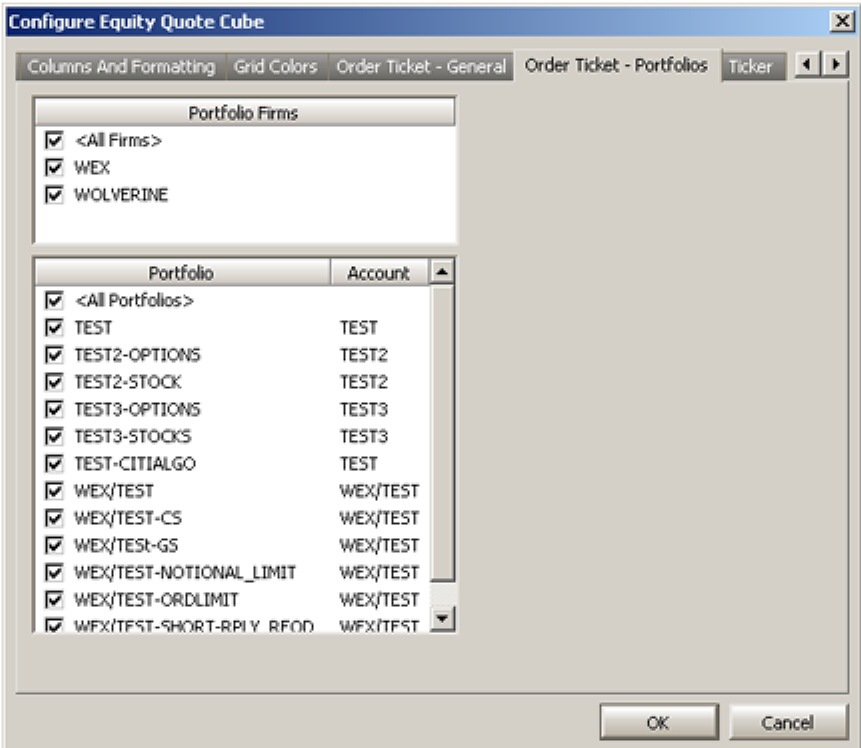
Lock Selections

Lock override default settings in the Global Configuration.

Global settings such as routes, portfolios, price types, etc. can be associated with certain symbols or security types. When a symbol is entered, the global settings are called in automatically. If the defaults are to be overridden (for example QTY is changed to 500 from the default of 100), and **Lock Selection** is enabled, each symbol that's entered in the Order Ticket will have a QTY value of 500.

As an alternative to the configuration window, the lock icon  on the Order Ticket can be employed to lock selected fields.

Order Ticket - Portfolios



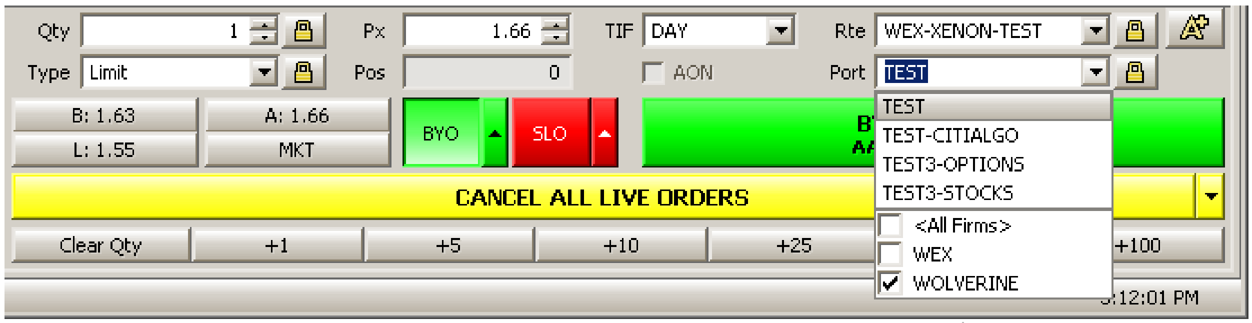
The **Portfolio Firms** and their respective portfolios that are available for selection in the **Port** field of the Option Quote Cube Order Ticket are listed here.

In the top portion of this window check the Portfolio Firms that are to have their portfolios listed. Check **<All Firms>** to select all Portfolio Firms.

The portfolios for each Portfolio Firm will be displayed in the bottom portion of the window. Check the portfolios that will be available for selection or **<All Portfolios>** to select them all.

Alternate Method for Selecting Portfolio Firms

In the drop-down menu in the **Port** field, you can also select the Portfolio Firms:



Firms can also be selected here

Tabs

Tabs in grids information can be found **here**.

Toggle Symbol Tracking

See **Toggle Symbol Tracking** for details on this feature.

Send Option Quote Cube Data

Data in the Option Quote Cube can be sent to other WTP applets.

To send Option Quote Cube Data:

1. Click the right mouse button on the Option Quote Cube.
2. Select **Send To-->xxx** (where xxx is the name of the applet)

The chosen applet will open displaying its data of the sent symbol.

Switch to Equity Quote Cube

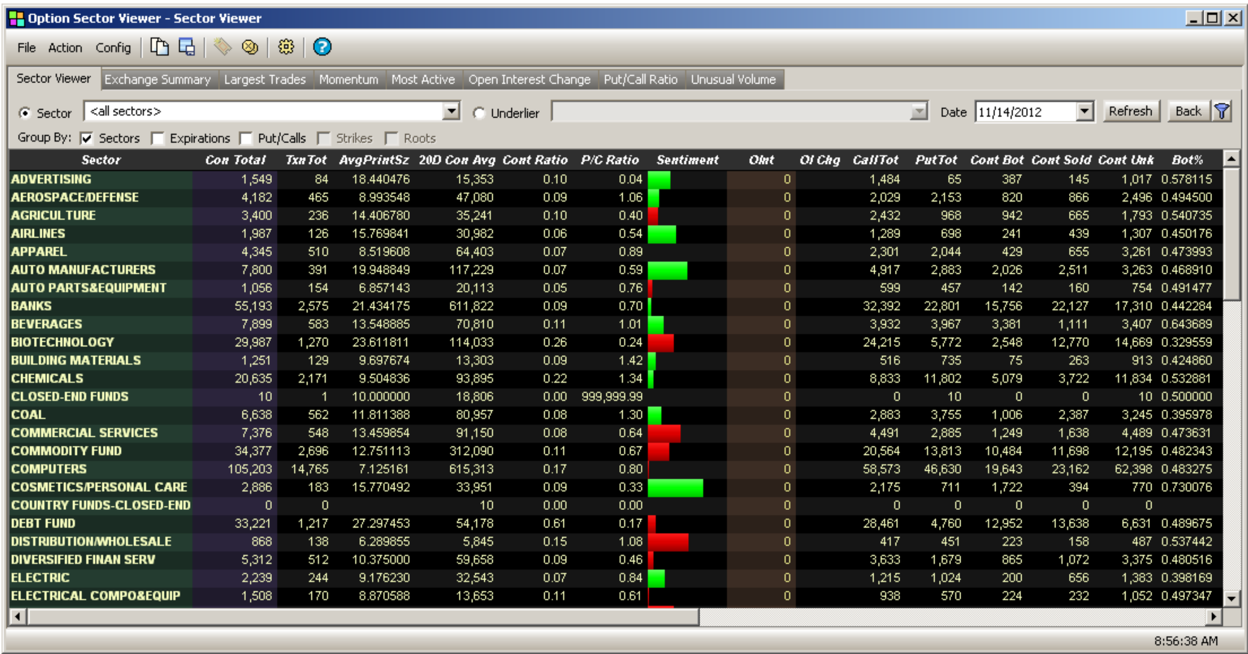
Select the **Equity Quote Cube** icon  to exit the Option Quote cube and open the Equity Quote Cube.

Alternate Method:

From the **Action** menu select **Switch to Equity Mode**.

Option Sector Viewer

The Option Sector Viewer is a powerful utility that provides traders an overall feel for the options market and allows them to spot hot sectors or option products. Clicking on a sector opens a list of underliers, and a list of underliers can be opened to view their expirations.



Sector	Con Total	TxnTot	AvgPrintSz	20D Con Avg	Cont Ratio	P/C Ratio	Sentiment	OInt	OI Chg	CallTot	PutTot	Cont Bot	Cont Sold	Cont Unk	Bot%
ADVERTISING	1,549	84	18.440476	15,353	0.10	0.04		0		1,484	65	387	145	1,017	0.578115
AEROSPACE/DEFENSE	4,182	465	8.993548	47,080	0.09	1.06		0		2,029	2,153	820	866	2,496	0.494500
AGRICULTURE	3,400	236	14.406780	35,241	0.10	0.40		0		2,432	968	942	665	1,793	0.540735
AIRLINES	1,987	126	15.769841	30,982	0.06	0.54		0		1,289	698	241	439	1,307	0.450176
APPAREL	4,345	510	8.519608	64,403	0.07	0.89		0		2,301	2,044	429	655	3,261	0.473993
AUTO MANUFACTURERS	7,800	391	19.948849	117,229	0.07	0.59		0		4,917	2,883	2,026	2,511	3,263	0.468910
AUTO PARTS&EQUIPMENT	1,056	154	6.857143	20,113	0.05	0.76		0		599	457	142	160	754	0.491477
BANKS	55,193	2,575	21.434175	611,822	0.09	0.70		0		32,392	22,801	15,756	22,127	17,310	0.442284
BEVERAGES	7,899	583	13.548885	70,810	0.11	1.01		0		3,932	3,967	3,381	1,111	3,407	0.643689
BIOTECHNOLOGY	29,987	1,270	23.611811	114,033	0.26	0.24		0		24,215	5,772	2,548	12,770	14,669	0.329559
BUILDING MATERIALS	1,251	129	9.697674	13,303	0.09	1.42		0		516	735	75	263	913	0.424860
CHEMICALS	20,635	2,171	9.504836	93,895	0.22	1.34		0		8,833	11,802	5,079	3,722	11,834	0.532881
CLOSED-END FUNDS	10	1	10.000000	18,806	0.00	999,999.99		0		0	10	0	0	10	0.500000
COAL	6,638	562	11.811388	80,957	0.08	1.30		0		2,883	3,755	1,006	2,387	3,245	0.395978
COMMERCIAL SERVICES	7,376	548	13.459854	91,150	0.08	0.64		0		4,491	2,885	1,249	1,638	4,489	0.473631
COMMODITY FUND	34,377	2,696	12.751113	312,090	0.11	0.67		0		20,564	13,813	10,484	11,698	12,195	0.482343
COMPUTERS	105,203	14,765	7.125161	615,313	0.17	0.80		0		58,573	46,630	19,643	23,162	62,398	0.483275
COSMETICS/PERSONAL CARE	2,886	183	15.770492	33,951	0.09	0.33		0		2,175	711	1,722	394	770	0.730076
COUNTRY FUNDS-CLOSED-END	0	0		10	0.00	0.00		0		0	0	0	0	0	
DEBT FUND	33,221	1,217	27.297453	54,178	0.61	0.17		0		28,461	4,760	12,952	13,638	6,631	0.489675
DISTRIBUTION/WHOLESALE	868	138	6.289855	5,845	0.15	1.08		0		417	451	223	158	487	0.537442
DIVERSIFIED FINAN SERV	5,312	512	10.375000	59,658	0.09	0.46		0		3,633	1,679	865	1,072	3,375	0.480516
ELECTRIC	2,239	244	9.176230	32,543	0.07	0.84		0		1,215	1,024	200	656	1,383	0.398169
ELECTRICAL COMPO&EQUIP	1,508	170	8.870588	13,653	0.11	0.61		0		938	570	224	232	1,052	0.497347

Launch Option Sector Viewer
Input Modes—Sector and Underlier
Groupings
Investigate a Sector

Filter Data
The BACK Button
The REFRESH Button
Configure Option Sector Viewer

Other Tabs in Option Sector Viewer
Create New Orders From Option Sector Viewer
Cancel Orders
Export Grid Data

Launch Option Sector Viewer

From the WTP toolbar select **Analyze-->Option Sector Viewer**.

Alternate Method:

From the WTP menu select **Option Sector Viewer**.

Input Modes—Sector and Underlier

The Option Sector Viewer can retrieve data based on sectors or underliers. The mode is set by selecting one or the other at the top of the Option Sector Viewer.

Selecting Sectors

1. Select the **Sector** radio button.

2. Choose the sector to view from the drop-down list. Select **<all sectors>** to have all sectors displayed.

   Note: Sectors can be manually typed, separated by a comma or semicolon.

Selecting Underliers

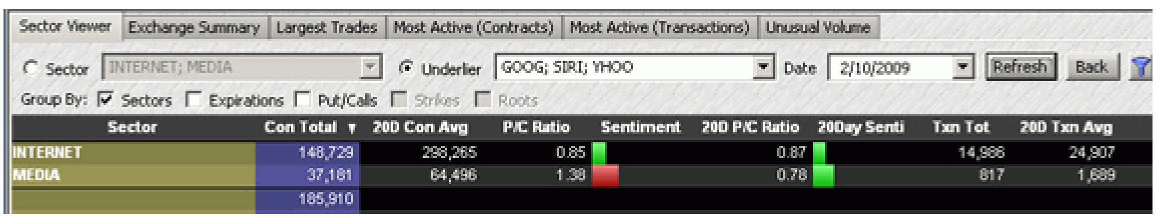
1. Select the **Underlier** radio button.

2. Enter one or more symbols. Separate symbol with a semicolon.

Underliers and "Grouped By" Selections

When underliers are entered, the sectors they belong to are listed in the Sectors column.

In the example below, underliers **GOOG** **SIRI** and **YHOO** are entered. Their sectors, **INTERNET** and **MEDIA** are automatically placed in the Option Sector Viewer:



Groupings

By default, the Option Sector Viewer shows a single row for every Sector. The **Group By** checkboxes allow the user to partition the sectors by additional fields.

Sectors—All sectors entered in the **Sector** input mode field will be listed.

> **Note:** If the **Sectors** box is unchecked, the Option Sector Viewer will respond by listing all of the underliers related to the sectors that were selected in the input field.
>
> For example, if sectors **Advertising** and **Airlines** are selected and the **SECTORS** box is unchecked, all underling symbols related to both sectors will be displayed in the Option Sector Viewer.

Expirations—The expirations for each sector will be displayed. For example, if Expirations is selected with the Advertising Sector, expirations for a number of months will be listed (i.e., Feb09, Mar09, Apr09, etc.)

Put/Calls—Each selected sector will be divided into Puts and Calls if the **Put/Calls** box is checked.

Strikes—Strike prices are displayed with the Strike option selected.

> **Note:** The **Sectors** box must be unchecked in order to view Strikes.

Roots—The root symbol (generally, the first three letters of an option symbol) is displayed if this box is checked.

> **Note:** The **Sectors** box must be unchecked in order to view Roots.

Investigate a Sector

Any listed sector can be investigating further by double-clicking on it. With each double-click new information about the sector is revealed.

From the Option Sector Viewer base page, each double-click displays a deeper level of data. At the highest level are the **sectors**, which are then broken down into **underliers, expiration dates, put/calls, strike prices, and root identifiers** in order.

When clicking on a row with a root identifier, the **Option Time and Sales** applet opens for that option product.

Double-clicking automatically sets the filter to display only the data for the clicked item.

Filter Data

The data displayed in the Option Sector Viewer can be filtered. When the filter is active, only defined parameters defined in the filter window will display, if available.

Define Filters

1. Press the Filter icon  and the Filters window opens.
2. Define which securities should be filtered, the expression that is to be acted upon, the conditional (=, <, >, etc.), and the target value.

   In the sample below, a Filter has been defined for **All Sectors listed in the Input field, where the Expiration Date equals Mar09:**

When a filter has been created, it will be displayed in the Option Sector Viewer page:

Uncheck the **Filters** box to turn off filtering.

To remove the filter entirely, press the **Del** button in the Filter definition window, then select **OK**.

The BACK Button

The Option Sector Viewer keeps track of the history of data requests. Pressing the **Back** button reveals the previous data request. With each subsequent pressing of the **Back** button the previous Option Sector Viewer screen will be displayed (much like the functionality of the back button in a web browser).

The REFRESH Button

The Option Sector Viewer retrieves new data every time a new command is entered. Data is refreshed automatically based on the value entered in the configuration window.

A forced refresh is accomplished by pressing the **Refresh** button.

Configure Option Sector Viewer

The available columns, their styles, and row color conditions are defined in the configuration window for the Option Sector Viewer.

Open the Configuration Window

Select the Configuration icon . See **Columns and Formatting** for detailed descriptions on how to customize columns and rows.

Alternate Methods:

- Right-click in the Option Sector Viewer window and select **Configuration**
- From the **Config** menu select **Configuration**

Note About News Columns: A **News** button that links to the **News Browser** can be configured under **Quote Fields** for each tab in the Option Sector Viewer. Some sectors will not have specific securities associated with them. In those cases, the News button will not be highlighted.

The Miscellaneous Tab

Two values are set under the Miscellaneous tab: **Highlight Display Size** and **Refresh Data** amount.

The numerical value entered in the **Highlight Display Size** reflects the number of rows to display when selecting Option Sector Viewer tabs **Largest Trades, Most Active (Contracts), Most Active (Transactions)** and **Unusual Volume**.

If **Automatically Refresh Data** is checked, the Option Sector Viewer will refresh its data as often as the displayed value dictates. The minimum refresh value is **10 seconds**.

Note: Refreshing sector data can take a significant amount of processing time. Increasing this value can improve WTP performance.

Other Tabs in Option Sector Viewer

The Highlight Tabs in Option Sector Viewer are defined on the server by an administrator and cannot be created, deleted, or changed by a WTP user.

Create New Orders from Option Sector Viewer

New orders can be created from Option Sector Viewer.

1. Right-click any row containing either a sector or underlier name.
2. Select **New Order**

   Alternate Method:

   Type **Ctrl +n**.

The **Order Ticket** will display.

Cancel Orders

All unfilled orders or orders for a particular symbol can be canceled.

1. Right-click on a row with a symbol whose order is to be canceled.

2. Select **Cancel All Orders** (for all orders to be canceled regardless of the symbol), or **Cancel All for Symbol xxx** (where xxx is the symbol name)

   Alternate Method:

   Type **Ctrl +z**.

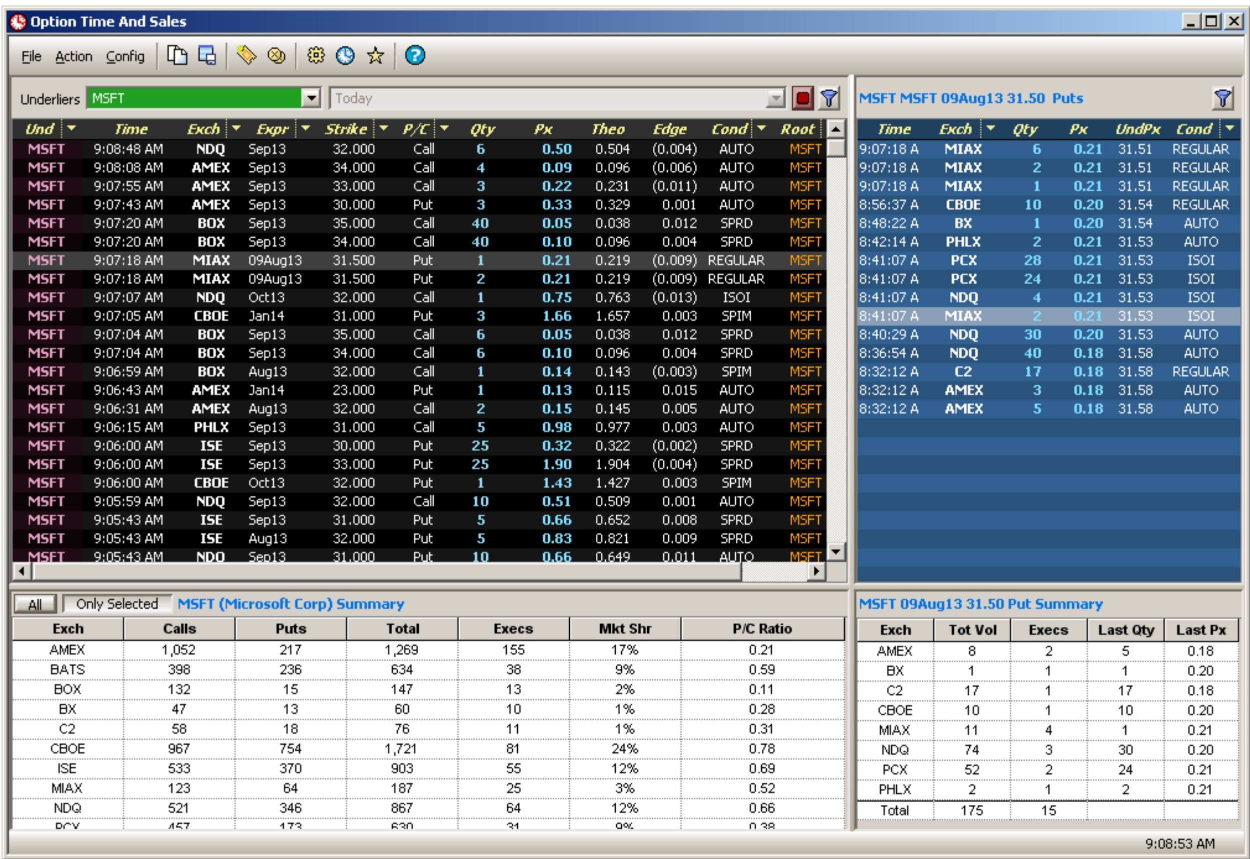
Export Grid Data

Grid data in Option Sector Viewer can be exported to a file, clipboard, or Microsoft Excel spreadsheet.

Click **here** to learn more about exporting grid data.

Option Time and Sales

Option Time and Sale allows you to view tick-by-tick details for all option products for a given security over a defined period. Optional views include detailed information about a selected product and summary data.



[Launch Option Time and Sales](#)

[The Option Time and Sales Window](#)

[Select one or more Underliers](#)

[Select a Reporting Time](#)

[Select a Tick for a Detailed View](#)

[The Summary Grid](#)

[Detail Summary Grid](#)

[Data Filter](#)

[Consolidated Mode](#)

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[Switch to Equity Mode](#)

[Configure Option Time and Sales](#)

[Issue or Cancel Orders](#)

[Export Grid Data](#)

[Templates](#)

[Printing](#)

[Condition Codes](#)

Launch Option Time and Sales

From the WTP Toolbar select **Analyze-->Option Time and Sales**.

Alternate Method:

From the WTP menu select **Option Time and Sales**.

The Option Time and Sales Window

The Option Time and Sales window can be divided in quadrants, depending on viewing preferences. In the image above, the four quadrants are defined as follows:

- **Upper Left—Primary Display** Define the reporting time, start/stop data retrieval, and/or filtering parameters.
- **Upper Right—Detailed Grid** Displays all the ticks for a currently selected product in the primary display grid.
- **Bottom Left—Summary Grid** Displays the summary for a selected underlier **OR** displays the total data for all underliers.
- **Bottom Right—Detailed Summary Grid** Displays a summary of the currently selected product.

Select one or more Underliers

To enter one or more underliers, the Option Time and Sales window must be stopped. Press the red Stop button . The Underliers window will now be available for input.

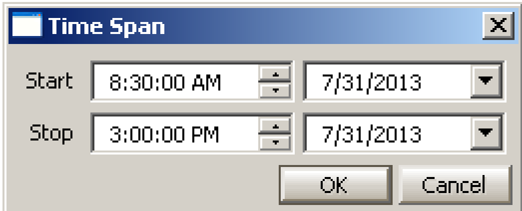
1. Enter one or more stock symbols. Separate each symbol with a comma or semi-colon.
2. Select a reporting time (see below).
3. Press the green **Go** button .

The Option Time and Sales window will retrieve relevant underlier data.

Select a Reporting Time

Option Time and Sales can retrieve market data based on selected time parameters.

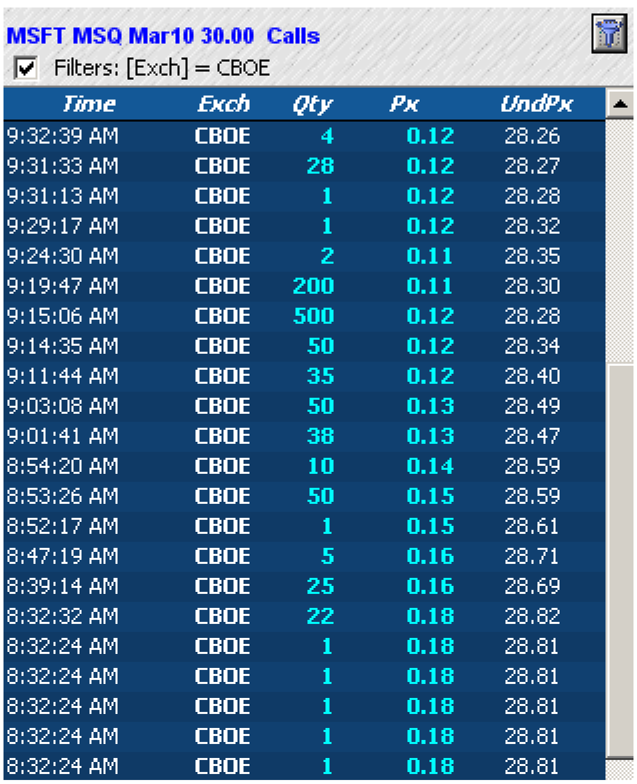
- Select one of three defined time parameters for options reporting:
  Today (all ticks from midnight of the current day)
- **Yesterday** (all ticks up until midnight of the previous day)
- **Custom** (tick data retrieved between the two defined time/date settings). When selected, the **Time Span** window launches:



Enter the start/stop times (or use the up/down spinner arrows), and select a date from the drop-down list.

Note: Option Time and Sales must be stopped in order to enter reporting time values.

Select a tick for a Detailed View



MSFT MSQ Mar10 30.00 Calls

Filters: [Exch] = CBOE

Time	Exch	Qty	Px	UndPx
9:32:39 AM	CBOE	4	0.12	28.26
9:31:33 AM	CBOE	28	0.12	28.27
9:31:13 AM	CBOE	1	0.12	28.28
9:29:17 AM	CBOE	1	0.12	28.32
9:24:30 AM	CBOE	2	0.11	28.35
9:19:47 AM	CBOE	200	0.11	28.30
9:15:06 AM	CBOE	500	0.12	28.28
9:14:35 AM	CBOE	50	0.12	28.34
9:11:44 AM	CBOE	35	0.12	28.40
9:03:08 AM	CBOE	50	0.13	28.49
9:01:41 AM	CBOE	38	0.13	28.47
8:54:20 AM	CBOE	10	0.14	28.59
8:53:26 AM	CBOE	50	0.15	28.59
8:52:17 AM	CBOE	1	0.15	28.61
8:47:19 AM	CBOE	5	0.16	28.71
8:39:14 AM	CBOE	25	0.16	28.69
8:32:32 AM	CBOE	22	0.18	28.82
8:32:24 AM	CBOE	1	0.18	28.81
8:32:24 AM	CBOE	1	0.18	28.81
8:32:24 AM	CBOE	1	0.18	28.81
8:32:24 AM	CBOE	1	0.18	28.81
8:32:24 AM	CBOE	1	0.18	28.81

Click on any tick in the **Primary Display** to view detailed information about the underlier. The data will be displayed in the **Detailed Grid**.

If the Detailed Grid is not displayed, it must be activated. See **Configure Option Time and Sales** for instructions on how to display the Detailed Grid.

Note: Although many underliers may be reported, only one underlier at a time can have its detailed information displayed in the Detailed Grid.

Filter Details

Press the filter icon to open the **Detail Filters** window where filters are defined. In the image above, a filter was defined to display ticks only from the CBOE.

The **Detail Filters** window is similar to the **set row color conditions** window**.**

The Summary Grid

All | Only Selected | All Underliers

Exch	Calls	Puts	Total	Execs	Mkt Shr	P/C Ratio
AMEX	1,561	1,344	2,905	259	4%	0.86
BOX	2,367	1,817	4,184	589	6%	0.77
CBOE	11,406	5,772	17,178	1,277	24%	0.51
ISE	9,618	8,472	18,090	1,850	26%	0.88
NDQ	1,533	1,541	3,074	548	4%	1.01
PCX	6,392	8,967	15,359	1,502	22%	1.40
PHLX	5,995	3,359	9,354	754	13%	0.56

*Summary Grid **All** mode*

All | Only Selected | AAPL (APPLE INC) Summary

Exch	Calls	Puts	Total	Execs	Mkt Shr	P/C Ratio
AMEX	1,482	999	2,481	254	5%	0.67
BOX	1,828	1,349	3,177	532	6%	0.74
CBOE	7,017	4,407	11,424	972	23%	0.63
ISE	7,137	7,267	14,404	1,636	29%	1.02
NDQ	1,573	1,347	2,920	549	6%	0.86
PCX	3,836	3,503	7,339	1,462	15%	0.91
PHLX	4,497	3,218	7,715	676	16%	0.72

*Summary Grid **Only Selected** mode*

The **Summary Grid** displays either a summary of **all** underliers (if more than one underlier has been entered in the Underliers field), or a summary of a **single** underlier (selected in the primary display).

Select the preferred summary by pressing the **All** or **Only Selected** button.

The Summary Grid can be enabled/disabled, by making the appropriate selection in the **configuration** window.

Detail Summary Grid

AAPL Mar09 90.00 Call Summary

Exch	Tot Vol	Execs	Last Qty	Last Px
AMEX	320	35	2	5.10
BOX	401	65	3	4.30
CBOE	1,601	67	2	3.97
ISE	1,511	193	3	5.00
NDQ	336	62	10	4.50
PCX	409	110	1	3.90
PHLX	264	32	10	3.80

The **Detail Summary Grid** (bottom right) displays a summary of a selected product.

To populate the Detail Summary Grid, click on a underlier tick in the Primary display.

The Detail Summary Grid can be enabled/disabled, by making the appropriate selection in the **configuration** window.

Data Filter

The data displayed in the Primary display can be filtered. When a filter is in force, only data that matches the parameters of the filter will be displayed.

For example, if it desired to view the underliers from a specific exchange, a filter can be defined to show only the exchange name.

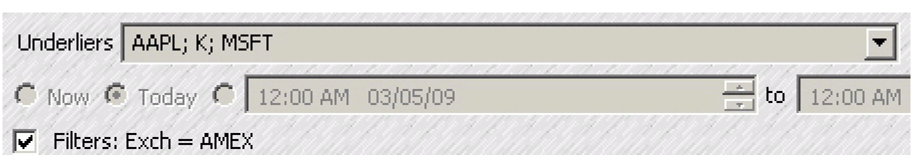
Define a Data Filter

1. Press the filter icon  The Filters input screen displays:

2. Define a security, expression, condition, and target value and press **OK** or **Apply**.

   For more information about defining expressions see **Set Row Color Conditions**.

When a filter is active, the filter expression and target value will be displayed in the Option Time and Sales window. The image below reflects the filter selection of displaying data from AMEX exclusively:



Consolidated Mode

The Option Time and Sales window can be configured to display data in consolidated mode where each line corresponds to a separate product.

In consolidated mode only the cumulative fields are shown per each tick.

Set Option Time and Sales to Consolidated Mode

Right-click the mouse anywhere in the Option Time and Sales window and select **Consolidated Mode**.

Alternate Methods:

- From the **Config** menu select **Consolidated Mode**.
- From the configuration window, Miscellaneous tab, check **Consolidated Mode**.

Disable Consolidated Mode by repeating the same procedure.

Split Grid Mode

The Primary Display can be configured for Split Grid Mode, where calls and puts are on separate grids. In the image below Split Grid Mode is enabled:

Und	Time	Exch	Expr	Strike	P/C	Qty	Px	Theo	Edge	Roo
DELL	1:21:37 PM	ISE	Apr09	9.00	Call	1	0.50	0.505	-0.005	DLY
DELL	1:21:37 PM	CBOE	Jan11	7.50	Call	10	3.15	3.200	-0.050	VPZ
DELL	1:21:01 PM	CBOE	Jan11	15.00	Call	3	0.90	0.930	-0.030	VPZ
DELL	1:21:00 PM	CBOE	Jan11	20.00	Call	73	0.38	0.420	-0.040	VPZ
DELL	1:20:55 PM	PCX	Jan10	12.50	Call	11	0.66	0.640	0.020	WDQ
DELL	1:20:55 PM	PCX	Jan10	12.50	Call	4	0.66	0.640	0.020	WDQ
DELL	1:20:47 PM	ISE	Mar09	10.00	Call	10	0.04	0.045	-0.005	DLY
DELL	1:20:47 PM	PCX	Jan10	12.50	Call	11	0.66	0.665	-0.005	WDQ
DELL	1:20:47 PM	ISE	Mar09	8.00	Call	10	0.74	0.740	0.000	DLY
DELL	1:20:46 PM	PCX	Jan10	12.50	Call	23	0.66	0.635	0.025	WDQ
DELL	1:20:46 PM	BOX	Jan10	12.50	Call	11	0.66	0.635	0.025	WDQ

Und	Time	Exch	Expr	Strike	P/C	Qty	Px	Theo	Edge	Roo
DELL	1:22:21 PM	PCX	Mar09	8.00	Put	15	0.23	0.235	-0.005	DLY
DELL	1:22:00 PM	PCX	Mar09	8.00	Put	50	0.23	0.225	0.005	DLY
DELL	1:21:43 PM	PCX	Jan11	12.50	Put	32	5.10	5.050	0.050	VPZ
DELL	1:21:43 PM	PCX	Jan11	12.50	Put	8	5.10	5.100	0.000	VPZ
DELL	1:20:43 PM	ISE	May09	9.00	Put	56	1.21	1.200	0.010	DLY
DELL	1:20:40 PM	CBOE	Mar09	8.00	Put	14	0.23	0.225	0.005	DLY
DELL	1:20:34 PM	CBOE	Mar09	8.00	Put	36	0.23	0.225	0.005	DLY
DELL	1:19:45 PM	ISE	Mar09	8.00	Put	250	0.22	0.225	-0.005	DLY
DELL	1:19:08 PM	ISE	Apr09	7.00	Put	1	0.20	0.205	-0.005	DLY
DELL	1:18:51 PM	ISE	Mar09	7.00	Put	1	0.06	0.055	0.005	DLY
DELL	1:15:36 PM	CBOE	Apr09	7.00	Put	100	0.20	0.210	-0.010	DLY

Enable Split Grid Mode:

Right-click the mouse anywhere in the Option Time and Sales window and select **Split Grid Mode**.

Alternate Methods:

- From the **Config** menu select **Split Grid Mode**.
- From the **Configuration** window, miscellaneous tab, check **Split Call/Put Grids**.

Disable Split Grid Mode by repeating the same procedure.

Switch to Equity Mode

Option Time and Sales can be changed to **Equity Time and Sales** with a simple command.

Click on the Equity Time and Sales icon or right-click the mouse anywhere in the Option Time and Sales window and select **Switch to Equity Mode**

Configure Option Time and Sales

Grid styles, color conditions, header styles and other features can be configured through the Configuration window.

View the Configuration Dialogue

Select the configuration icon .

Alternate Methods:

- Right-click the mouse anywhere in the Option Time and Sales window and select **Configuration**
- From the **Config** menu, **Configuration**

Configure Grids

The first four tabs in the Configuration window are used for defining grid styles, row color conditions, and column header styles for the following:

- **Time and Sales Grid**
- **Call Grid**
- **Put Grid**
- **Detail Grid**

To learn more about grid setup see **Columns and Formatting.**

Note: Option Time and Sales must be in **Split Grid Mode** in order to configure the **Call Grid** and **Put Grid** configuration screens.

Miscellaneous Configurations

On the **Miscellaneous** page are a number of Option Time and Sales functions. Check the box to select/deselect a specific function.

Track Symbol—If checked, the underlier in Option Time and Sales will match that of another WTP applet. Learn more about tracking symbols **here**.

Send notification when ticks match filter— An audible signal (set up in **Global Configuration**) will sound when data in Option Time and Sales matches a defined filter.

> **Only one notification per product**— If checked, the audible notification will sound only once per each underlier that matches a defined filter.

Show Summary Grid—Check/uncheck to show/hide the Summary Grid

Show Detail Grid—Check/uncheck to show/hide the Detail Grid

Consolidated Mode—Check/uncheck to have the Primary Grid in/out of consolidated mode

Split Call/Put Grids—Check/uncheck to display/not display the Primary Display in separate grids for puts and calls.

Issue/Cancel Orders from Option Time and Sales

A new order can be initiated from Option Time and Sales. The **Order Ticket** will appear.

Open (unfilled) orders can also be canceled, either collectively, or individually by symbol

Issue an order

Right-click in the Option Time and Sales window and select **Order Ticket**.

Alternate Methods:

- From the **Action** menu select **Order Ticket**
- Type **Ctrl +n**

Cancel all open orders

Right-click in the Option Time and Sales window and select **Cancel All Orders**

Alternate Method:

From the **Action** menu select **Cancel All Orders**

Cancel all open orders for a specific symbol

Right-click in the Option Time and Sales window and select **Cancel All For Symbol: *xxx*** (where xxx is the symbol name)

Alternate Methods:

- From the **Action** menu **Cancel All For Symbol: *xxx***
- Type **Ctrl +z**

Export Grid Data

Grid data in Option Time and Sales can be exported to a file, clipboard, or Microsoft Excel spreadsheet.

Learn more about exporting grid data **here**.

Templates

Templates for Option Time and Sales can be opened, saved, or saved as a default. If all the characteristics of the Option Time and Sales display are desirable, saving the display as a template saves all previously defined parameters.

Option Time and Sales templates are saved with a **.tas** extension.

Learn more about templates and how they're used in WTP **here**.

Printing

The data in Option Time and Sales can be printed.

Learn about the printing feature **here**.

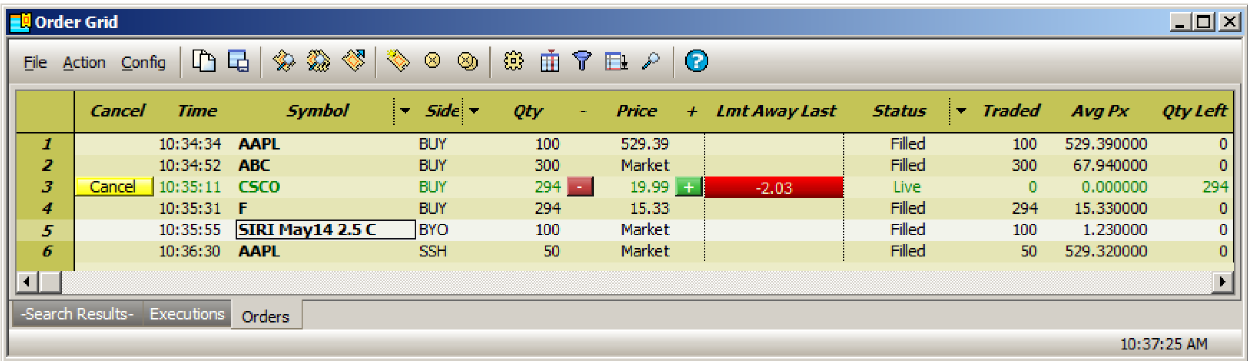
Condition Codes

Value	Description
REGULAR	Indicates that the transaction was a regular sale and was made without stated conditions.
CANC	Transaction previously reported (other than as the last or opening report for the particular option contract) is now to be canceled.
OSEQ	Transaction is being reported late and is out of sequence; i.e., later transactions have been reported for the particular option contract.
CNCL	Transaction is the last reported for the particular option contract and is now canceled.
LATE	Transaction is being reported late, but is in the correct sequence; i.e., no later transactions have been reported for the particular option contract.
CNCO	Transaction was the first one (opening) reported this day for the particular option contract. Although later transactions have been reported, this transaction is now to be cancelled.
OPEN	Transaction is a late report of the opening trade and is out of sequence; i.e., other transactions have been reported for the particular option contract.
CNOL	Transaction was the only one reported this day for the particular option contract and is now to be canceled.
OPNL	Transaction is a late report of the opening trade, but is in the correct sequence; i.e., no other transactions have been reported for the particular option contract.
AUTO	Transaction was executed electronically. Prefix appears solely for information; process as a regular transaction.
REOP	Transaction is a reopening of an option contract in which trading has been previously halted. Prefix appears solely for information; process as a regular transaction.
AJST	Transaction is an option contract for which the terms have been adjusted to reflect a stock dividend, stock split, or similar event. Prefix appears solely for information; process as a regular transaction.
SPRD	Transaction represents a trade in two options in the same class (a buy and a sell in the same class). Prefix appears solely for information; process as a regular transaction.
STDL	Transaction represents a trade in two options in the same class (a buy and a sell in a put and a call). Prefix appears solely for information; process as a regular transaction.
STPD	Transaction is the execution of a sale at a price agreed upon by the floor personnel involved, where a condition of the trade is that it reported following a non-stopped trade of the same series at the same price.
CSTP	Cancel stopped transaction.
BWRT	Transaction represents the option portion of an order involving a single option leg (buy or sell of a call or put) and stock. Prefix appears solely for information: process as a regular transaction.
CMBO	Transaction represents the buying of a call and the selling of a put for the same underlying stock or index. Prefix appears solely for information; process as a regular transaction.

SPIM	Transaction was the execution of an order which was “stopped” at a price that did not constitute a Trade-Through on another market at the time of the stop. Process like a normal transaction except don’t update “last”.
ISOI	Transaction was the execution of an order identified as an Intermarket Sweep Order. Process like normal transaction.
BNMT	Transaction reflects the execution of a “benchmark trade”. A “Benchmark Trade” is a trade resulting from the matching of “Benchmark Orders”. A “Benchmark Order” is an order for which the price is not based, directly or indirectly, on the quote price of the option at the time of the order’s execution and for which the material terms were not reasonably determinable at the time a commitment to trade the order was made. Process like a normal transaction except don’t update “last”.
XMPT	Transaction is Trade Through Exempt. The transaction should be treated like a regular sale.

Order Grid

The Order Grid allows you to manage live orders and view details on all open, executed, and canceled orders. Once an order is sent from an **Order Ticket** (or any order-sending applet including **Basket Trader**, **Managed Orders,** or **Allocator** among others) it can be manipulated, have its status checked, and provide other information.



Launch Order Grid

From the WTP Toolbar select **Manage--> Order Grid**.

Alternate Method:

From the WTP menu select **Order Grid**.

Grid Modes

The Order Grid is displayed in one of three modes:

- **Order**—one row in the grid for each order
- **Execution**—one row for each execution
- **Event**—one row for each event and can be filtered by event type

See **Order Grid Configuration** for details on setting the Grid Mode.

Executions and Orders

On the left side of the Order Grid are two configurable tabs: **Executions** and **Orders.** (Learn more about adding and customizing tabs **here**.)

Executions—Pressing this tab reveals all filled orders.

> **Note:** Filled or rejected orders can not be canceled from the Executions grid

Orders—Information about orders. The columns displayed in the grid are fully selectable.

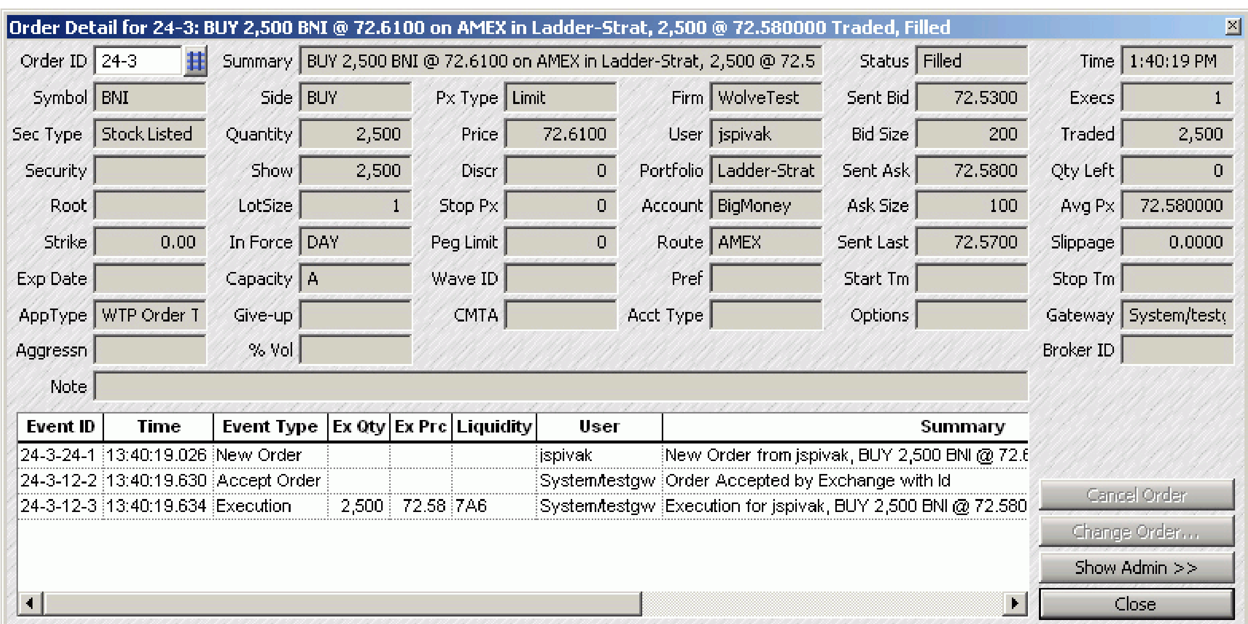
Show Order Detail

To bring up the **Order Detail** screen:

Select the **Show Order Detail** icon .

Alternate Method:

Double-click on any row in the Order Grid to bring up the **Order Detail** screen:



The Order Detail screen presents **read-only** information related to selected order in the Order Grid. The **Summary** field describes the order parameters.

The Order ID Field

To view the order detail of another order without closing the window, enter its number in the **Order ID** field.

Track Symbol Selection

When Toggle Symbol Tracking is enabled the Order detail screen will change its symbol to match the symbol featured in another WTP applet.

Learn about toggle symbol tracking **here**.

Order Administration

Press the **Show Admin >>** button to reveal additional options.

Note: Only WEX Technical support can issue Order Administration functions.

- **Manual Execution**—This command is used if an order was filled and the executing broker called with a price adjustment or if an order was not filled and the execution broker instructs the Operations desk to fill it.

- **Move to Portfolio**—When selected, a window opens with a drop-down list of all available portfolios to which orders can be moved. Select a portfolio and click **Move To Portfolio**. Click **OK** in the confirmation window.

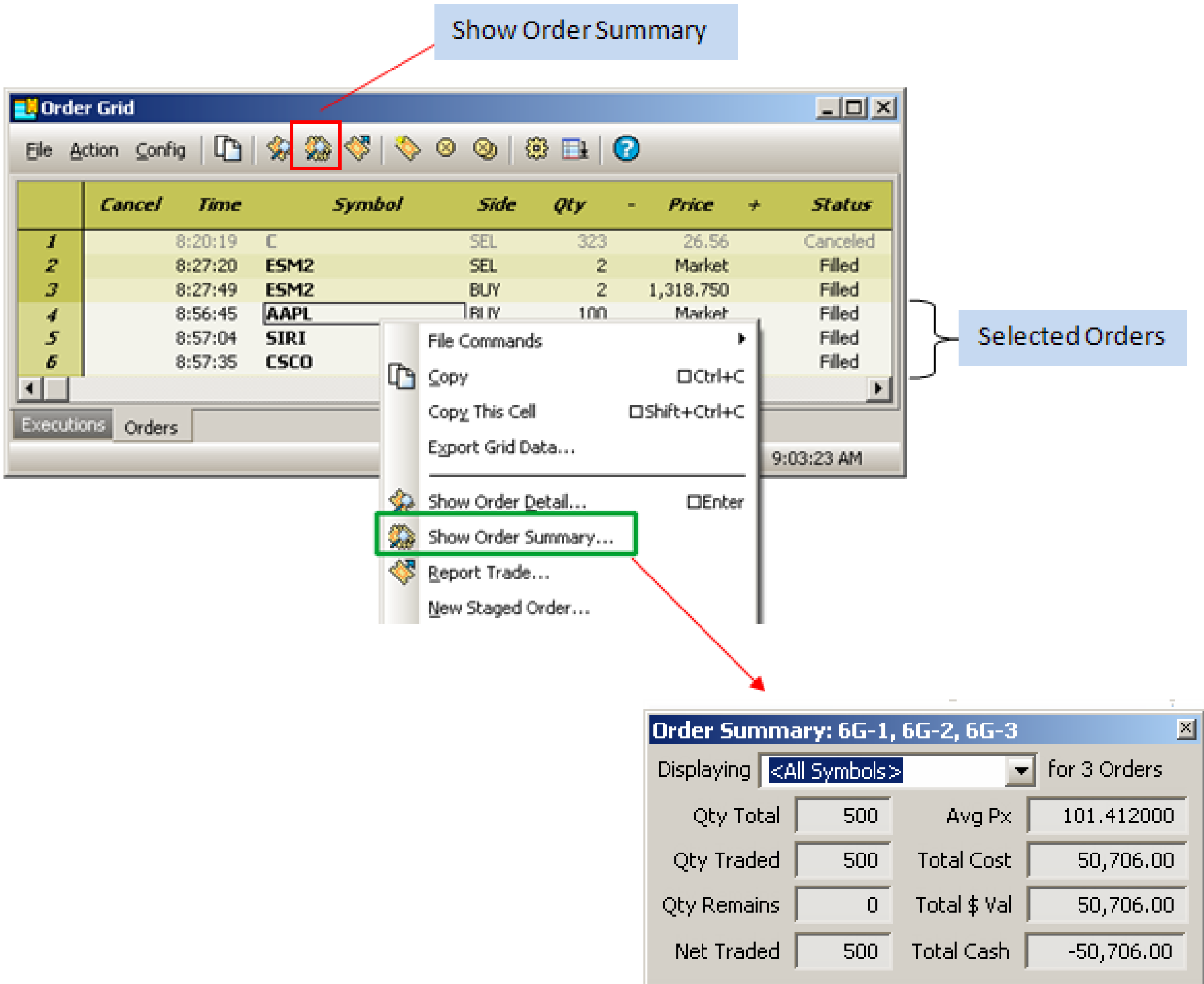
  Check the **Show Portfolios for other Firms** box to have the portfolios of other firms available in the drop-down list.

- **Manually Kill Order**—This option kills an unfilled order.

- **Bust Selected Execution**—If a trade was executed in error, or if a price adjustment was made, the order can be eliminated entirely from WTP. As a follow-up to a busted order, in most cases the order would be manually executed so a client would see the corrected price and not a duplicate of the previous order.

- **Show Account Info**—When selected, **Account Type, Description,** and other account information is displayed in a read-only window.

Show Order Summary



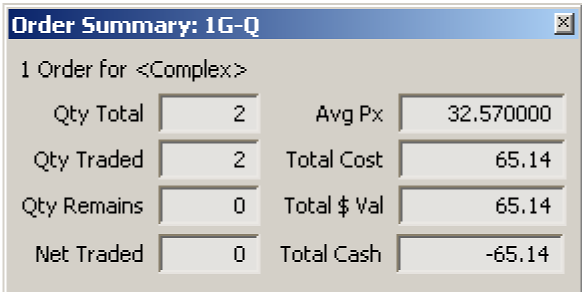
View summary totals of a group of orders by multi-selecting several orders (select the first order, then <ctrl> click on the next order, etc.) and then selecting the **"Show Order Summary"** icon from the Order Grid menu or right-clicking on the Order Grid and choosing "Show Order Summary." An Order Summary window will display the aggregate quantity traded, average price, total dollar value traded of the selected orders.

Total Cash is defined as the sum of the executed values with respect to Buy and Sell. The formula for computing Total Cash is as follows:

Total Cash = Price x Quantity x {-1 if BUY, +1 if SELL} x Lot Size

For spread orders, the **Net Traded** field reports on the executed quantity of each leg of the spread.

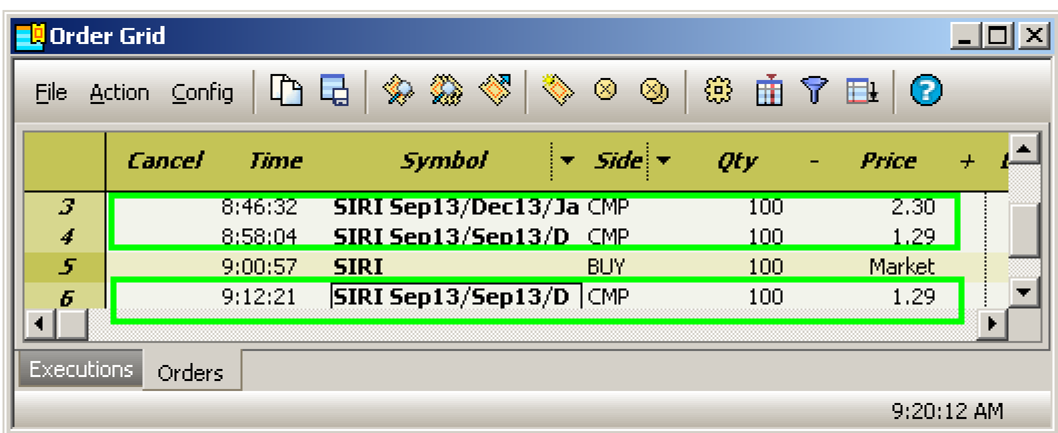
In the Order Summary window below, a two-leg spread where one side is BYO and the other is SLO with the same ratio, the order yields a net traded value of zero:



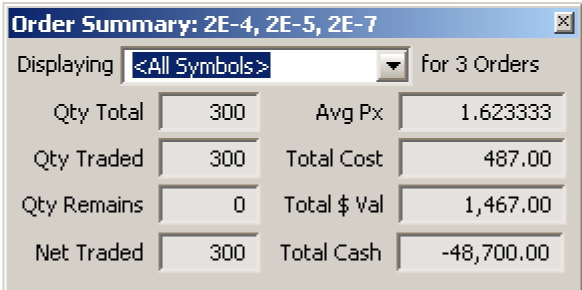
The value displayed in the Net Traded field is dependent on the order type and is calculated as follows:

Order Type	Net Traded Calculation
Outright Equities/Options	Order Quantity
Spread with 2 option legs, same ratio, opposite sides	0
Spread with 2 option legs, different ratio, opposite sides	Quantity of spread x difference of the ratios
Spread with 2 option legs, opposite sides	Quantity of spread x sum of the ratios
Spread with 1 equity and 1 option leg	Quantity of spread x difference of the ratios

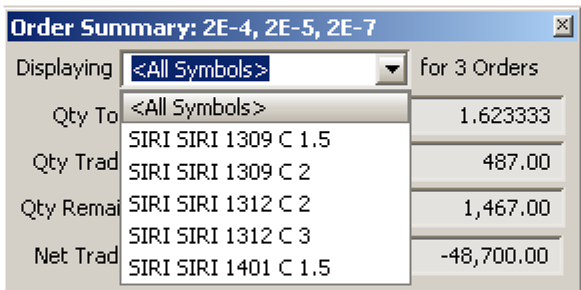
View Average Leg Price Across Multiple Spreads with Show Order Summary



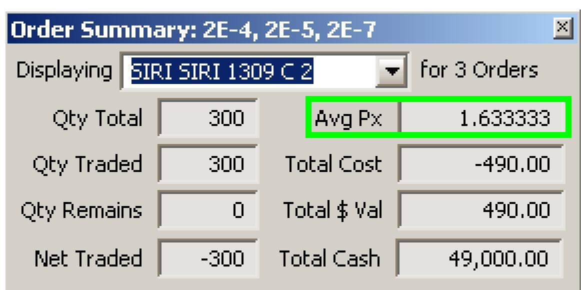
Three filled spreads selected in Order Grid.



Order Summary for all selected orders.



Drop-down list allows for the selection of individual legs.



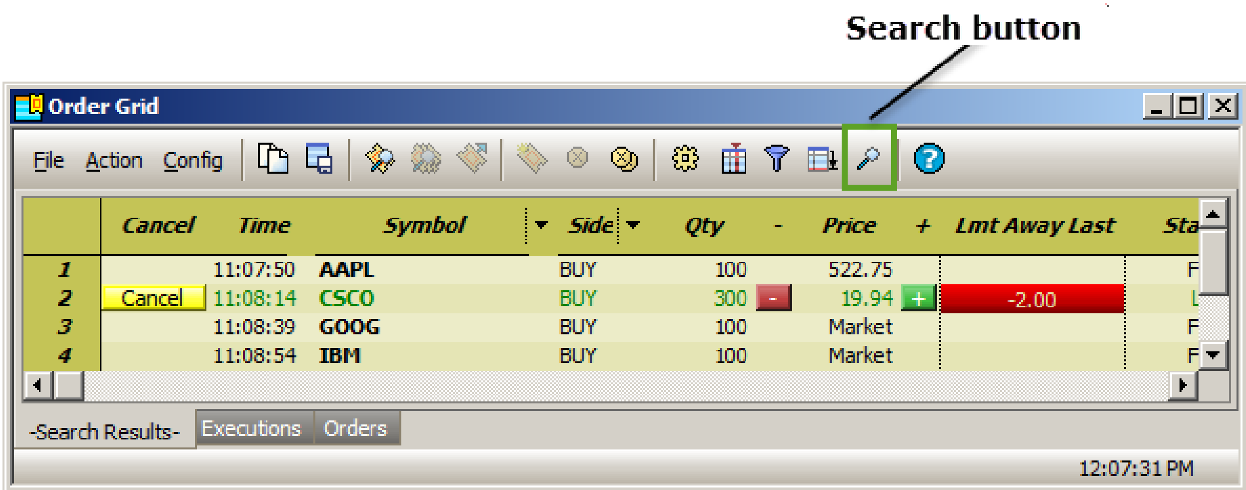
The selected leg appears in 3 orders. The average price per leg is displayed.

The average leg price across multiple spreads can be viewed in the Order Summary window.

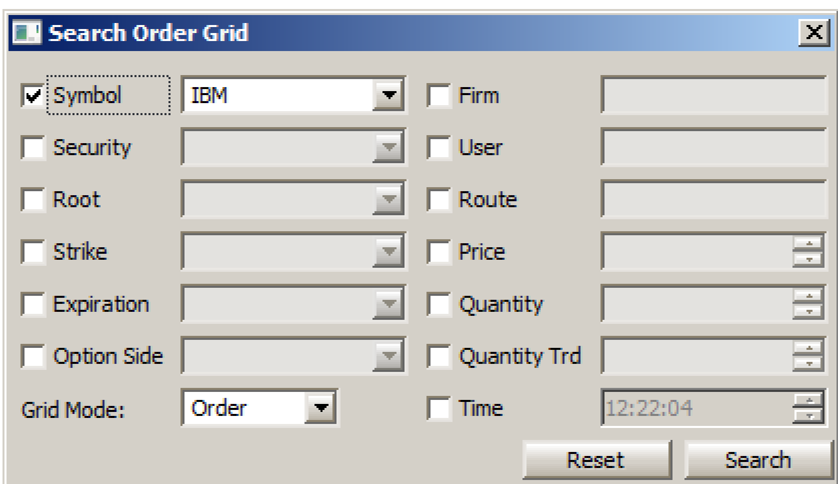
1. Select multiple orders and press the Order Summary button .
2. From the **Displaying** drop-down list, select a specific leg. The summary will include the average price per leg.

By default, the Order Summary will display **<All Symbols>** when selected.

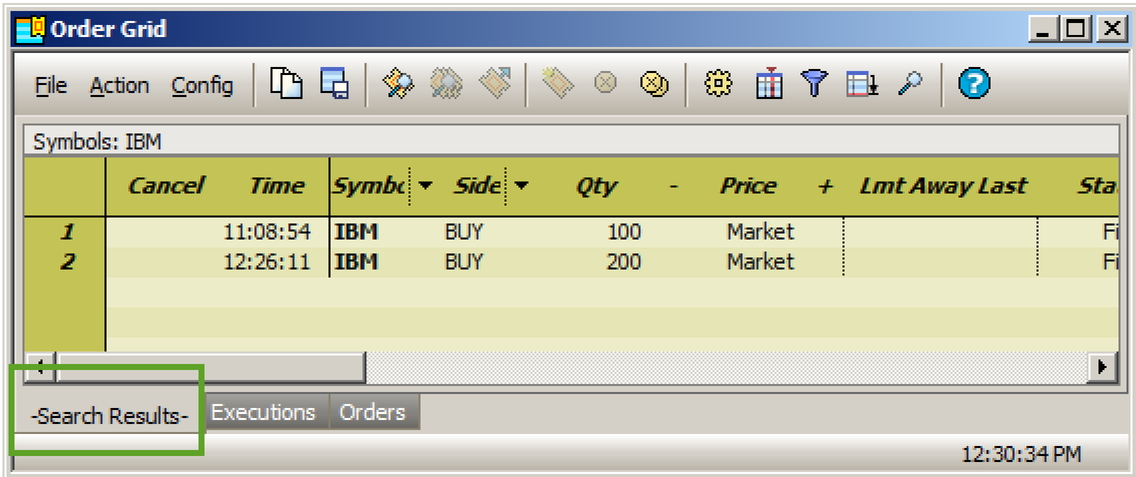
Search Order Grid



Select the search button to launch the Search Order Grid window:



Enter search parameters and press Search**.**



Search Results ***tab opens and displays found items.***

The search command allows for the searching of various parameters for all items listed in the grid.

Launch the Search Auto Grid by selecting the search button or by entering ctrl + f.

A few things to note about the search feature:

- Only a single item in each search field is allowed.
- The reset button clears all fields in the Search Order Grid window.
- Select meta data can be searched without the need for any corroborating fields (i.e., a search for strike price or expiration can be accomplished without entering a symbol or security).

Cancel Orders

Orders in the Order Grid that have not filled can be canceled. While an order is displayed in the Order Grid press the **Cancel** button to cancel the order.

Cancel All Orders

All unfilled orders can be canceled. In the Order Grid click the right mouse button and select **Cancel All Orders.** All orders in the grid will be canceled.

Cancel Selected Orders

Selected unfilled orders can be canceled. To select a single order click on the order in the grid. To select multiple orders press the **Ctrl** key for each order selection.

Press the **Cancel Select Orders** icon .

Alternate Methods:

- Press **Ctrl +x**
- Select **Cxl Selected Orders** from the context menu (by clicking the right mouse button)

Cancel Matching Orders

Unfilled orders with similar attributes (i.e., same symbol, same portfolio) can be canceled.

To cancel matching orders:

1. Click the right mouse button anywhere in the Order Grid and select **Cancel Matching Orders.**
2. Select the type of matching order to cancel:
   Cancel all for symbol (symbol name)

   Of Side (example: BUY)

   To Route

   In Account

   In Portfolio

   From User

   In Wave

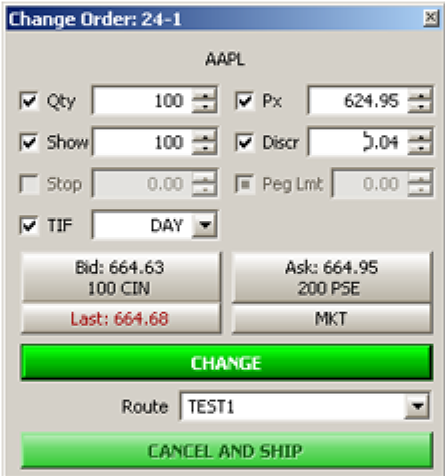
Cancel Staged Orders

Canceling a staged order is a two-step procedure. The column **Stage: Kill** will have to be added to the **Order Grid** and it is found in the **Order Grid configuration→Columns and Formatting→Staged Order Fields**. Alternate methods for adding the Stage:Kill column are found **here**.

1. Press the **Cancel** button is on the row with the Staged Order. The **Stage: Kill** button will appear in the **Stage: Kill** column.
2. Press the **Stage: Kill** button. A confirmation window will have to be acknowledged before the staged order is finally canceled.

Note: The **Stage: Kill** button appears whenever a staged order is in a pending canceled state, *and* both **Cancel** and **Work Staged Order** permissions exist in the portfolio.
Learn more about Staged Orders **here**.

Change Selected Orders



There are a number of methods for changing a live, unfilled, order:

1. Via the **Change** button. The Change button to the Order Grid as a column. Use the **field chooser** to add the Change button to the Order Grid. When Change is selected, the **Change Order Window** (above) launches.

2. Select one or more unfilled orders, then right-click and choose **Change Selected Orders-->** *(list of proposed changes)***.** To launch the Change Order Window, select **Other**.

3. Same as #2, but instead of right-clicking, go the **Action** menu and choose **Change Selected Orders-->** *(list of proposed changes)***.** To launch the Change Order Window, select **Other**.

Save changes by selecting the **Change** button in the Change Order Window.

Three States of the Check box

The check boxes for **Show**, **Discr**, and **Peg Lmt** in the Change Order window can be in one of three states:

- **Checked**—The value will be applied to the change order
- **Unchecked**—The value will be cleared (i.e., unset)
- **Indeterminate**—The check box displays with a centered black square indicating that value should be ignored (no changes made)

Options Columns

Options columns featuring Underlier, Root, Strike Price, Expiration Date, and Option Side can be displayed in the Order Grid.

To display options columns:

- Select the **Options Columns** button 

  Alternate Methods:

- Right-click in the grid and select **Show Options Columns**
- In the **Configure Order Grid** screen, check the box **Show Options Columns**

Increment Prices on Live Orders

The current price of a live order can be increased or decreased in Order Grid via the **"+"** or **"-"** buttons or **"Fade In"** and **"Fade Away"**.

The columns to add +/- and Fade In/Fade Away are found under **Order Fields** in either the configuration window of Order Grid or by right-clicking on any column head and selecting **Insert Column-->Order Fields-->**.

The Fade In/Fade Away buttons work in a similar fashion to the **+/-** buttons with a couple of exceptions:

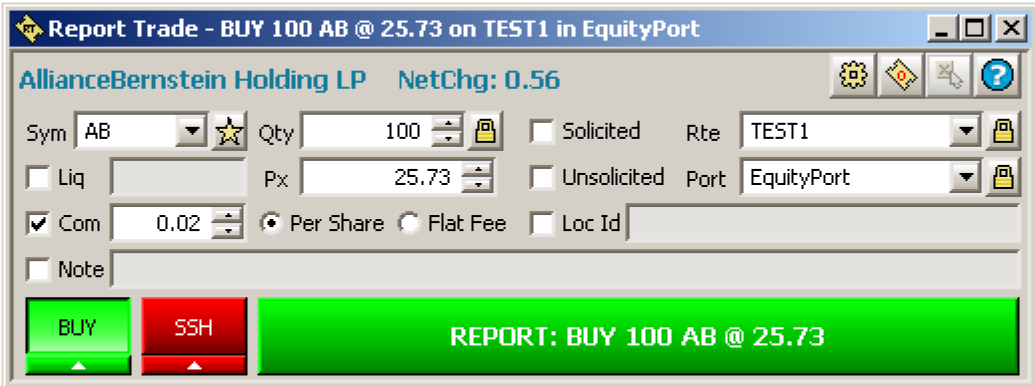
- Fade In/Fade Away can be used for multiple live orders.
- With "**+**" the buy/sell prices move higher. With "**-**" the buy/sell prices move lower.

  The actions of Fade In/Fade Away are described below:

COMMAND	LIVE ORDER (BUY)	LIVE ORDER (SELL)	RESULT
Fade In	Increases price 1 increment at a time	Decreases price 1 increment at a time	The buy price moves higher, the sell price moves lower (everything becomes more marketable).
Fade Away	Decreases price 1 increment at a time	Increases price 1 increment at a time	The buy price moves lower, the sell price moves higher (everything becomes less marketable).

Note: The price increment is normally $0.01 but can be any value when defined in **Global Configuration**.

Report Trade and the Report Trade Ticket



The Report Trade command opens a special **Order Ticket** that is configured to send **external orders**. An external order is recognized by WORMS as trading activity performed outside of the system. An external order is never sent to an exchange (though it affects a position), but it is recorded in the WORMS system. External Orders are used commonly when a trader performs an execution on the trading floor and returns to WTP to report the execution to the system.

To learn about the standard WTP Order Ticket click **here**.

Launch Report Trade Ticket

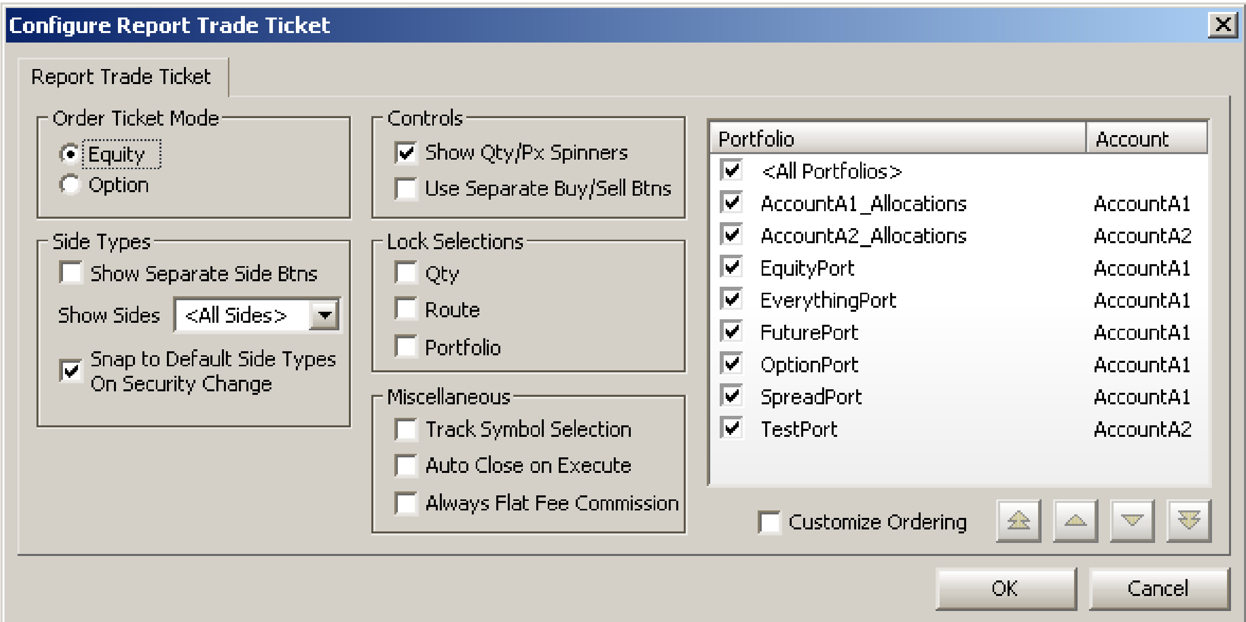
Press the **Report Trade Ticket** icon in the Order Grid **.**

Alternate Methods:

- From the **Action** column select **Report Trade Ticket**
- Right-click in the Order Grid and select **Report Trade Ticket**
- Add the **Report Trade** column to the Order Grid (via Order Grid Configuration/Columns and Formatting/Launch Button Fields).

  This method places a Report Trade button on each line of the Order Grid, allowing for a one-touch selection to launch the Report Trade Ticket.

Configure Report Trade Ticket



The Report Trade Ticket has its own configuration page. To open it, click the configuration icon on the Report Trade Ticket.

Option to Always Use Flat Fee Commission

The configuration window is similar to the standard WTP Order Ticket with one exception, the default option to **Always Use Flat Fee Commission.** The Report Trade Ticket defines whether a **per-share** or **flat fee** commission is paid. If the Always Use Flat Fee Commission is checked, the per-share option will be not be available in the Report Trade Ticket.

Customize Ordering of Portfolios

See **Customize Ordering** in the Order Ticket to learn how to place portfolios into a preferable order

Force Live Orders to Bottom

This function displays all live (unfilled) orders at the bottom of the Order Grid.

Select the **Force Live Orders to Bottom** icon .

Alternate Method:

With the right mouse button, click anywhere in the Order Grid and select **Force Live Orders to Bottom.**

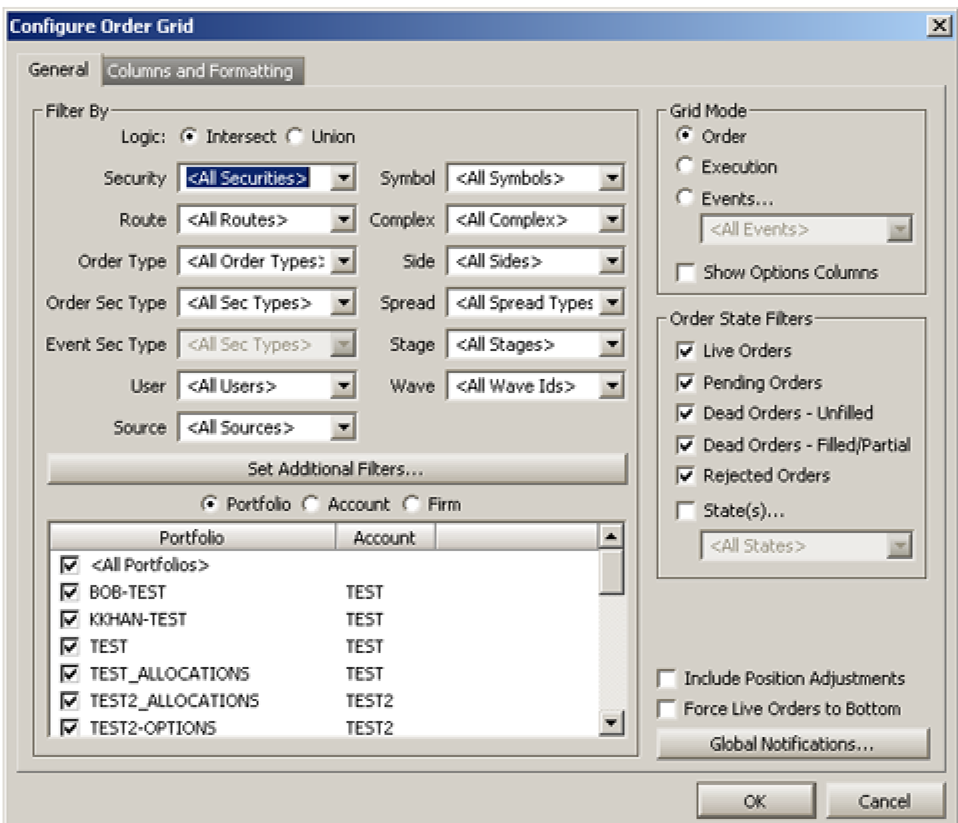
Move to Portfolio

Filled orders in the Order Grid can be moved to a different portfolio. The original order's state will be changed to **Replaced** and a new matching order will be placed in the selected portfolio. A replaced order does not affect positions.

To move an order to a different portfolio:

1. Select an order in the Order Grid
2. Click the right mouse button and select **Move To Portfolio**
3. Press the **Move To Portfolio** button
4. Click **OK** in the confirmation window and the order will be placed in the selected portfolio

Order Grid Configuration



Filter By

The data displayed in Order Grid is filtered by one of two selectable methods:

- **Intersect—**Order Grid will display all orders that match the Security Name, Security Type, User, Side, etc., i.e., orders that match **all** of the selected filters.
- **Union—**Order Grid will display all orders that match the Security Name or Security Type, or User, or Side, etc., i.e., orders that match **any** of the selected filters.

Display Items in Order Grid

Each drop-down list allows you to configure the items that will be displayed in the Order Grid. Click the down arrow on an item and check/uncheck the content listed in each filter.

Press the **Set Additional Filters** button to bring up the **Conditions** window. This window works in the same manner as the **Set Row Color Conditions** window.

Select either **Portfolio, Account,** or **Firm** to be displayed (only one can be selected).

The **Grid Mode** selections allow you to display **Orders, Executions**, or **Events**. If Order is selected, you will not be able to select the **Event Sec Type** filter. You must select **Execution** in order to select an **Event Sec Type**. With the **Events** selection you can choose one or more events to display. To view all events, select **<All Events**>**.** Check **Show Options Columns** to add options-related columns in the Order Grid.

Check the appropriate boxes next to the **Order State Filters** to view an order's various states. To selectively display certain order states, check the **State(s)** box and check the desired state boxes from the drop-down list. To display all states, check the **<All States>** box.

Check **Include Position Adjustments** to display changes in position in the Order Grid.

Check **Force Live Orders to Bottom** to have the Order Grid move live (unfilled) orders to the bottom row(s) of the grid.

The **Global Notifications** button opens up the **Global Configuration** window in the **Notifications** tab.

Filter Staged Orders

Staged Orders represent a user's intent to trade a given number of shares/contracts/spreads over the course of a day. New orders placed during the day for the staged symbol count towards reducing the number of shares/contracts/spreads to be traded. Each new order is considered a *child* of the original staged order in WTP.

Order Grid can display all or specific stages of a staged order,

Select **<All Stages>** to view all stages of staged orders. Alternately, select the stages to be viewed from the drop-down list.

Show Staged Orders

Staged orders can be displayed exclusively, with other orders, or not at all in the Order Grid.

To view staged orders exclusively, check the **Staged Orders** box.

To view staged and other orders, check the **Staged Orders** box until it is grayed out with the check mark showing (see image above).

Leave the **Staged Orders** box unchecked if staged orders are not to be displayed.

Learn how to create a **Staged Order** **here**.

Columns and Formatting

For general information on Columns and Formatting, grid styles, colors, and more click **here.**

Columns for Staged Orders

The available columns in Order Grid specific to Staged Orders:

Stage: Detail When selected, the details of a staged order are displayed in a separate Order Grid. All orders relating to the Staged Order are displayed.

Stage: Release When selected, an Order Ticket launches. The Quantity field will automatically
be populated with the quantity necessary to fill the staged order. However, this quantity can be manually adjusted to a lower value. When the order fills, the quantity that was defined will be deducted from the remaining quantity of the Staged Order.

Stage: Accept By default, a Staged Order is in a "Live" status when it is created. If it is desirable, a Staged Order can have its status defined as "Pending". When in the pending state, the Staged Order is, in effect, "in limbo", so that no shares can be released. (See **Release Notes 13.3.20.0** to learn how to create a Staged Order with a status of "Pending".) A Staged Order in the pending status can be changed to the live status with the Stage: Accept command. The column Stage: Accept must be placed in the Order Grid. On the row with the pending Staged Order, select Stage: Accept. The pending status will be changed to "live."

Stage: Reject This command is the opposite of Stage:Accept. A Staged Order in the "pending" state can be rejected. Select the Stage: Reject button in the row with the pending Staged Order and select OK in the confirmation window. Note that a Staged Order with a "live" status cannot be rejected.

Stage: Cancel Children Orders to release a Staged Order are considered "child" orders of the original order. These child orders can be canceled as long as they have not been filled. Add the **Stage: Cancel Children** column the Order Grid. Select the Stage: Cancel Children button on the row with the live child order then click OK in the confirmation window to cancel the order.

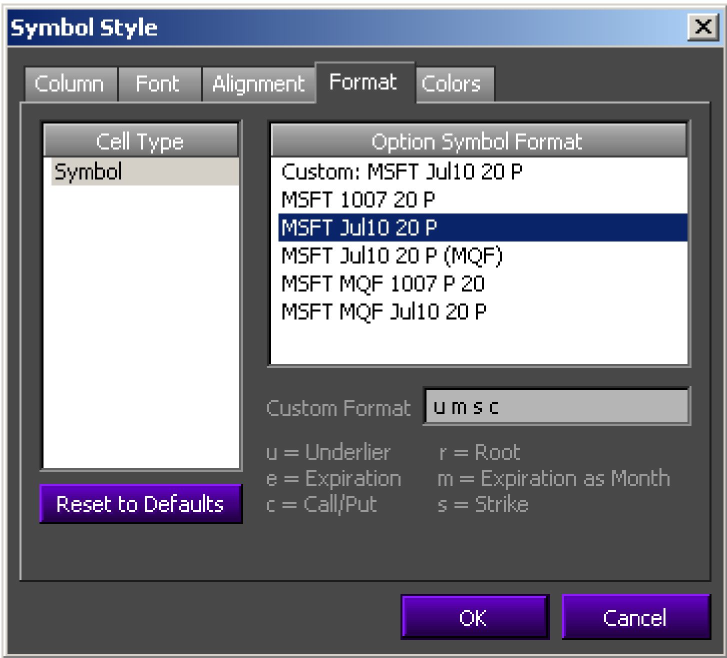
The TICKET Column

The Ticket column places a Ticket button on all rows of Order Grid. When selected, an Order Ticket launches.

When used in conjunction with a Staged Order, the button also opens an Order Ticket. Orders placed will reduce the staged order amount.

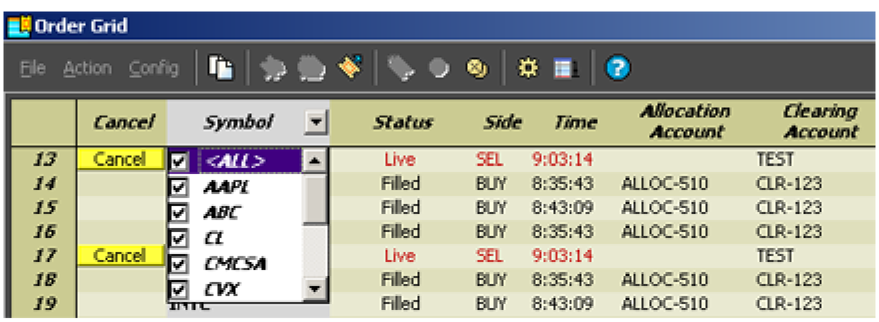
Format Option Symbols in the *Symbol* Column

If the column called **Symbol** is added as an available column in the Order Grid, that column can be configured to customize the format of an Option's order.



1. Open the configuration window. Click the **Columns and Formatting** tab.
2. If the column called **Symbol** has not been added as a visible column, do so before continuing.
3. Press **Set Column Style**. The window will open (above).
4. Select one of the listed formats and press **OK**. A **custom format** can also be defined. Select **Custom:** and enter the format in the **Custom Format** field.

Filter Data in Order Grid Columns



A number of columns in **Order Grid** can be configured to filter its displayed data.

Through drop-down lists (as in the Symbol column above), selections are made as to which data shall appear in the column.

The columns in which data can be filtered are:

- Application (i.e., which WTP applet was used in creating the order)

- Option components (Root, Option Side, Underlier, Strike, Expiration, Security Type)
- Route
- Status
- Symbol

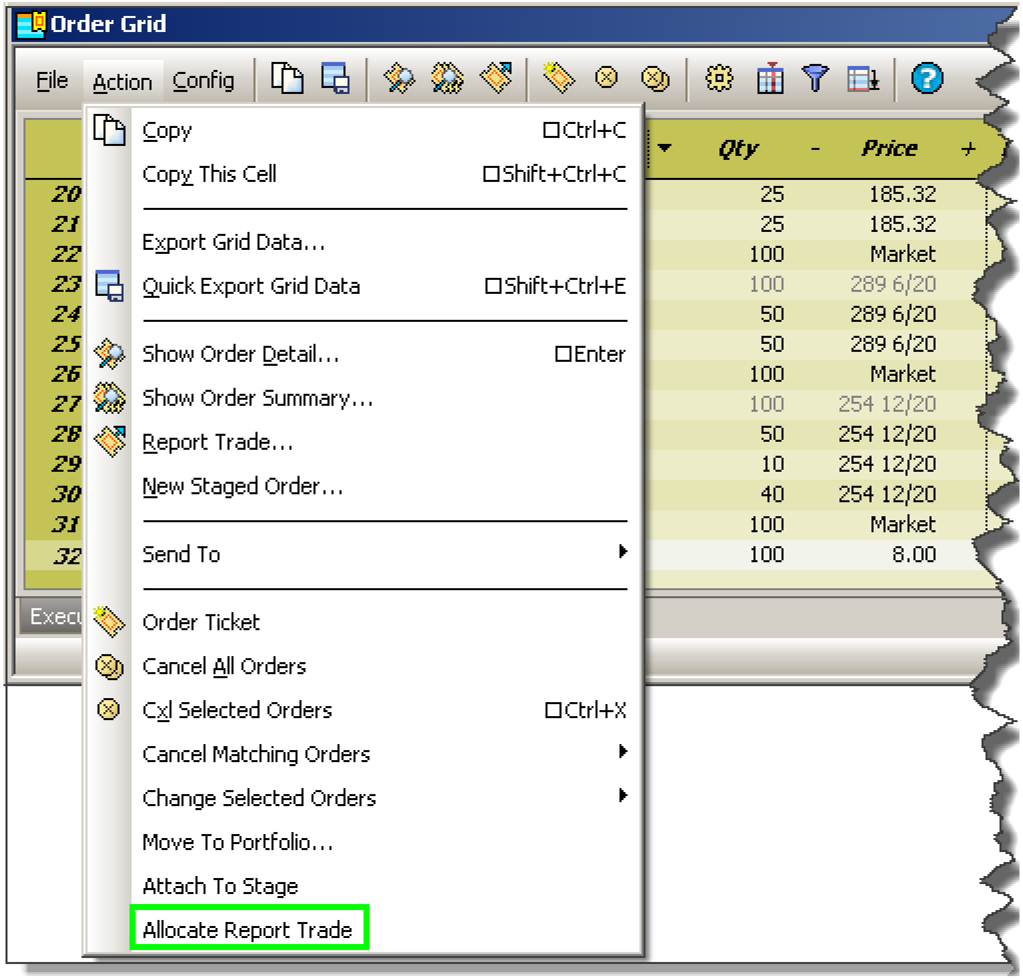
Export Order Grid Data and Global Notifications

Click **here** for exporting grid data directions and **here** for global configuration directions.

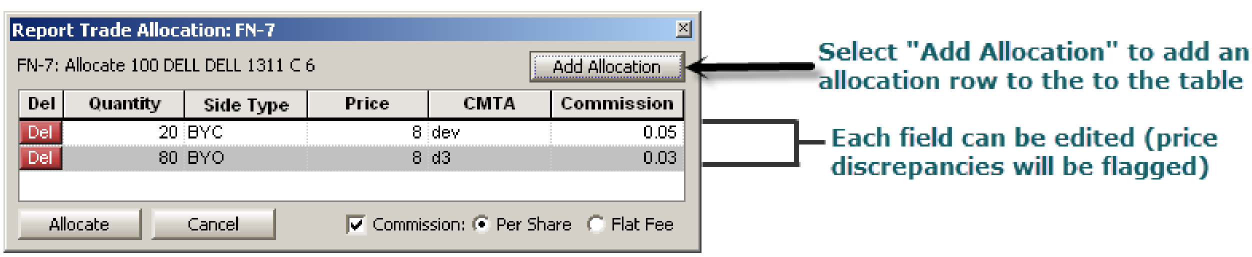
Allocate Report Trade

Filled orders that have been reported with the **Report Trade Ticket** can have their quantities and other related values allocated as desired.

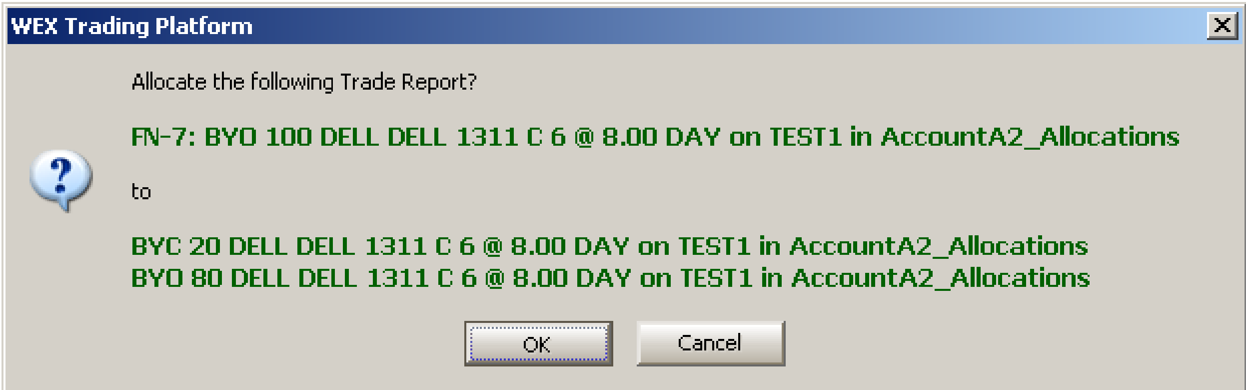
In the example below, a filled 100-share option order was reported. Selecting **Allocate Report Trade** launches the **Report Trade Allocations** window. In the first line, a quantity of 20 shares is defined with associated side type, price, CMTA value, and commission price. The second line (80) refers to the quantity available for allocation after the first line has been input.



After reporting a trade (with the Report Trade Ticket), select Allocate Report Trade *to define allocations.*



Two allocations have been created from the original quantity of 100 shares (20 and 80 respectively). Note that different side types, CMTA, and Commission values have been defined.



Confirmation window summarizes the report trade allocation.

Allocate Report Trade

1. Select a filled order from the Order Grid.

2. From the **Action** menu select **Report Trade**. The **Report Trade Ticket** launches.

   Alternate Method:

   Right-click on row containing the filled order and select Report Trade.

3. Once the report trade has filled, a new row will be added to the Order Grid. Select this row.

4. From the **Action** menu select **Allocate Report Trade**. The **Report Trade Allocation** window launches.

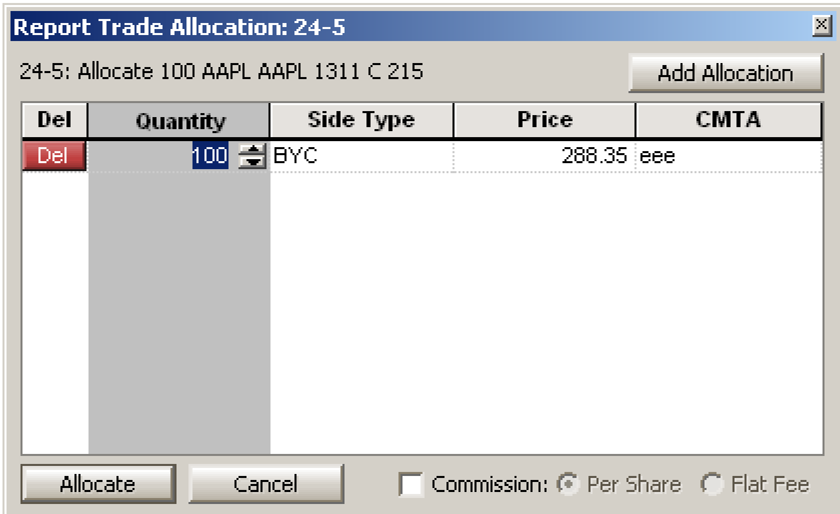
   Alternate Method:

   Right-click on the row containing the reported trade and select Allocate Report Trade.

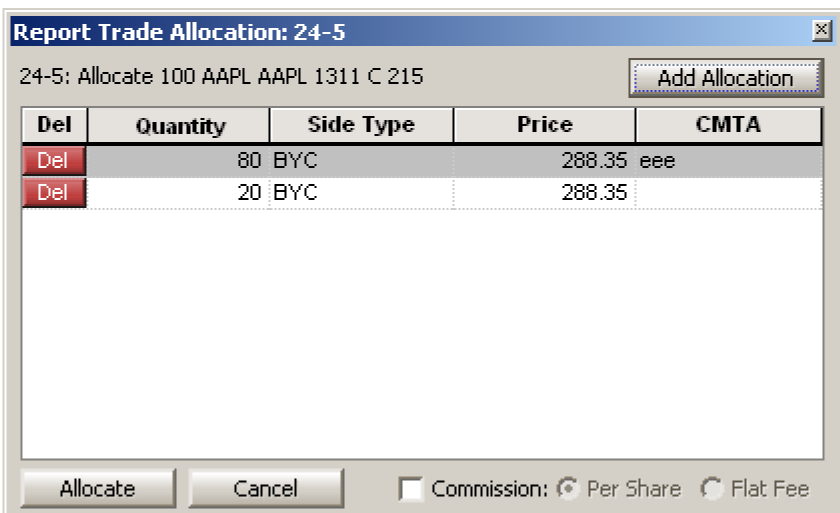
5. The first row in the Report Trade Allocation window will contain, as a minimum, the order quantity, side type and price. The CMTA and Commission values will also be displayed if they were part of the order.

   Each field in this window is editable. If a commission is to be added, check the **Commission** box and select **Per Share** or **Flat Fee**. Enter the Commission value in the Commission field. If a **CMTA** identifier is required, it can be manually entered as well.

   If the order **Quantity** is to be split into two or more allocations, select the Quantity field and define the first quantity either by entering the value directly, or with the up/down spinner arrows. Press **Add Allocation** to add a new row to this table. For example:



Quantity field selected showing initial quantity of 100.



Initial quantity manually reduced to 80. When Add Allocation *is selected, a new row is added.*
The remaining quantity is automatically calculated (in this case 20). If desired, this value (20)or the top value (80) can be adjusted and a third row will be added to the table.

6. When satisfied with the allocations, select the **Allocate** button. A confirmation window will launch containing details of the allocations. Select **OK** to complete the report trade allocation process.

Note 1: If there is difference in price from one allocation to another, WTP will flag the discrepancy. The allocation can still commence despite the price difference.

Note 2: Multiple reported trades can be allocated in a single Report Trade Allocation window *if* the symbol, side type, route, and portfolio are identical for each order. For staged orders, the staged order parent ID must be identical for each order.

Note 3: Although a specific *side type* can be changed (for example, BYO to BYC), the side (Buy/Sell) cannot.

Note 4: The entire quantity of the reported trade must be accounted for in the sum of the allocations, otherwise the allocation cannot be completed. For example, a 100-share order cannot be allocated unless the total of all allocations equals 100.

Create a New Order

1. Select a row in the Order Grid corresponding to the symbol that is to be bought/sold.
2. Click the right mouse button and select **Order Ticket.**

   Alternate Methods:

- Press the **New Order** icon 
- Type **Ctrl +n**.

The **Order Ticket** will appear.

Create a Staged Order

Right-click in the Order Grid and select **New Staged Order**.

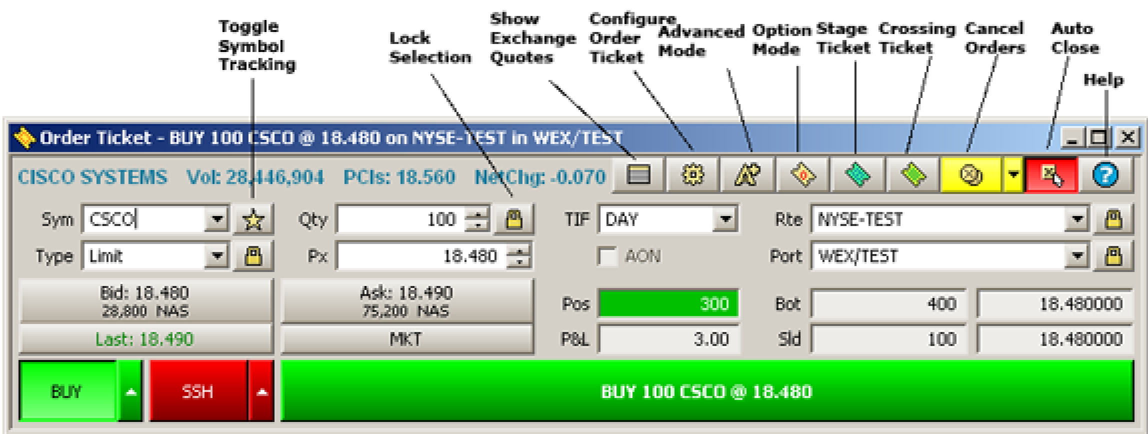
Alternate Method:

From the **Action** menu select **New Staged Order.**

A **New Staged Order Ticket** will appear.

Order Tickets

The standard Order Ticket provides traders with a platform to specify, send and execute orders. The tickets let the trader easily and quickly choose: symbol/ticker; quantity; price; trade type (e.g., market, limit, market on close, etc.); time in force (day order, fill or kill, immediate or cancel); and portfolio/account. An Order Ticket will allow a trader to choose whether he wants to buy or sell, and can be tracked (linked) to the **Equity Quote Cube**. The **Report Trade Ticket**, **Adjust Position Ticket**, and the **Staged Order Ticket** are order tickets with specifically defined roles.



Launch the Order Ticket

From the WTP Toolbar select **Trade-->Order Ticket**.

Alternate Method:

From the WTP menu select **Order Ticket**.

Issue an Order with the Order Ticket (Equity Mode)

The following fields must be filled before the Order Ticket can issue an order:

SYM— From the drop-down list select a symbol

QTY— Either the **quantity** of securities to buy/sell or select a round-number in one-hundred share increments with the up/down arrows.

RTE— From the pull-down menu select a previously-defined route for the order

PORT—From the pull-down menu select a portfolio (previously defined in the **Configure Order Ticket** window).

TIF (Time in Force)—Select one of the following from the pull-down menu:

CLS (Close) An order is executed as close as possible to the closing price of a security. All or any part of the order that cannot be executed at the closing price is canceled.

DAY A Day order is canceled if it does not execute by the close of the trading day.

FOK (Fill or Kill) If the entire FOK order does not execute as soon as it becomes available, the entire order is canceled.

GTC (Good Till Canceled) An order to buy or sell that remains in effect until it is either executed or canceled; sometimes called an "open order".

GTX (Good Till Crossing) An order to buy or sell that is canceled prior to the market entering an auction, or crossing phase.

IOC (Immediate or Cancel) Any portion of the order that is not filled as soon as it becomes available in the market is canceled.

OPN (Open) An order is executed as close as possible to the opening price of the security. Any part of the order that cannot be executed at the opening price is canceled.

TYPE—Select an order type from the pull-down menu:

Ask—places a limit order at the current best ask price
Bid—places a limit order at the current best bid price
Last—places a limit order at the current last price
Limit—places an order at a specified price
Market—places an order at the current market price
Mid—places a limit order at the midpoint between the current best ask and best bid prices
Peg Ask
Peg Bid Peg orders maintain the price of the order at the requested relative price point (not available from all exchanges)
Peg Last

Peg Mid

Px—Price is an increment for relative price types. For all orders **except Market orders,** enter the value in dollars/cents or any combination. The up/down *spinners* move in one-cent increments.

Issue an Order with the Order Ticket (Options Mode)

The Order Ticket Options Mode has additional fields that need to be addressed before an order can commence:

Sec—Equivalent to **SYM** in the Order Ticket Equity mode

Exp—Enter an expiration date for the Option (either manually or by using the up/down arrows)

Strk—Enter a strike price (either manually or by using the up/down arrows)

Call/Put—Select one

Shortcuts to Manual Inputting Bid, Ask, Mkt Amounts

Click on **Bid, Ask,** or **Last** and their respective values will be entered in the Order Ticket **Px** field.

Click **MKT** and the **Px** field will be greyed out as the value is dependent on the current market price of the security.

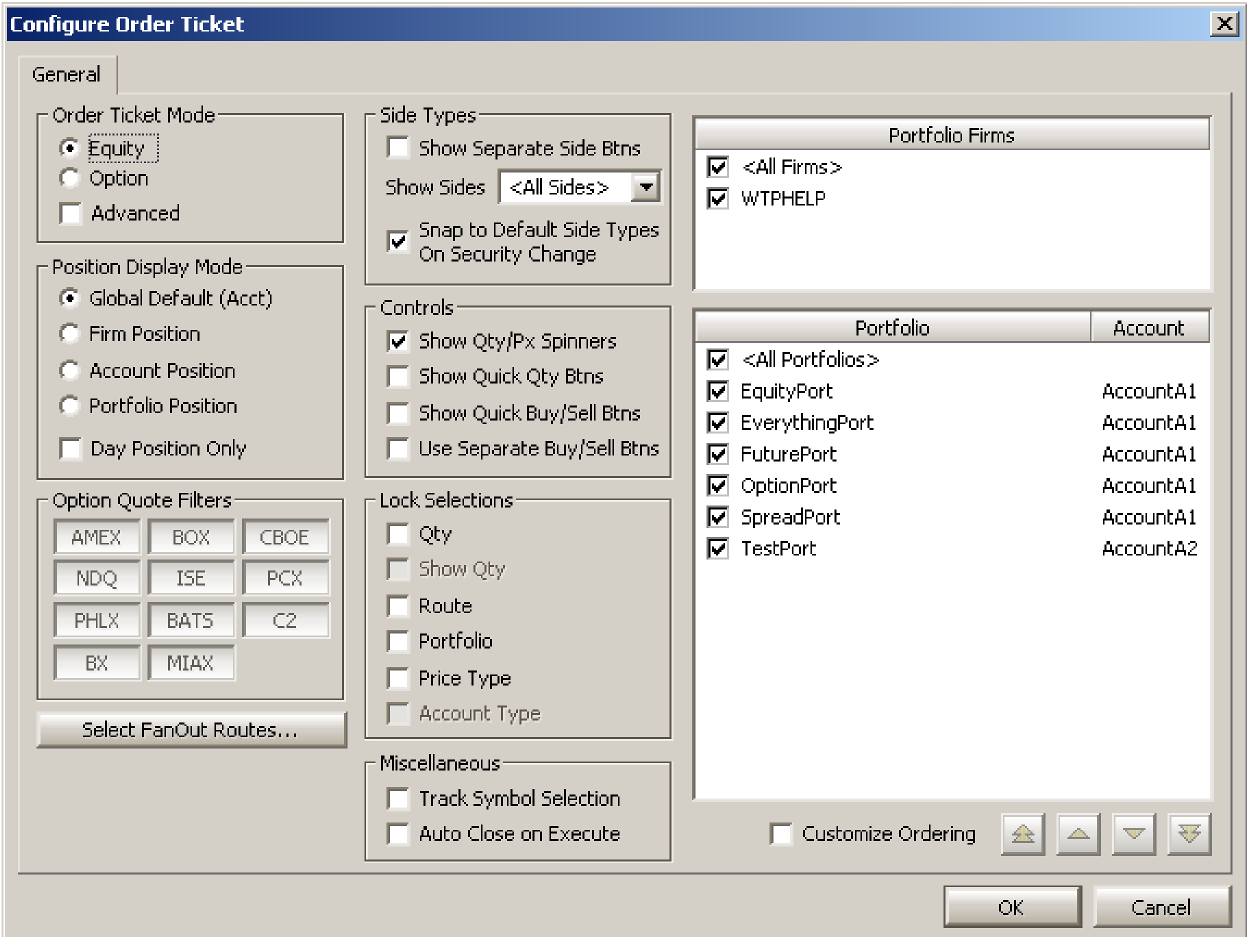
Configure the Order Ticket

Press the Configure Order Ticket icon  to bring up the configuration window.

Alternate Method:

Right-click in the blank area to the left of the Order Ticket buttons and select **Configuration**.

(**Note:** There are a few different set of options when accessing the Order Ticket in Option mode.)



Order Ticket Mode

Select the default mode when the Order Ticket opens, either **Equity or Options.** Check the **Advanced** box if it is preferable to open the Order Ticket in advanced mode.

Position Display Mode

The position field in the Order Ticket (and **Option Quote Cube** and **Equity Quote Cube** order tickets) can be configured to display one of five positions:

1. **Global Default (Acct)**
2. **Firm Position**
3. **Account Position**
4. **Portfolio Position**
5. **Day Position Only**

The Account Position reports position adjustments, while Portfolio and Day Position Only do not.

If the position is unknown or unobtainable, **"unknown"** will be displayed in the position fields.

The **Global Default (Acct)** position references the **Default Position Mode** that was selected in **Global Configuration**.

Option Quote Filters

When the Order Ticket is in **Option** mode, you may select the options exchange(s) to which quotes are received. Each Option Quote Filter selection is a toggle button. A recessed button indicates that a particular exchange has been selected. A raised button indicates that the exchange has not been selected.

Select Fan Out Routes

An order can be distributed across multiple routes (fan out routes). To setup these routes, click **Select FanOut Routes**.

Under **Route Configuration**, a security, the type of security, and the route are listed. In the **Route** column click on any cell. A drop-down list becomes available and a selection can be made. Choose **<Fan Out>**, and all subsequent orders with this particular security will be sent out across multiple routes.

For configuration of Fan Out Routes, see the Route section of the Global Configuration page **here**.

Side Types

Show Separate Side Btns—Check this box to display all the selected side types from the drop-down list (BYO, BYA, SLO, SLA, etc.) on the Order Ticket.

Show Sides—To display any or all of the available Side Types, choose the Side Type(s) to display from the drop-down list. Select **<All Sides>** box to show all Side Types on the Order Ticket.

The Order Ticket supports the following Side Types:

Order Ticket (Equity Mode)	Order Ticket (Options Mode)
BYC (Buy to close)	BYC (Buy to close)
BYA (Auto buy)	BYO (Buy to open)
SEL (Sell long)	BYA (Auto buy)
SLA (Auto sell)	SLA (Auto sell)
SSH (Sell short)	SLC (Sell to close)
SSE (Sell Short Exempt)	SLO (Sell to open)

Notes on Side Types

BYC—Generally used for options, but can be used for stocks on a per-route basis. Not allowed for futures.

BYA—The order will be a BUY if it results in a positive position. The order will be a BYC if it results in a zero or negative position.

> **Note:** BYA is enabled for equities only and can only be used if the selected route supports equity BYC.

SEL—Equities only, not allowed for futures

SLA—Equities only, not allowed for futures The auto sell side type automatically chooses between **SEL** and **SSH** based on the current position.

SSH—Equities only, not allowed for futures

SSE—A short sale in which the uptick rule doesn't apply to the trade, i.e., the trade can go through on a down tick as opposed to a standard short sale in which the order has to be done on an uptick.

Side Relative Price Types in Order Tickets

An option set in **Global Configuration** allows side relative prices types in Order Tickets. These side relative prices types are:

BASB—Buys the Ask or Sells the Bid. Select BUY and the Order Ticket will send at the ASK price. Select SELL and the Order Ticket will send at the Bid price.

BBSA—Same as BASB, except here we Buy at the Ask and Sell at the Bid. Sends limit orders at a price determined whether buying or selling a security.

Peg BASB—A Peg version of BASB, implemented at the exchange. (**Note:** not available from all exchanges).

Peg BBSA—A Peg version of BBSA, implemented at the exchange. (**Note:** not available from all exchanges).

Snap Side Types to Defaults On Security Change (Equity Mode)

When you change a Symbol in the Order Ticket, default sides types will be displayed in the Order Ticket if you check this box. Buy Side Types are **BUY** and **BYC.** Sell Side Types are **SEL SLA SSH**.

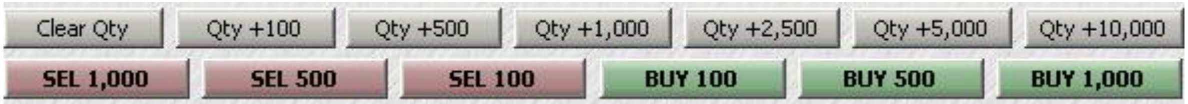
Snap Side Types to Defaults On Security Change (Option Mode)

When you change a Symbol in the Order Ticket in **Option** mode, default sides types will be displayed in the Order Ticket if you check this box. Buy Side Types are **BYC** and **BYO.** Sell Side Types are **SLC** and **SLO**.

Controls

Show Qty/Px Spinners—If checked, the **QTY** and **Px** fields in the Order Ticket will have up/down arrows to increase/decrease the value in their respective fields. If unchecked, values in each field will have to be manually input.

Show Quick QTY Btns and Show Quick Buy/Sell Btns

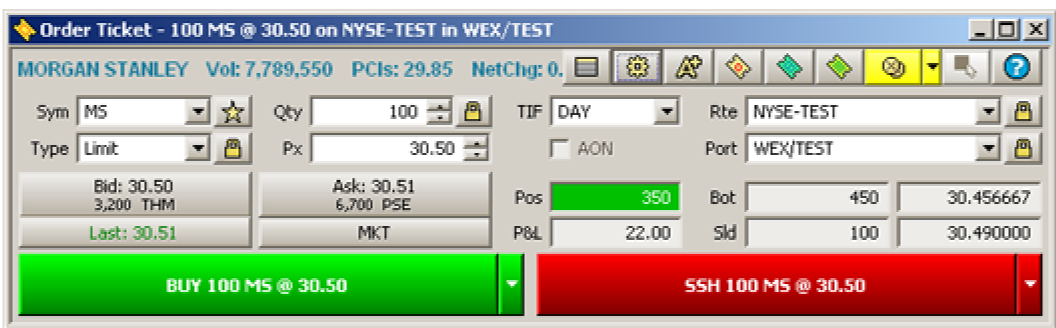


The Quick QTY Buttons increase the quantity amount in the **QTY** field with one touch.

The Quick Buy/Sell buttons allow one-touch ordering. In Equity Mode, Buy orders of 100, 500, or 1,000 shares can be purchased. Sel Orders of 100, 500, and 1,000 share are acted upon with one touch.

In Option mode, the Quick QTY Buttons work in the same manner, though the side types are different:

Use Separate Buy/Sell Btns



Check **Separate Buy/Sell Btns** to display both buy and sell buttons in the Order Ticket.

Lock Selections

Locks override default settings in the Global Configuration. Global settings such as routes, portfolios, price types, etc. can be associated with certain symbols or security types. When a symbol is entered, the global settings are called in automatically. If the defaults are to be overridden (for example QTY is changed to 500 from the default of 100), and **Lock Selection** is enabled, each symbol that's entered in the Order Ticket will have a QTY value of 500.

As an alternative to the configuration window, the lock icon  on the Order Ticket can be employed to lock selected fields.

Miscellaneous

Track Symbol Selection—The Order Ticket will change its symbol to match the symbol featured in another WTP applet if Trace Symbol Selection is activated.

Auto Close on Execute—The Order Ticket will close upon a successful buy or sell order if this option is checked. The Order Ticket "auto close" button will be displayed in red if the feature is checked.

If it is preferable to enable the auto close button for all Order Tickets, check **Auto Close on Execute** and save the Order Ticket as a default.

Portfolio Firms

The firm(s) to which you have access are listed here. Selectively choose which firm(s) are made available for selection, or check **<All Firms>** to have all listed firms available for selection.

Select a Portfolio

From the list of available portfolios check the name(s) that will be available when you make a selection in the **Port** field in the Order Ticket.

Customize Ordering

The Order Ticket can have the listing of portfolios customized into a preferable order. The configuration governs the display order in the Order Ticket's portfolio box.

A single or multiple portfolios can be re-ordered at once.

Note: The default ordering of portfolios is alphabetical.

To customize the list of portfolios:

1. On the **Configure Order Ticket** window, check **Customize Ordering**.
2. Select one or more portfolios you wish to move
3. Use one of four ordering buttons to move your selected portfolio(s):

    Move the portfolio(s) to the top of the list

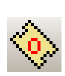
    Move the portfolio(s) one position up

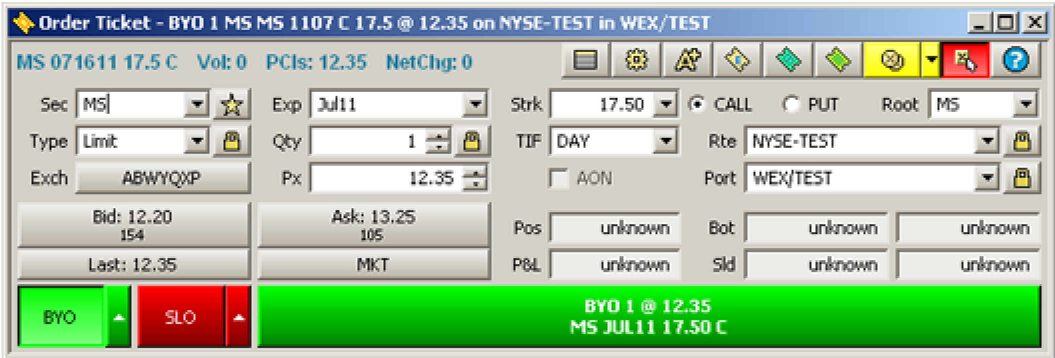
    Move the portfolio(s) one position down

    Move the portfolio(s) to the bottom of the list

4. Click **OK** to apply your changes.

Toggle Between Equity and Option Mode

Press the Equity/Option toggle button  to switch from Equity Mode to Option Mode.



While in Option Mode, controls including Root, Expiration Date, Strike Price, Call/Put selections, and Option control filters.

The current underlying Bid, Ask, and Last values for the selected security are displayed by default.

To return to Equity Mode, click on the Equity/Option toggle button.

Position Data

Basic position data is displayed in the Order Ticket— Total Position, Buy/Sell average price, and P&L

Templates

Values in the Order Ticket (symbol name, quantity, etc.) can be saved. When the Order Ticket is opened, all fields will be populated with the saved values.

Save Order Ticket Template

1. Click the right mouse on the Order Ticket
2. Select **Save as Default Template**

Learn more about Templates here.

Quotes Dialog


Quotes

Ena	Exch	Bid	Bid Size	Ask	Ask Size
☒	ASE	0.00	0	0.00	0
☒	CBOE	142.25	33	145.05	21
☒	ISE	142.25	33	144.65	36
☒	PSE	0.00	0	0.00	0
☒	PHLX	142.25	33	144.65	33
☒	BOX	142.20	21	144.75	21
☒	NDQ	141.30	10	146.35	10
☒	BATS	141.30	10	146.30	10

A quotes dialog table that displays quotes from selected exchanges can be selected in **Equity** or **Options** mode.

To launch the quotes window, press the **Show Exchange Quotes Dialog** button . The quotes table will display quotes from the security selected in the ticket. Current quote prices as well as the marketability of the quotes are shown. Quotes in **green** are marketable, quotes in **yellow** are possible.

By default all exchanges are selected in the quotes window. To disable an exchange from reporting in the quotes window, uncheck the box in the **Enable** column in the row of the exchange.

Tool Tips

Trading status tool tips for a selected security are displayed in the Order Ticket, **Option Quote Cube**, and **Equity Quote Cube.**

View a tool tip by positioning the mouse pointer in the symbol (or security name) field.

For Equity tickets, one of the following tool tips will display:

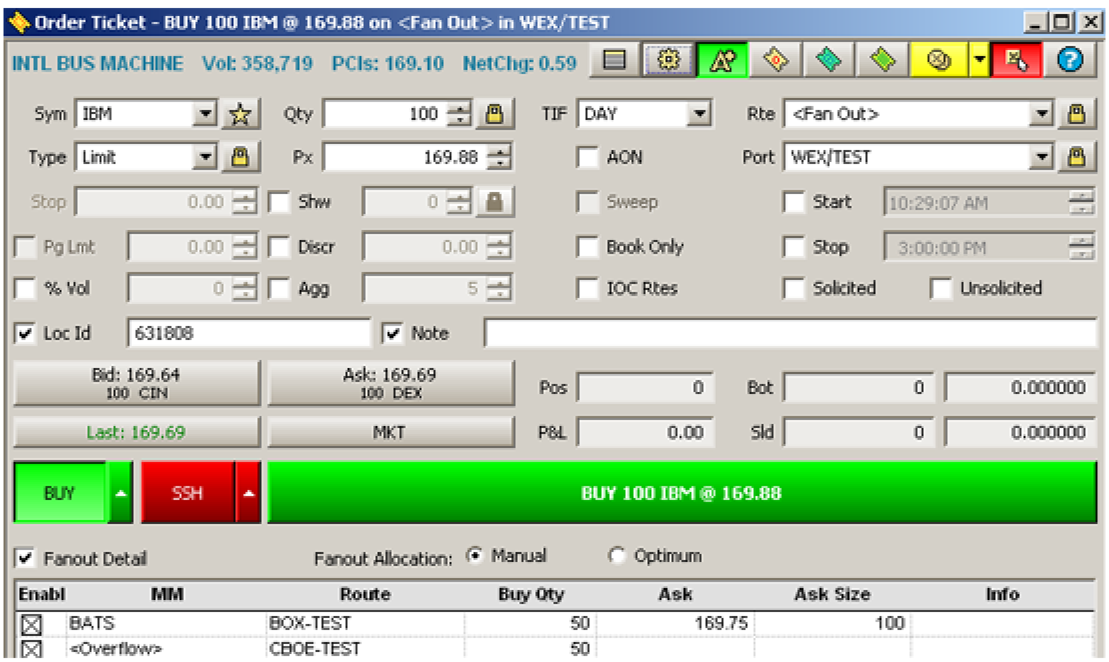
- **Trading Status: Normal**
- **Trading Status: Short Sale Restricted**
- **Trading Status: Halted**

- **Trading Status: Volatility Pause** (i.e., LULD Pause)
- **Stale Data:** (unreliable data at the moment)

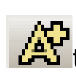
For Option tickets, one of the following tool tips will display:

- **Underlier Trading Status: Normal**
- **Underlier Trading Status: Short Sale Restricted**
- **Underlier Trading Status: Halted**
- **Underlier Trading Status: Volatility Pause** (i.e., LULD Pause)
- **Stale Data:** (unreliable data at the moment)

Advanced Mode



Order Ticket Advanced Mode

Press the **Advanced Mode** icon  to place the Order Ticket in advanced mode.

Advanced Mode defines order controls such as **Show Quantity, Stop Types, Discretion, Book Only, Sweep**, and the ability to add **Notes** to the Order Ticket.

Shw (Show)—The value entered in this field represents the total desired quantity that should be available on an Order book. This number cannot be higher than the **QTY** amount. The default value is equal to **QTY.**

Pg Lmt (Peg Limit)— If an order's price type is **Peg Ask, Peg Bid, Peg Last,** or **Peg Mid**, it will follow the market and remove the need for the order to be constantly updated. A **Peg Limit** can be set that prevents an order from being executed above or below a specified price level.

Disc—The **discretionary** value by which an order can be filled. For example, if a bid or ask price is 95.00 with a discretionary value of $.02, the bid or ask can go as high as $95.02 and still be filled.

IOC Routes—Also known as *Dark Pool Routes,* IOC Routes are defined in **Global Configuration.** When IOC Routes is selected, the routes will appear at the bottom of the order ticket. An IOC order will be sent to each IOC route, one at a time, attempting to fill some or all of the order before the remaining unfilled quantity is sent to the Order Ticket's normal route.

IOC routes can be selectively enabled/disabled by checking/unchecking the box near the IOC's route name.

Fanout Routes—A **Fanout Details** grid is displayed in an order ticket if fanout routes are selected. The Fanout details grid can be displayed or hid by checking the **Fanout Detail** box.

Individual fanout routes can be enabled/disabled by checking/unchecking the **Enable** box for each route.

Book Only—A limit order to buy or sell is executed in whole or in part. The portion not executed is posted in the Book without routing any portion of the order to another market center. When checking **Book Only** an exchange is ordered to **not** route an order out. Either the order will fill something currently on the exchange's book or it will remain on the exchange's book.

Sweep—When Sweep is checked, an exchange is instructed to route an order only to fast exchanges.

AON (**A**ll **O**r **N**one)**—**When checked, either an entire order gets filled, or none of it does. Partially filling an order is not considered.

Start/Stop—These parameters define the time in which trading can begin and end. (**Note:** Not supported in all exchanges.)

Solicited—An order initiated by a broker after speaking with a client. In a more advanced situation (such as a crossing order), a client calls the broker who, in turn, calls other firms looking to take an interest in the other side of the trade. If a seller is found for the client's buy order, this side of the order is considered solicited because the broker *solicited* the other side of the trade.

Unsolicited—An order initiated by the client requesting the broker to buy or sell.

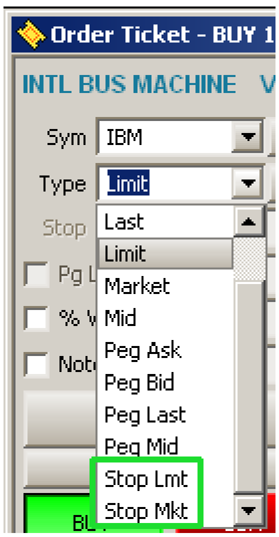
Covered (Order Ticket in Options mode)**—**Options bought/sold when the buyer/seller is holding an equivalent position in the underlier. A transaction is considered "covered" when the buyer/seller can, when necessary, deliver stock from the sale of currently held options.

Uncovered (Order Ticket in Options mode)**—**Options bought/sold when the buyer/seller has no offsetting position in the underlier.

Loc ID—Short for **Locate ID**, this field is used as part of SEC Regulation SHO for short sales. This regulation includes a new uniform requirement for broker-dealers to locate securities available for borrowing prior to effecting a short sale. Both numbers and letters can be used in a Locate ID, but there is a 16-character limit.

Note—If checked, a note will be attached to the ticket. Type in the note in the empty text field.

Stop Limit and Stop Market Orders in Advanced Mode



Stop Market Orders are similar to market orders, in that they are orders to buy or sell a contract at the best available price, but they are only processed if the market reaches a specific price. **Stop Limit Orders** are a combination of stop orders and limit orders. Like Stop Market Orders, they are only processed if the market reaches a specific price, but they are then processed as limit orders, so they will only get filled at the chosen price or a better price if there is one available.

The order types **Stop Lmt** and **Stop Mkt** are available only when the Order Ticket is in advanced mode.

Toggle Symbol Tracking

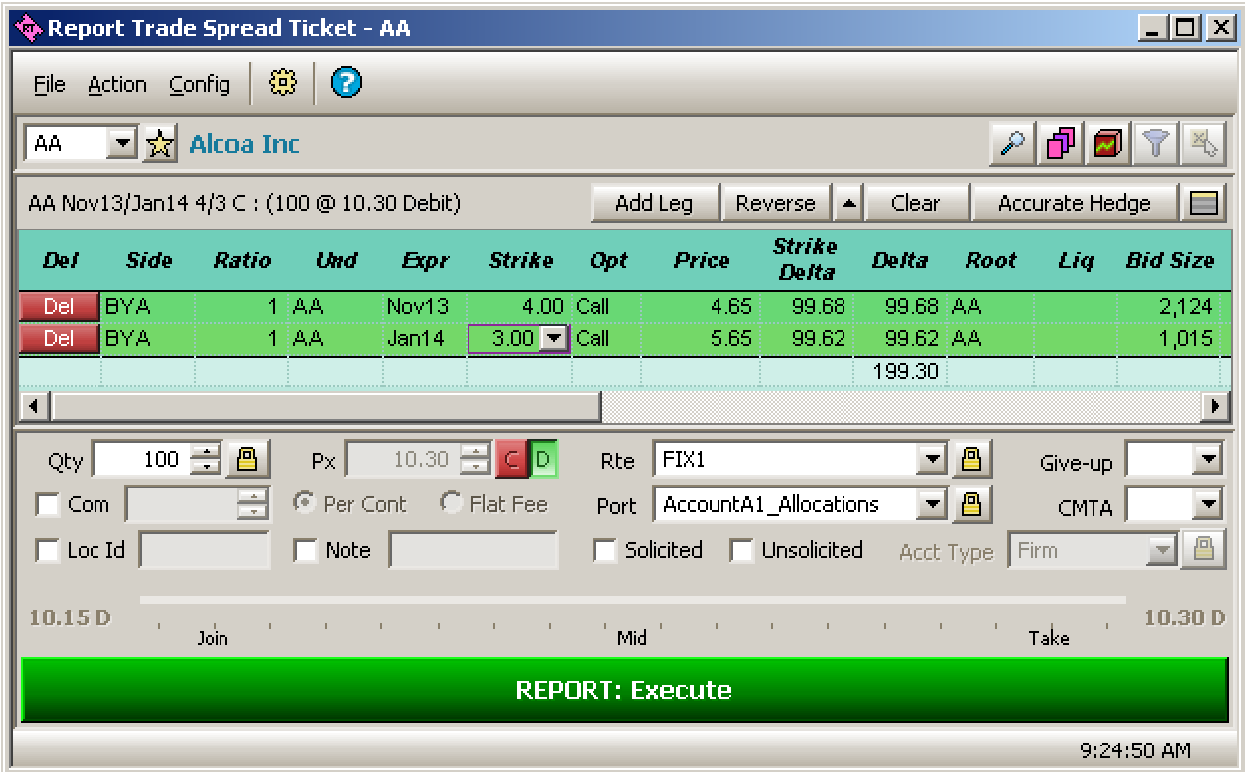
The Order Ticket auto-populates with the symbol that has been selected in another WTP applet. Learn more about Toggle Symbol Tracking **here**.

The Report Trade Ticket

The **Report Trade Ticket** looks similar to the standard Order Ticket, but is used in reporting external orders. It is launched from the **Order Grid**.

Learn about the Report Trade Ticket **here**.

The Report Trade Spread Ticket

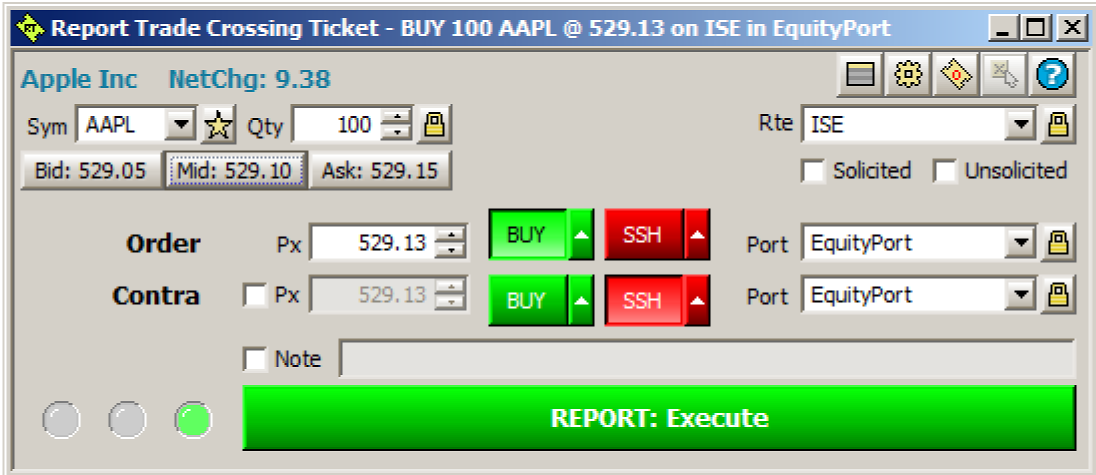


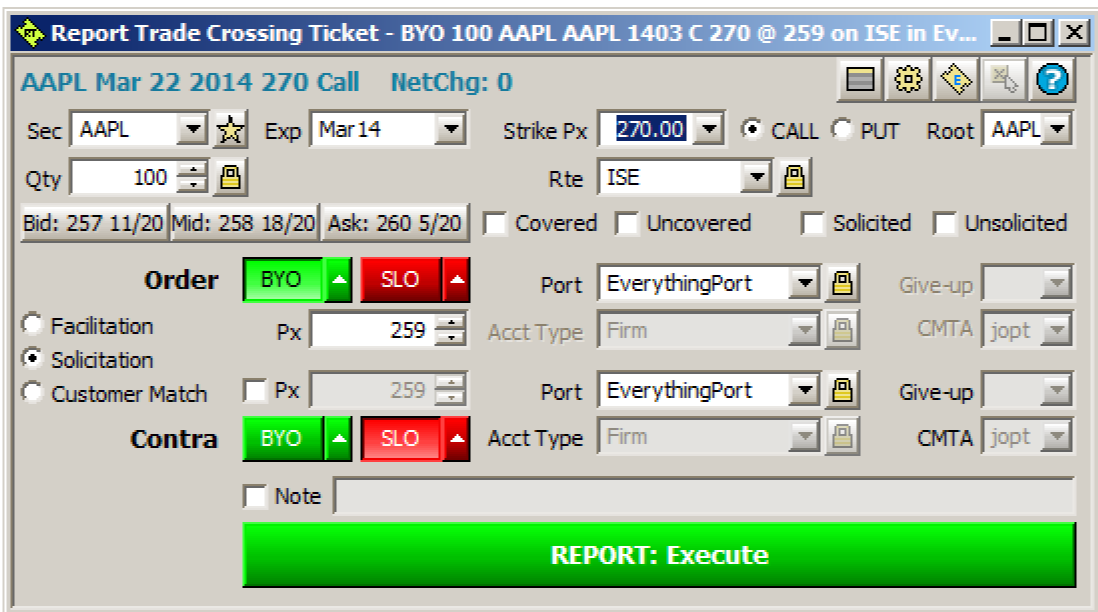
This ticket can be launched from the following:

- The **Spread Ticket** (by selecting the Report Trade Spread Ticket button)
- The WTP drop-down menu. Select **Report Trade Spread Ticket**
- The WTP Toolbar: **Manage-->Report Trade Spread Ticket**

Its function is the same as the **Report Trade Ticket**, but is used in reporting spread-based orders.

The Report Trade Crossing Ticket





Report Trade Crossing Ticket in Equity and Option mode

The **Report Trade Crossing Ticket** allows for the reporting of external crossing equity or option trades, similar to the **Report Trade Ticket**.

The ticket can be launched as follows:

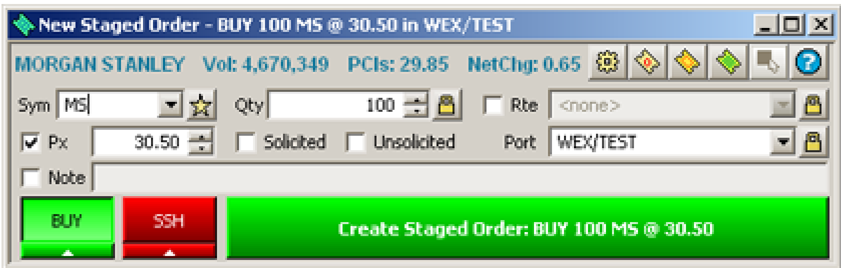
- From the WTP drop-down menu, select **Report Trade Crossing Ticket**
- From the WTP Toolbar: **Manage-->Report Trade Crossing Ticket**

The Adjust Position Ticket

The **Adjust Position Ticket** is a permissions-based ticket allowing for changes in a position. It is launched from the **Position Grid.**

Learn about the Adjust Position Ticket **here**.

The Staged Order Ticket

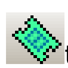


A **staged order** is, in essence, a queued order representing an *intention* to trade shares, contracts, or spreads by the end of the trading day. New orders for the same symbol can be attached to the staged order resulting in a reduction of the staged order's amount. For example, a BUY order for 100 shares is staged. Later during the day, a new BUY order of 20 shares for the same symbol is filled. The **Order Grid** will report that 80 shares remain to be purchased in the staged order.

Staged orders are entered with a **Staged Order Ticket** (above). Similar to the standard Order Ticket, a Staged Order Ticket can be setup for equity or option orders.

A Staged Order Ticket can be used for spread orders and is found in **Spread Builder**.

Launch the Staged Order Ticket from the Standard Order Ticket

Select the **Staged Order Ticket** icon  to switch the standard Order Ticket to the Staged Order Ticket.

Launch the Staged Order Ticket from the WTP Toolbar

From the WTP toolbar, select **Trade-->Staged Ticket**.

Alternate Method:

From the **Launch** menu select **Staged Ticket**.

Configure Staged Order Ticket

The Staged Order ticket is **configured** in the same manner as the standard Order Ticket. Portfolios as well as portfolio firms can be selected.

The Smart Ticket

The "Send To" menu

Selected grid data from a WTP app (i.e., Option Quote Cube, Equity Imbalance Viewer, or Quote Grid to name a few) can be sent to a number of different tickets and apps via the **send to-->** feature. The **send to-->** command is found in the **Action** column of most apps, or by right-clicking in an app's grid.

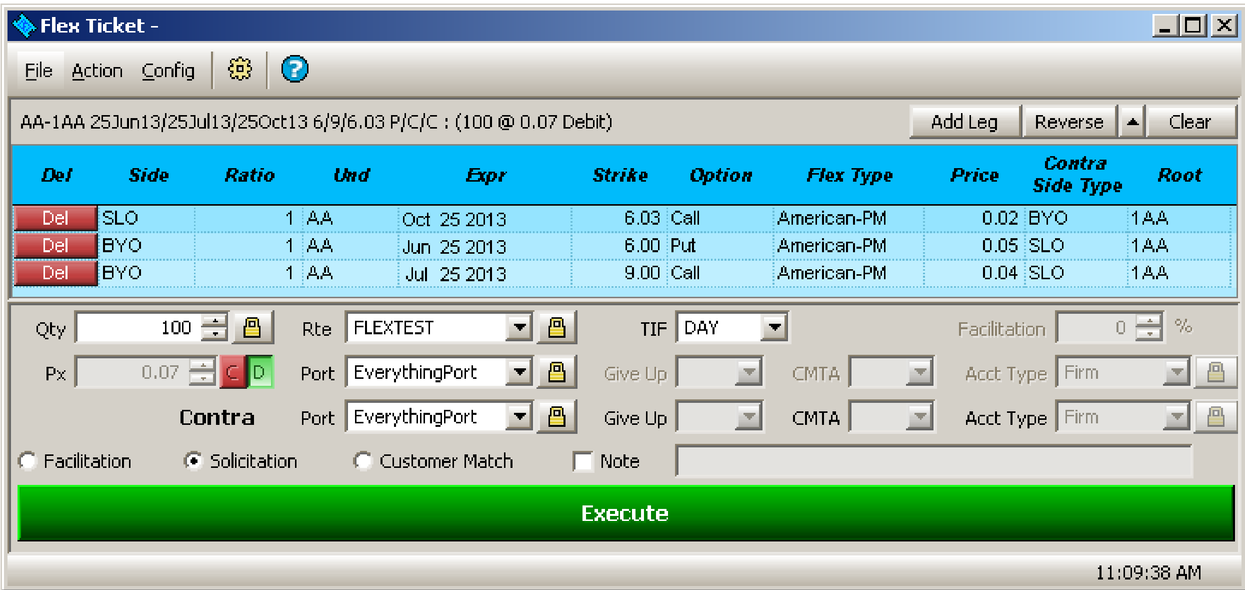
The **send to-->** option **Smart Ticket** opens a ticket *specific to the data it receives.* The ticket could be a regular Order Ticket, Spread Ticket, Crossing Ticket, or Staged Ticket.

For example, selecting a single row in Option Quote Cube and sending it to the Smart Ticket opens a standard Order Ticket in Option mode. If multiple rows are selected in Option Quote cube and sent to the Smart Ticket, a Spread Ticket will open. The selected rows become the legs of the Spread Ticket.

Once grid data is sent to the Smart Ticket, all other ticket selections will be unavailable in the **send to-->** menu. Conversely, if an order is sent to a non-smart ticket, the Smart Ticket will be unavailable in the **send to-->** menu**.**

You can, however, change a created Smart Ticket from the resultant ticket's menu bar. For example, if a Smart Ticket creates an Order Ticket in option mode, the ticket can be changed to a Staged Ticket or Crossing Ticket, but *cannot* be changed to an equity Order Ticket.

Flex Ticket



Flex Ticket (System Default Template)

FLexible **EX**change **(FLEX)** options are customized equity or index option contracts that provide investors with the ability to customize key contract terms including strike prices, exercise styles and expiration dates of up to ten years from the trade date; with the transparency, administrative ease and clearing guarantees of standard listed options.

The **Flex Ticket** allows traders the ability to customize key terms (i.e., exercise price, expiration date) for equity or index option contracts.

Launch Flex Ticket

From the WTP Toolbar select **Trade-->Flex Ticket**.

Alternate Method:

From the WTP menu select **Flex Ticket**.

Configure Flex Ticket

Select the Config button  to open the configuration window.

Alternate Method:

From the **Config** menu select **Configuration**

In the Flex Ticket tab:

Clear On Execute—All legs of a flex ticket order will be removed once an order has been executed.

Enable Side Type Row Coloring—Check this box to display the Buy side in one color and the Sell side in another. The colors for Buy and Sell are configured in Global Configuration, in the **theme** window.

The Status Bar

Status Bar—When selected, the current time is displayed on the bottom-right corner of the Flex Ticket.

Flex Type Field

The Flex Type defines whether the leg of a FLEX order is traded American or European. The AM/PM designation refers to the time of the settlement.

Also, in the **Root** field, a number is now added to the front of the root symbol. For Index options:

1 = American exercise, AM settlement
2 = European exercise, AM settlement
3 = American exercise, PM settlement
4 = European exercise, PM settlement

All Equity options are PM settled. Their numbers refer to the following:

1 = American exercise
2 = European exercise

The balance of a Flex option's symbol matches that of other standard options symbols (underlying, expiration date, option type (call/put) and strike price).

Spread Book Exchange for Flex Orders

CFLEX spread book exchange permission is required for FLEX orders.

Position Grid

Position Grid allows you to view accumulated positions by portfolio, account, or firm.

Launch Position Grid

Configure Position Grid

Configure Position Grid to Display Underlier Quote Data

Adjust Position

Show Alert Columns

Cancel Position Orders, Cancel All Orders, Cancel Matching Orders

Launch Order Grid

Tabs

Templates

Export Grid Data

Copy, Copy Cell

Printing

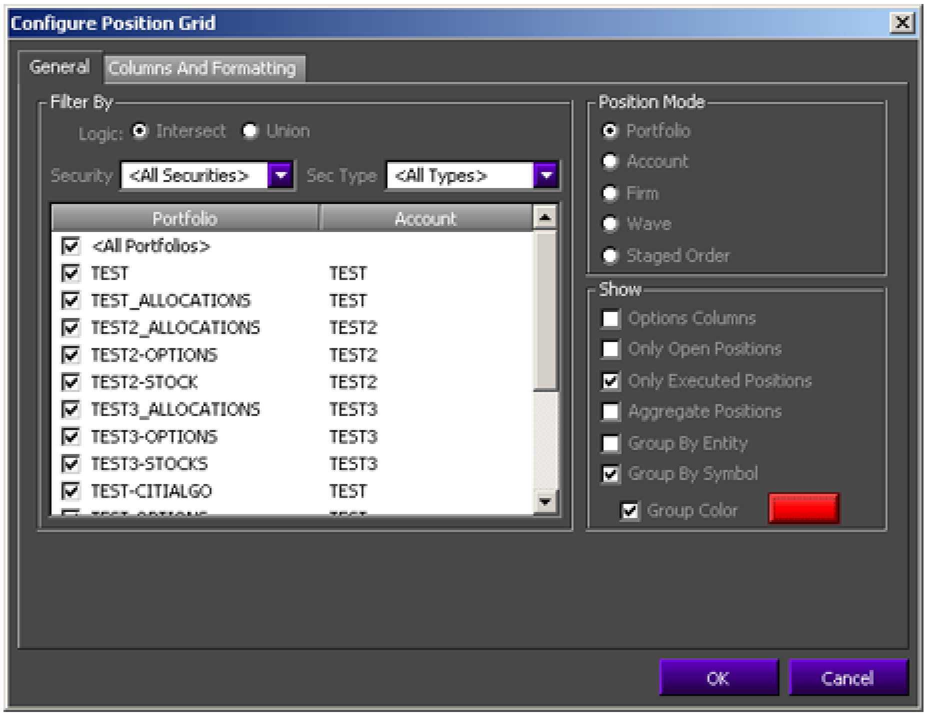
Launch Position Grid

From the WTP toolbar select **Manage-->Position Grid**.

Alternate Method:

From the WTP menu select **Position Grid**.

Configure Position Grid



Open The Configure Window

Open the Configure window by clicking on the configuration icon 

Alternate Methods:

- From the Config menu select **Configuration**
- Right-click the mouse anywhere in the grid and select **Configuration**

Position Mode

The Position Grid can be configured to report on each type of position collection.

When a Position Mode is selected, additional options are available to customize the reporting:

- Portfolio—check the desired portfolio(s), or **<All Portfolios>**
- Account—check the desired account(s), or **<All Accounts>**
- Firm—check the desired firm(s), or **<All Firms>**
- Wave—check the desired wave(s), or **<All Waves>**

Filter By

The data displayed in Position Grid is filtered by one of two selectable methods:

- **Intersect—**Position Grid will display all orders that match the Security Name, Security Type, User, Side, etc., i.e., orders that match **all** of the selected filters.
- **Union—**Position Grid will display all orders that match the Security Name or Security Type, or User, or Side, etc., i.e., orders that match **any** of the selected filters.

Security and Sec Type

From the drop-down lists select one or more securities and security types.

Select **<All Securities>** and **<All Types>** to quickly choose all securities and types.

Show Display Options

Check the box next to the following view options in Position Grid:

- **Options Columns—**Strike, expiration date, and other options-related columns
- **Only Open Positions—**Stocks or equities that are owned
- **Only Executed Positions—**Executed position data
- **Aggregate Positions—**Adds rows to display the cumulative position of a portfolio/account/firm/ or wave. Three asterisks (***) will be displayed in the **Symbol** column for each portfolio.
- **Position Summaries—**Grouped either by **Entity** (i.e., account names) or **Symbol**

  Group By Entity—In the **Portfolio** column, a button for each portfolio will be listed. The PNL column will display the total profit/loss for each portfolio.

  Group By Symbol—In the **Symbol** column, a button for each symbol will be listed. The PNL column will displays the profit/loss for each symbol.

  Group Color—Either position summary rows can be displayed in any desired color. Press the rectangular color box to open a color window. Select an existing color or define a custom color.

Columns and Formatting

Learn how to set up columns and define formatting **here**.

Configure Position Grid to Display Underlier Quote Data

	Symbol	Ask
2	CAR CAR 100	4.60
3	DELL DLY 100	7.85
4	GE GE 1005 P	4.10
5	GE GEW 1005	2.04
6	GE GEW 1005	1.18
7	GE GEW 1005	0.24
8	CSCO CSCO	1.31
9	ACM ACM 10	0.60
10	MSFT MSQ 10	0.47
11	BHI BHI 1005	6.60
12	BHI BHI 1005	4.80
13	AAPL AAPL 1	138.95

Ask column displaying Option quotes

	Symbol	Ask
2	CAR CAR 100	14.35
3	DELL DLY 100	16.800
4	GE GE 1005 P	18.93
5	GE GEW 1005	18.93
6	GE GEW 1005	18.93
7	GE GEW 1005	18.93
8	CSCO CSCO	26.830
9	ACM ACM 10	29.07
10	MSFT MSQ 10	30.900
11	BHI BHI 1005	48.14
12	BHI BHI 1005	48.14
13	AAPL AAPL 1	246.140

Ask column displaying underlier quote data

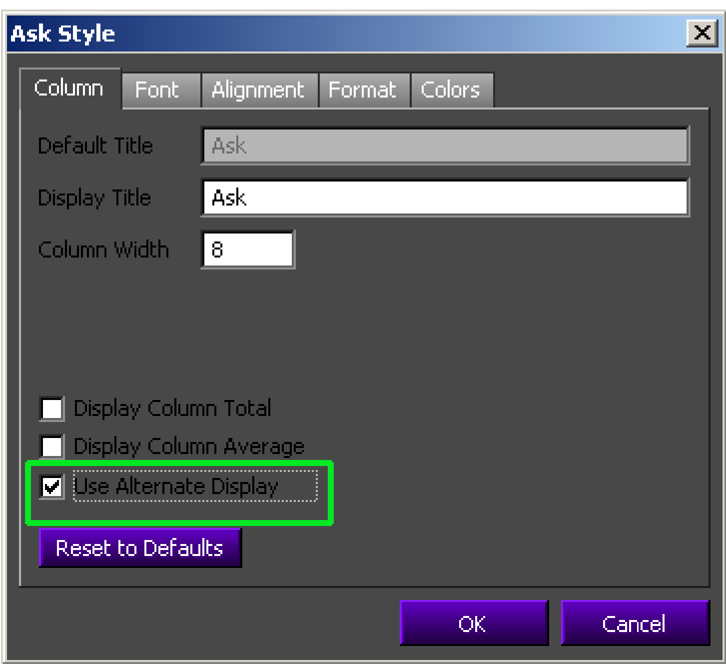
The Position Grid can be configured to display underlier quote data (bid/ask/last/vol) instead of, or in conjunction with, Option data.

There are two different methods for displaying underlier values:

Method 1: Set Column Style for the Quote column

1. Right-click on the header of the column and select **Set Column Style**.
2. Check the box **Use Alternate Display**.

   In the image below, the "Ask" column is configured to display underlier data.



3. Press **OK** to close the style window.

Method 2: Create a User Defined "Numeric Expression" Column

With this method, a user defined column is created and an expression is entered that will display the underlier quote data.

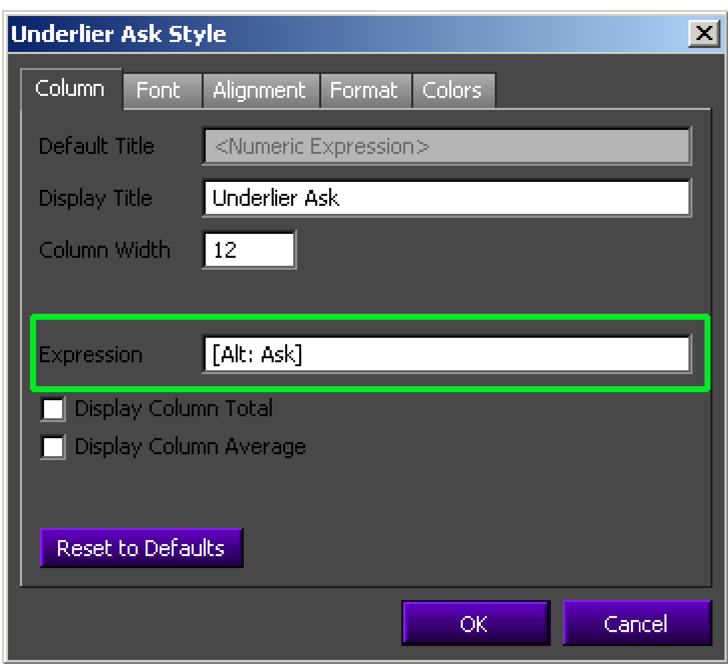
The benefit of this method is that an underlier data column can exist in the same grid as the Option data.

1. Open the **configuration** window from the Position Grid
2. Select the **Columns and Formatting** tab.
3. Select **User Defined Fields**.
4. Double-click on **<Numeric Expression>** to add it to the visible columns (or select **<Numeric Expression>** and press the right arrow).
5. In the **Visible Columns** section, double-click on **<Numeric Expression>** (or select **<Numeric Expression>** and press **Set Column Style**). The **<Numeric Expression>** style window will open.
6. Enter a display title and expression. The title should reflect the type of quote data to be displayed.

   The expression is entered in the following format:

   [Alt: *name of quote data column*]

   In the example below the **Ask** quote data column is defined in the expression.



7. Press **OK** to close the column style window and add the new column to the Position Grid.

Adjust Position

An adjustment can be made to any position via a special Order Ticket.

Note: Position adjustments can be executed by those with the proper client permission.

To adjust a position:

Press the Adjust Position icon 

Alternate Methods:

- From the **Action** menu, select **Adjust Position.**
- Right-click in the Position Grid and select **Adjust Position.**

Note: If a row in the Position Grid is highlighted prior to selecting Adjust Position, its symbol will automatically be placed in the Adjust Position Ticket.

Show Alert Columns

An **ALERT** column can be added to the Position Grid. When activated, the Alert column will display the button **Alert** next to each symbol in the grid.

Press the **Alert Columns** icon  to display the Alert button and the Enable check box.

Alternate Methods:

- From the **Config** menu, select **Show Alert Columns.**
- Right-click in the Position Grid and select **Show Alert Columns.**

Alert Button Colors

The Alert button will change colors reflecting the status of the button's underlying settings. The display colors of the Alert button are:

- green—The Alert button is active
- yellow—The Alert button is inactive
- red**—**The criteria for the Alert button has been met

The **Enable check box** column (next to the Alert button) turns the Alert for the its row on and off.

See **Set Row Color Conditions** for instructions in using the configuration window.

Cancel Position Orders, Cancel All Orders, Cancel Matching Orders

Live orders can be canceled in Position Grid, either selectively or completely.

Cancel Position Orders

1. Highlight the row containing the position to be canceled by clicking on it.

2. Press the **Cancel Position Order** icon .

   Alternate Methods:

   - Right-click on the row containing the position to be canceled and select **Cxl Selected Position Orders.**

   - From the **Action** menu select **Cxl Selected Position Orders.**

Cancel All Orders

Press the **Cancel All Orders** icon .

Alternate Methods:

- Right-click anywhere in the grid area and select **Cancel All Orders.**

- From the **Action** menu select **Cancel All Orders.**

Cancel Matching Orders

All orders for a specific symbol, or all orders in an account or portfolio can be canceled.

1. Right-click on a row whose order is to be deleted.

2. Select **Cancel Matching Orders -->** and one of the following:

   - **Cancel All For Symbol ___**

   - **In Account ___**

   - **In Portfolio ___**

Alternate Method:

Click on the row whose order is to be deleted.

From the **Action** column select **Cancel Matching Orders** continue with step #2 above.

Launch Order Grid

The **Order Grid** is launched whenever a row in the Position Grid is double-clicked. The Order Grid opens with the selected position.

Alternate Methods:

- Select a row in the Position Grid and click on the Order Grid icon .
- Right-click on a row in the Position Grid and select **Send To --> Order Grid.**
- Select a row in the Position Grid and from the **Action** menu select **Send To --> Order Grid.**

Tabs

Learn how to create, edit, and position tabs **here**.

Templates

Position Grid configurations can be saved as templates.

Learn about templates **here**.

Export Grid Data

Data in the Position Grid can be exported to a file, clipboard, or Excel spreadsheet.

Learn about exporting grid data **here**.

Copy, Copy Cell

The **Copy** command copies all the symbol names in the Position Grid. The **Copy This Cell** command copies a selected cell.

To Copy:

1. Select one or more rows.
2. From the **Action** column select **Copy.**

   Alternate Methods:

- Right-click on the highlighted rows and select **Copy.**
- Press **Ctrl +c** after highlighting the row(s)
- Press the copy icon  after highlighting the row(s)

To Copy a Cell:

1. Click on the cell to be copied.
2. From the **Action** menu, select **Copy This Cell.**

   Alternate Methods:

- Right-click on the cell to be copied, and select **Copy This Cell.**

- Click on the cell to be copied and type **Ctrl +c**.

Printing

Learn the basics of printing a WTP applet **here**.

Quote Grid

The Quote Grid allows you to view real-time streaming quotes for equities, options, and futures.

Requirements

A valid market data login is required along with default quote services. For more information about setting up Quote Services click **here**.

Launch the Quote Grid

From the WTP toolbar, select **Analyze-->Quote Grid**.

Alternate Method:

From the WTP menu select **Quote Grid.**

Configure the Quote Grid

To launch the Configuration window

Press the configuration icon .

Alternate Methods:

- Click the right mouse button anywhere in the grid and select **Configuration**.
- From the **Config** menu select **Configuration**.

Available Columns

In the **Available Columns** portion of the Configure Quote Grid window are the list of available columns that can be placed in the Quote Grid.

Add available columns to the Quote Grid:

1. Click on the **+** character next to **Quote Fields, Quote Grid Fields,** or **User Defined Fields** to reveal the available columns under each heading.
2. Double click on a field name to place it on the Quote Grid **or** click once on a field name and click the right arrow.

The field name will be placed in the **Visible Columns** portion of the Configuration widow (and in the Quote Grid if selections are saved).

Remove columns from the Quote Grid:

1. Select any column name in the **Visible Columns** portion of the Configuration window.
2. Click the left arrow to remove the column name.

Fit All Columns to Window

If the **Fit All Columns to Window** box is checked, the columns will be equally spaced to the width of the Quote Grid window.

Set Grid Default Style

See **Columns and Formatting** for information on setting up grids.

Set Row Color Conditions

Click **here** for instructions on setting Row Color Conditions.

Multiple Conditions

You may have **multiple conditions** for the same symbol.

For example, a row color condition can be set for the **same expression as one that has been previously defined** yet display a different color for a condition or target value that differs from the first configuration.

Also, the same security can have **different expressions**.

Select ALL Securities for Row Color Conditions

To select all securities for a row color condition, click your mouse in the **Security** field. Press the down arrow and choose **<ALL>.**

Alert Priority

1. Choose a priority (Low, Medium, High, Off) for the alert.

2. Click on the Global Configuration icon to select a sound (in the form of a **.wav** file). The **Global Configuration** window will display. The **Notifications** tab will be selected.

3. Select the row corresponding to the Alert Condition defined in Step #1.

4. From the drop-down list, select a **.wav** sound that will play when the row condition has been met. To select a **.wav** file not in the drop-down list, click **Browse** and select a file from your system.

5. Click **OK** to accept your selections and close the window, or **Apply** to accept your selections and keep the window open, or **Cancel** to close the window without saving your selections.

Note: Log Severity reporting can also be defined from this window. See the **Global Configuration** Help page for more information on Log Severity reporting.

Grid Line Style

Select one of four grid line styles for the Quote Grid:

- Solid
- Dashed
- Dotted
- None (no grid lines)

Highlight Period

When a cell is updated, it gets highlighted and eventually fades from the highlight color to the background color. **Highlight Period** specifies the length of time until the fade out completes.

Symbol Lists

A Symbol List is the user-defined list of symbols that are being viewed in a Quote Grid. For example: A Symbol List called **DOW** might contained only those symbols related to DOW industrials.

Display the symbols in a Symbol List in the Quote Grid

Click on a Symbol List name. Symbol Lists are displayed on the left side of the Quote Grid. Only one Symbol List at a time can be seen in the Quote Grid.

Create and Save a Symbol List

1. Click the **File** menu. Select **New Symbol List.** By default this list is called "New Symbol List."

   Alternate method:

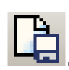
   Click the right mouse button anywhere in the Quote Grid. Select **File Commands --> New Symbol List**.

2. In the Symbol column of the Quote Grid, either type in a symbol or select one from the drop-down list.

3. Continue adding symbols as required.

4. To save the Symbol list as a file on your computer, click the **File** menu and select **Save Symbol List**. Choose a name for the Symbol List and the appropriate directory to store it.

   Alternate methods:

   Select the **Save Symbol List** icon .

   Click the right mouse button anywhere in the Quote Grid. Select **File Commands --> Save Symbol List.**

Remove a Symbol List

Click on the Symbol List name with right mouse button and choose **Remove**.

Load a Saved Symbol List

In the Quote Grid select **File Commands --> Open Symbol List**. Double-click on a Symbol List file (designated with a **.bsm** extension).

Show Select View

You can display your Symbol Lists with **Show Select View** option. The Quote Grid's default view displays the Symbol Lists.

To display (or remove) Symbol Lists, click the right mouse button on the Quote Grid. Select **Show Select View**.

Show Alert Columns

An **ALERT** column can be added to the Quote Grid. When activated, the Alert column will display the button **Alert** next to each symbol on the Quote Grid.

The Alert button will change colors that reflect the status of the button's underlying settings. The display colors of the Alert button are:

- **green**—The Alert button is active
- **yellow**—The Alert button is inactive
- **red—**The criteria for the Alert button has been met

The **Enable check box** column (next to the Alert button) turns the Alert for the its row on and off.

See **Set Row Color Conditions** for instructions in using the configuration window. Unique in the configuration widow for Alert Columns is the **Aggregate** check box, that causes an alert to be raised only when **all** conditions are satisfied. If unchecked, an alert is raised when **any** condition is satisfied.

Arrange Columns

Columns in the Quote Grid can be arranged in any desired order.

To rearrange columns in the Quote Grid:

1. Click on the **column head** of the column that is to be moved.
2. With the left mouse button depressed, move the mouse left or right and position the column accordingly.

Left, Right, Center Format

To view a column's data in either flush left, right, or center:

1. Click on a column head with the right mouse button.
2. Choose **Left Justify, Right Justify** or **Center Justify**.

The data in the column will be formatted to match the selection.

Sort Column Data

The data in any column can be sorted either ascending or descending. Additionally, a **real time sort** can be configured.

Sort data ascending or descending:

1. Double click on the column head of the column to be sorted **OR** click on the column head with the right mouse button.

2. Double click on the column again to reverse the view (either ascending or descending), **OR** with the right mouse button, select either **Sort Ascending** or **Sort Descending** or **Real Time Sorting**.

   Real Time Sorting can be detrimental to performance when large or rapidly updating data sets are in use.

Column Totals

Similar to a spreadsheet program, the data in a column can be acted upon to display the **total** of all symbols, the **average** value of all symbols, or the **median** value.

View Column Totals

1. Select a column by clicking on its column header.

2. With the right mouse button, select **Show Total** (the sum of column data), **Show Average** (the average value of column data), or **Show Median** (the middle-most value of the column data)

The result of Step #2 will be displayed on the Quote Grid below the selected column.

Export Grid Data

The data contained in the Quote Grid can be exported:

- As a file
- To the clipboard
- To a Microsoft Excel spreadsheet

Export Grid Data:

1. Anywhere in the body of the Quote Grid click the right mouse button.

2. Select **Export Grid Data**.

3. Select a destination for the exported data.

   Export to File—Enter a path and filename for the exported file.

   Copy to Clipboard—Select this and the data will be available in clipboard.

   Export to Microsoft Excel—Select this and Excel will open and the Quote Grid data will be loaded.

4. Select the data to export:

   Selected Range vs. **Entire Grid—**Selected Range refers to an area highlighted by the mouse. Entire Grid refers to all rows and columns of the Quote Grid.

   Include Column Titles—Check this box if the grid's Column Titles should be exported.

   Include Row Numbers—Row numbers will be a part of the exported file if this option is checked.

5. An option to **Strip Commas from Numeric Fields** and a **Field Delimiter** selection becomes available if **Export to File** or **Copy to Clipboard** has been selected, .

   To remove the commas from fields with numbers, check this box.

   Select either **Comma, Space,** or **Tab** to identify the delimiter that will be used between fields.

6. Click **OK**.

Send Quote Grid data to Other WTP Applets

The data in the Quote Grid can be sent to these WTP applets:

Order Grid, **Equity Quote Cube**, **Option Quote Cube**, **Equity Time and Sales**, **Option Time and Sales**, **Managed Orders**, **Position Grid**, and **News Browser**.

Send the data in the Quote Grid

1. With the right mouse button, click on a row in the Quote Grid corresponding to the symbol you wish to send.

2. Select **Send to -->** and the name of the applet.

The selected applet will open.

Place an Order from the Quote Grid

To bring up the **Order Ticket** and place an order, click your mouse on a row of the symbol you wish to trade. Then:

- Double click anywhere on the row containing the symbol.

  Alternate Methods:

- Type **Ctrl +n**.

- Right-click the mouse button and select **New Order.**

Cancel Orders from the Quote Grid

Orders can be selectively or collectively canceled from the Quote Grid.

Selectively cancel an Order from the Quote Grid:

1. Click on the row that has an open order.
2. Type **Ctrl +z** or click the right mouse button and select **Cxl Orders for Symbol: (symbol name)**.

Cancel all orders from the Quote Grid

1. Click the right mouse button anywhere in the Quote Grid.
2. Select **Cancel All Orders**.

Show Options Columns

Columns specific to Options trading can be displayed in the Quote Grid.

Show Options Columns:

Select the **Options Columns** icon **.**

Alternate Methods:

Right-click in the Quote Grid and select **Show Options Columns.**

From the **Config** menu select **Show Options Columns**.

Lock the Quote Grid

The Quote Grid can be placed in read-only (locked) mode. This prevents accidental input to the Grid.

Lock the Quote Grid

1. Click the right mouse button anywhere in the Quote Grid.
2. Select **File Commands --> Read Only Mode.**

Print Grid Data

1. To print the Quote Grid click on the grid with the right mouse button.
2. Select **File Commands-->Print**.

Spread Book

Spread Book displays Spread Orders from various exchanges. Viewable information includes the Type of Spread, on which exchange the order is found, its Price, Quantity, and Delta, and more.

Spread Book is both a standalone applet and an optional pane in **Spread Builder**.

- Launch Spread Book
- Select One or More Symbols
- The Spread Book Window
- Show or Hide the Security Detail Window
- Create Multi-leg Spread Orders
- Filter Grid
- Spread Types
- Configure Spread Book
- Templates
- Export Grid Data
- Printing

Launch Spread Book

From the WTP toolbar, select **Analyze-->Spread Book**.

Alternate Method:

From the WTP menu select **Spread Book**.

Select One or More Symbols

From the drop-down list select one or more symbols to be displayed in Spread Book.

The Spread Book Window

The Spread Book window is divided into three sections:

- **SECURITY DETAIL** (top)**—**Bid, Ask, Last, Chg, and VWAP values.
- **BOOK GRID** (middle)**—**Summary section for multiple securities. The available columns are configurable.
- **DETAIL GRID** (bottom)**—**Detailed display of option/underlier data for each leg of a selected Spread Order.

Show or Hide the Security Detail Window

Press the Security Detail Icon  to show/hide the Security Detail window.

Alternate Methods:

- From the **Config** menu select **Configuration**. Check the **Show Security Detail** box to display the Security Detail.
- Press the Configuration icon . Check the **Show Security Detail** box to display the Security Detail.

Create Multi-leg Spread Orders

Double-click on the row containing the desired Spread Order. This will launch a **Spread Builder** ticket with the legs populated.

The default operation for a double click is a "Take." To "Join" the market, use the **Join** button.

Learn more about the ticket and creating orders in Spread Builder **here**.

Filter Grid

Data displayed in the Book grid can be filtered based on defined criteria.

Click on the filter icon  to open the filter configuration window. From this window define one or more expressions with a condition and target value. Once set, the filters are enabled by checking the **Filters** check box on Spread Book.

To the right of the filter icon is the **Filter Spread Book on Built Spread** icon . Select this filter to view unfilled spreads that you created.

Learn about setting expressions **here**.

Spread Types

Different spread types are available in Spread Book and are listed in the **Type** column of the Book Grid:

Spread Type	**Definition**
Box	A dual option position involving a bull and bear spread with identical expiry dates. This investment strategy provides for minimal risk. Additionally, it can lead to an arbitrage position as an investor attempts to lock in a small return at expiry.
Butterfly	A strategy combining a bull and bear spread. It uses three strike prices. The lower two strike prices are used in the bull spread, and the higher strike price in the bear spread. Both puts and calls can be used.
Buy-Write	A strategy that consists of writing call options on an underlying position to generate income from option premiums. Because the options position is covered by the underlying position, the downside risk of writing the option is minimized.
Calendar	An options or futures spread established by simultaneously entering a long and short position on the same underlying asset but with different delivery months. Sometimes referred to as an interdelivery, intramarket, time or horizontal spread.
Condor	Similar to a butterfly spread, a condor is an options strategy that also has a bear and a bull spread, except that the strike prices on the short call and short put are different.
Diagonal	A strategy established by simultaneously entering into a long and short position in two options of the same type (two call options or two put options) but with different strike prices and expiration dates.
Iron Butterfly	A strategy that is created with four options at three consecutively higher strike prices. The two options located at the middle strike create a long or short straddle (one call and one put with the same strike price and expiration date) depending on whether the options are being bought or sold. The "wings" (options at the higher and lower strike prices) of the strategy are created by the purchase or sale of a strangle (one call and one put at different strike prices but the same expiration date). This strategy differs from the butterfly spread because it uses both calls and puts, as opposed to all calls or all puts.
Iron Condor	An advanced options strategy that involves buying and holding four different options with different strike prices. The iron condor is constructed by holding a long and short position in two different strangle strategies. A strangle is created by buying or selling a call option and a put option with different strike prices, but the same expiration date. The potential for profit or loss is limited in this strategy because an offsetting strangle is positioned around the two options that make up the strangle at the middle strike prices.
Married Put	A strategy whereby an investor, holding a long position in stock, purchases a put on the same stock to protect against a depreciation in the stock's price.
Risk Reversal	A hedge strategy that consists of selling a call and buying a put option. This strategy protects against unfavorable, downward price movements but limits the profits that can be made from favorable upward price movements.
Straddle	A strategy with which the investor holds a position in both a call and put with the same strike price and expiration date.

Strangle	An options strategy where the investor holds a position in both a call and put with different strike prices but with the same maturity and underlying asset. This option strategy is profitable only if there are large movements in the price of the underlying asset.
Swap	The difference between the negotiated and fixed rate of a swap. The spread is determined by characteristics of market supply and creditor worthiness.
Synthetic Put	An investment strategy of short selling a security and entering a long position on its call.
Vertical	A trading strategy with which a trader makes a simultaneous purchase and sale of two options of the same type that have the same expiration dates but different strike prices.

Configure Spread Book

Press the Configuration icon to open the Spread Book configuration window.

Alternate Methods:

- From the **Config** menu select **Configuration.**
- Right-click anywhere on the Spread Book window and select **Configuration.**

Spread Book Options

- **Show Orders w/Negative Edge—**By default, orders with negative edge (i.e., the difference between Price and Theoretical) will **not** be displayed. Check this box to view orders with negative edge.
- **Show Live Orders—**If selected, unfilled (i.e., live) orders are displayed in the Book grid.
- **Show At Top Always—**Working in conjunction with Show Live Orders, if checked, the live orders are listed at the top of the Book grid.
- **Show Security Detail—**If selected, the Security Detail portion of the Spread Book window will display.
- **Spread Book Exchanges—**Check the appropriate box(es) corresponding to the exchanges whose book data is to be viewed. For all exchanges, check **<All Exchanges>**.

Book Grid and Detail Grid Options

Column settings and styles are defined in Book Grid and Detail Grid options.

Learn about **Columns and Formatting** here.

Templates

A Spread Book template is a file with a **.spt** extension. A configured Spread Book page can be saved as a template or default template.

Learn about templates **here**.

Export Grid Data

The data in Spread Book can be exported to a file, clipboard, or Microsoft Excel spreadsheet program.

Learn about exporting grid data **here**.

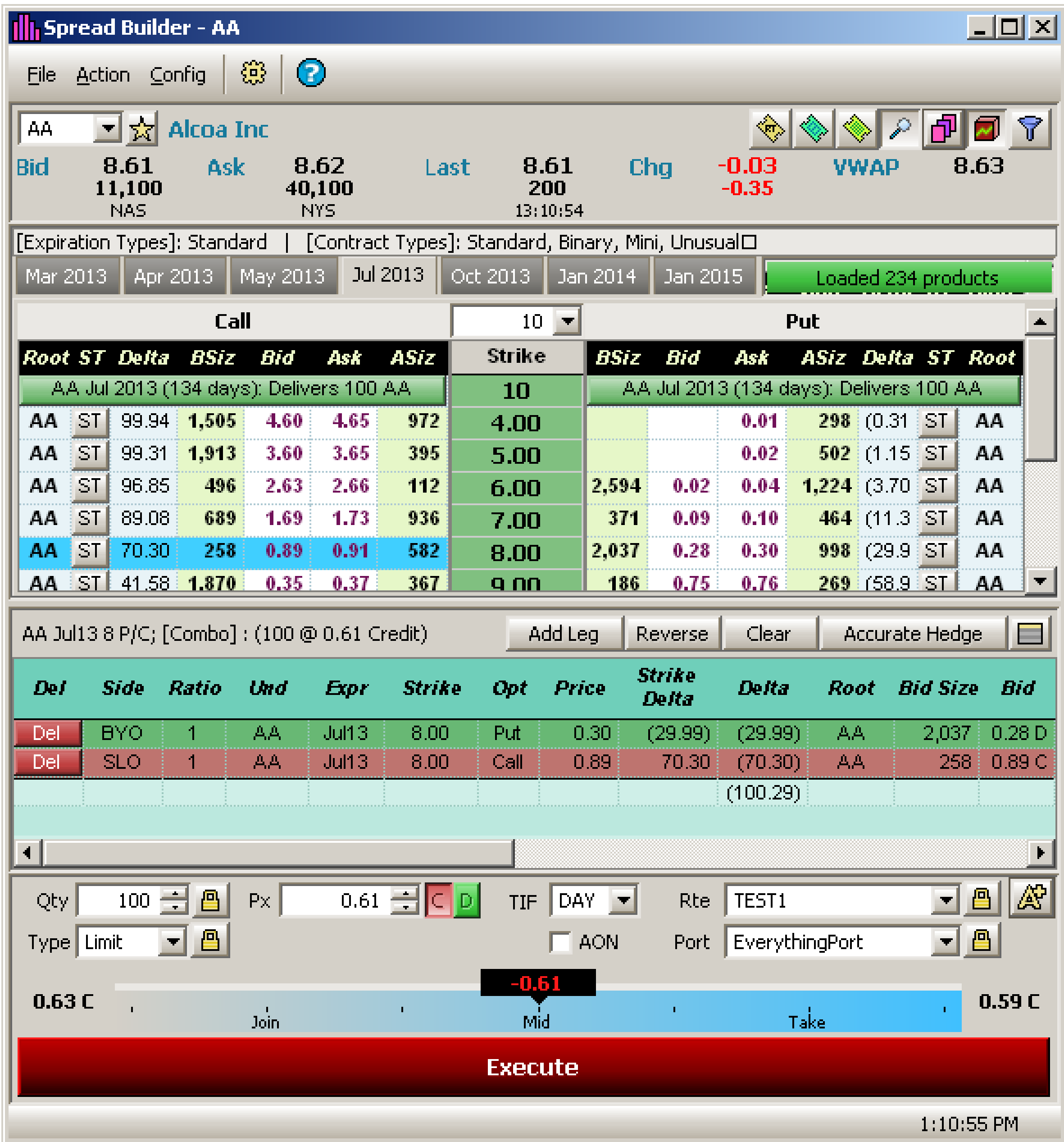
Printing

The Spread Book window can be printed.

Learn printing details **here**.

Spread Builder

Spread Builder allows the creation, viewing, and trading of multi-leg Spread Orders. Each leg of a spread order is an Option or Equity and defined by a Symbol, Side Type, and Ratio. The Spread Order can be created in the Spread Builder Grid and executed via the Spread Ticket.



[Launch Spread Builder](#)
[Execute a Basic Spread Builder Order](#)
[Display all Expirations for a Single Product](#)
[Staged Order Ticket](#)
[Spread Book](#)[Configure Spread](#)

[The Montage Grid](#) [Spread Ticket](#) [Builder](#)
[The Builder Grid](#) [Crossing Ticket](#) [Templates](#)
[Export Grid Data](#)

Launch Spread Builder

From the WTP toolbar select **Trade-->Spread Builder**.

Alternate Method:

From the WTP menu, select **Spread Builder**.

Execute a Basic Spread Builder Order

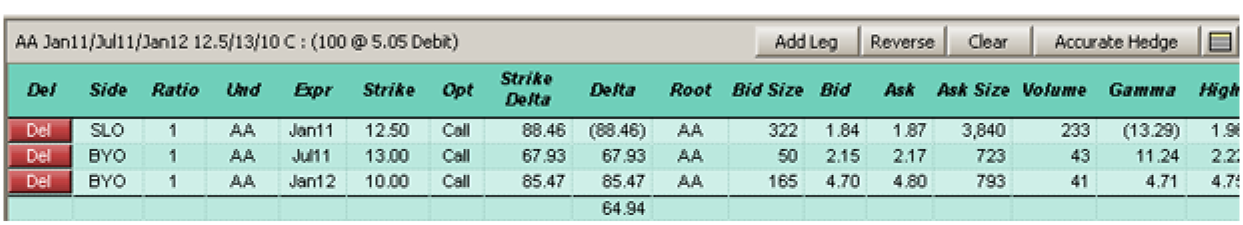
To execute a Spread Builder order requires the selection of *two or more* option orders from the **Option Montage.** The selected option orders can consist of all calls, all puts, or a combination thereof.

Select two or more spread orders by double-clicking on their rows.

Dec 2010 | Jan 2011 | Apr 2011 | Jul 2011 | Jan 2012 | Jan 2013 | Loaded 154 products

Call							10	Put						
Root	ST	Delta	BSiz	Bid	Ask	ASiz	Strike	BSiz	Bid	Ask	ASiz	Delta	ST	Root
Dec 2010							10	Dec 2010						
AA	ST	99.67	954	5.15	5.25	807	9.00			0.01	424	(0.34)	ST	AA
AA	ST	99.53	4,259	4.15	4.30	1,339	10.00			0.02	651	(0.49)	ST	AA
AA	ST	99.46	4,034	3.15	3.25	3,088	11.00			0.01	103	(0.56)	ST	AA
AA	ST	99.26	4,662	2.17	2.21	518	12.00			0.02	684	(0.75)	ST	AA
AA	ST	97.32	783	1.18	1.21	309	13.00			0.02	631	(2.70)	ST	AA
AA	ST	67.04	5,589	0.26	0.28	310	14.00	5,349	0.07	0.08	141	(32.99)	ST	AA
AA	ST	10.65	408	0.01	0.02	1,214	15.00	1,586	0.80	0.84	2,343	(89.47)	ST	AA
AA	ST	3.31			0.01	124	16.00	6,911	1.79	1.84	837	(96.80)	ST	AA
AA	ST	2.31			0.02	596	17.00	2,779	2.62	2.86	895	(97.78)	ST	AA
AA	ST	1.73			0.04	1,580	18.00	5,341	3.70	3.85	685	(98.35)	ST	AA

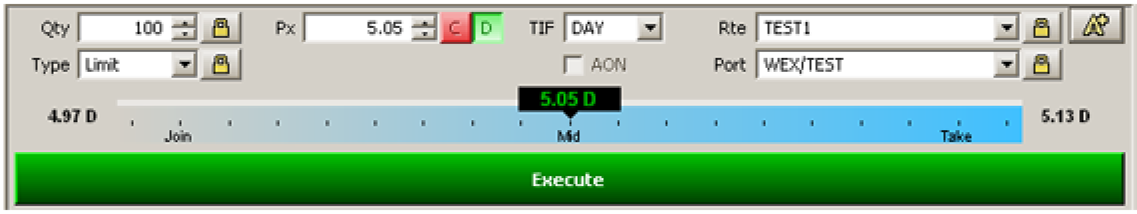
Each selected spread order is placed in the **Legs** section of Spread Builder:



AA Jan11/Jul11/Jan12 12.5/13/10 C : (100 @ 5.05 Debit) | Add Leg | Reverse | Clear | Accurate Hedge

Del	Side	Ratio	Und	Expr	Strike	Opt	Strike Delta	Delta	Root	Bid Size	Bid	Ask	Ask Size	Volume	Gamma	High
Del	SLO	1	AA	Jan11	12.50	Call	88.46	(88.46)	AA	322	1.84	1.87	3,840	233	(13.29)	1.9
Del	BYO	1	AA	Jul11	13.00	Call	67.93	67.93	AA	50	2.15	2.17	723	43	11.24	2.2
Del	BYO	1	AA	Jan12	10.00	Call	85.47	85.47	AA	165	4.70	4.80	793	41	4.71	4.7
								64.94								

The **Spread Builder order ticket** adjusts the price based on the spreads in the Legs window:



Press **Execute** to start the order.

The Montage Grid

The Montage Grid contains the same Option data for a security as the **Option Quote Cube**. The difference between the two is when an order is selected in the Montage Grid, it is placed in the Builder Grid**.** In the Option Quote Cube, a selected order brings up the **Order Ticket**.

Display the Montage Grid

To toggle the display of the Montage Grid, press the **Show Montage Grid Icon** .

Alternate Methods:

- Right-click anywhere in Spread Builder and select **Toggle Option Montage.**
- From the **Config** menu select **Toggle Option Montage.**
- Select the configuration icon (from either the Spread Builder toolbar or by right-clicking anywhere in Spread Builder). In the Spread Builder tab, check **Show Option Montage Grid** to display the Montage Grid.

The Builder Grid

The Builder Grid displays the details for each leg of the current Spread Order including the Symbol, Side Type, and Ratio. Market Values for each product such as Bid, Ask, and Delta are also viewable.

Edit in the Builder Grid

Leg Components can be manually edited after inserting a leg. These include the Symbol, Side Type, and Ratio. Additional legs can also be added or removed.

Add Leg

Press **Add Leg** and a blank leg row is added in the Builder Grid.

Reverse

Press the **Reverse** button to reverse the side types of the legs (i.e., SLO becomes BYO and vice versa). Greeks will adjust accordingly when selecting Reverse.

Clear

Press the **Clear Legs** button to remove all legs from the Builder Grid.

Delete a Leg

Press the **Del** button on the row featuring the leg to be removed, or press the keyboard delete key.

Accurate Hedge

The **Accurate Hedge** button inserts an Equity leg (or modifies one that already exists) to bring the total Delta for the order to 0. If the Delta is positive then a Sell Equity Leg will be inserted. Conversely, a Buy Leg will be added for negative deltas. Equity legs are added in lots of 100, so the Equity will only be added if the offending Delta is more than 50 (or less than -50).

Note: If the legs are close to zero already, selecting **Accurate Hedge** will have no effect.

Example 1: 3 Legs, all BYO side types **before** Accurate Hedge:

AA Jan11/Jul11/Jan12 12.5/14/10 C : (100 @ 8.12 Debit) — Add Leg | Reverse | Clear | Accurate Hedge

Del	Side	Ratio	Und	Expr	Strike	Opt	Strike Delta	Delta	Root	Bid Size	Bid	Ask	Ask Size	Volume	Gamma	High	Last	Open Int	Prev Close	Vega
Del	BYO	1	AA	Jan11	12.50	Call	87.89	87.89	AA	1,171	1.81	1.84	1,988	265	13.98	1.96	1.83	90,150	1.96	0.0094
Del	BYO	1	AA	Jan12	10.00	Call	85.27	85.27	AA	539	4.65	4.80	1,622	41	4.77	4.75	4.70	12,115	4.90	0.0340
Del	BYO	1	AA	Jul11	14.00	Call	57.12	57.12	AA	562	1.56	1.58	225	121	12.54	1.59	1.58	1,318	1.67	0.0425
								230.28												

After selecting Accurate Hedge, a new leg with a SSH side type is added and the delta is rounded down as close to zero (or negative delta) as possible:

AA Jan11/Jul11/Jan12 12.5/14/10 C, stock : (100 @ 24.70 Credit) — Add Leg | Reverse | Clear | Accurate Hedge

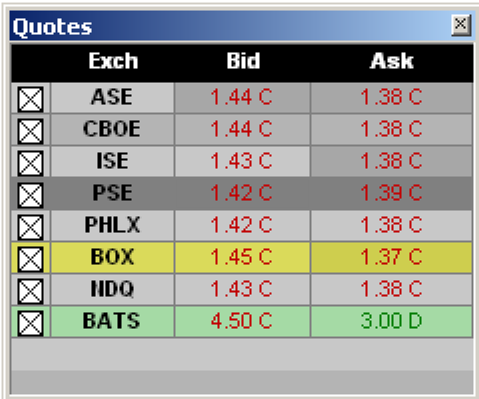
Del	Side	Ratio	Und	Expr	Strike	Opt	Strike Delta	Delta	Root	Bid Size	Bid	Ask	Ask Size	Volume	Gamma	High	Last	Open Int	Prev Close	Vega
Del	BYO	1	AA	Jan11	12.50	Call	88.12	88.12	AA	546	1.81	1.84	4,179	265	13.70	1.96	1.83	90,150	1.96	0.0093
Del	BYO	1	AA	Jan12	10.00	Call	85.35	85.35	AA	526	4.65	4.80	1,622	41	4.75	4.75	4.70	12,115	4.90	0.0339
Del	BYO	1	AA	Jul11	14.00	Call	57.32	57.32	AA	331	1.56	1.58	273	121	12.52	1.59	1.58	1,318	1.67	0.0426
Del	SSH	231	AA					(231.00)		9,800	14.21	14.22	11,800	11,161,38	(231.00)	14.36	14.21	0	14.36	(231.0000

Example 2: 2 Legs, mixed side types. Accurate Hedge command adds an SSH side type with a negative delta:

AA Jan11/Jan12 12.5/10 C, stock : (100 @ 3.31 Credit) — Add Leg | Reverse | Clear | Accurate Hedge

Del	Side	Ratio	Und	Expr	Strike	Opt	Strike Delta	Delta	Root	Bid Size	Bid	Ask	Ask Size	Volume	Gamma	High	Last	Open Int	Prev Close	Vega
Del	BYO	1	AA	Jan11	12.50	Call	87.77	87.77	AA	225	1.78	1.82	7,418	265	14.12	1.96	1.83	90,150	1.96	0.0094
Del	SLO	1	AA	Jan12	10.00	Call	85.23	(85.23)	AA	678	4.60	4.75	1,354	41	(4.79)	4.75	4.70	12,115	4.90	(0.0340)
Del	SSH	3	AA					(3.00)		4,100	14.17	14.18	35,200	12,072,03	(3.00)	14.36	14.17	0	14.36	(3.0000)
								(0.46)												

Quotes



Pressing the **Quotes** icon opens a window containing a grid populated by the prices of the spread across various exchanges.

A green row indicates the current order is marketable. A yellow colored row indicates the order is *possibly* marketable. Uncolored rows are not marketable.

Each column in the grid can be sorted. Double-click on a column head to sort.

Press the **Quotes** icon again to close the grid.

Display all Expirations for a Single Product

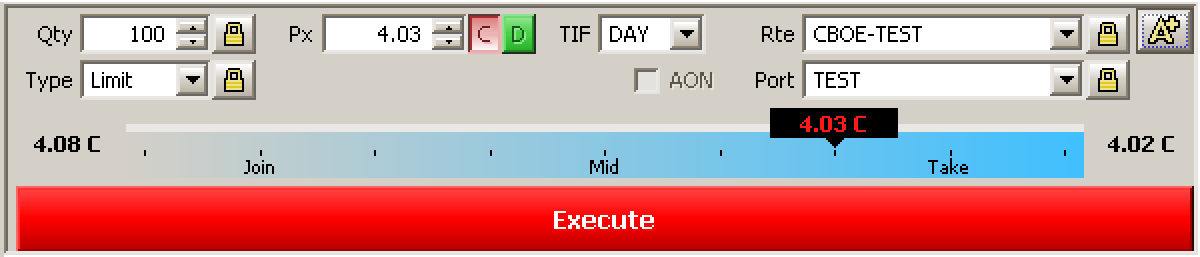
When a single product is selected in the Option Montage Grid of the Spread Builder, issuing the **View Expirations for Strike** command (by right-clicking in the grid) will launch a new window in which data for all expiration dates is displayed. Multiple strike prices can be selected *before or after* issuing the command.

If a different security is selected in Spread Builder, it will be reflected in the View Expirations for Strike window.

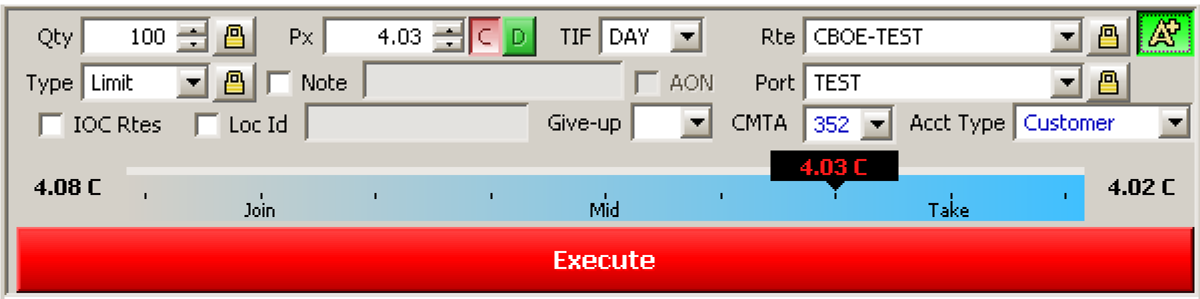
The newly-launched window responds as other WTP grids in which the **Order Ticket** can be launched when selecting a bid or ask value. Also, the grid data can be exported and the **send to** command can be issued.

Note: Only one option side can be shown at a time. If a call and a put are selected in Spread Builder, the View Expirations for Strike window will display the most recently selected option side.

Spread Ticket



Spread Ticket



Spread Ticket Advanced Mode

Spread Builder orders are sent from the **Spread Ticket.** Similar to the **Order Ticket**, the Spread Ticket allows the user to define the order's Quantity, Price, Price Type, Route, and Portfolio as well as various other parameters. The Execute button is colored to reflect whether the order is a Credit, Debit, or neutral (gray). Colors for Credit and Debit can be modified in the **Theme** tab of the **Global Configuration**.

The slider scale is activated for **Limit** orders and moves in conjunction with the price (Px) field. Increments along the scale show the Join price, Mid Price and Take price of a spread.

- The current floating value is displayed on the slider.
- The slider can be moved in three ways: 1. Grabbing and sliding the scale, 2. Clicking anywhere on the scale, 3. Adjusting the value in the price (Px) field.
- The price field will display the same value as the slider except when the price exceeds the join or take values.

A warning message that the spread may execute immediately will be displayed when executing an order where the price exceeds the take value.

Lock Selections

Press the lock icon next to the **Qty, Route, Portfolio,** or **Price Type** fields to lock their values.

Advanced Mode

Press the advanced mode icon  to place the Spread Ticket in advanced mode.

Alternate Method:

- Open the configuration window and click on the **Spread Ticket** tab. Check the **Advanced** box under **Spread Ticket Mode**.

In **Advanced Mode** are five additional fields:

- **IOC Rtes—**IOC Routes are also known as *Dark Pool Routes* and are configured in **Global Configuration** under the **Routes** tab. When **IOC Rtes** is activated in the Ticket, an IOC order will be sent to each of the IOC routes one at a time in an attempt to fill the order.

- **Note—**Check the Note box and leave a text note in the adjacent field.

- **Give-up—**A transaction between three brokers where one broker hands off a trade to a second broker, who then buy the stock from a third. The third broker exercises the trade, while the first broker *gives up* the name of the second broker, even though the trade is executed between the first and third broker.

  Example: Broker A receives a buy order, but is too busy to handle it. Broker B is asked to help fill the order and buys the stock from Broker C. The transaction is recorded between Brokers B and C. Broker A, in effect, *gives up* the name of Broker B. The trade, however, is executed between Broker A and Broker C.

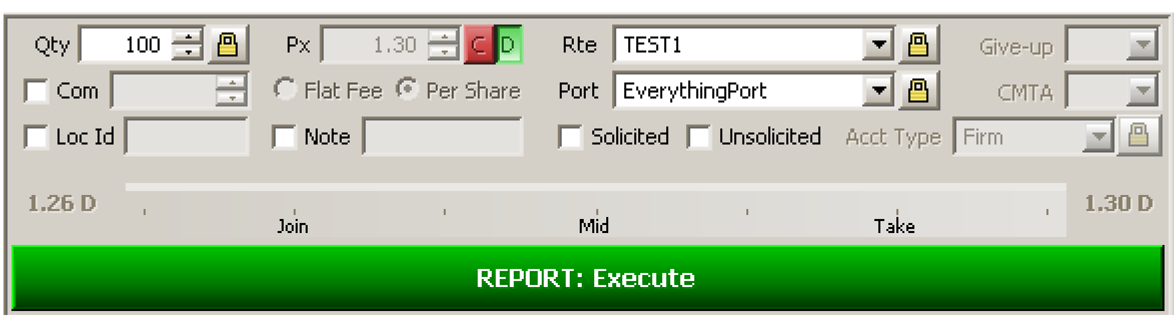
  Select a Give-up value from the drop-down list.

- **CMTA** (**C**learing **M**ember **T**rade **A**greement)**—**An agreement where an investor trades with a number of different brokers, later consolidating the trades through a single broker for clearing.

- **Acct Type** (Account Type)**—**Select from **Broker Dealer, Customer, Firm, Market Maker,** or **Professional Customer**.

Note: Values for Give-up and CMTA are defined by an administrator.

Report Trade Ticket



The **Report Trade Ticket** is used in reporting external orders.

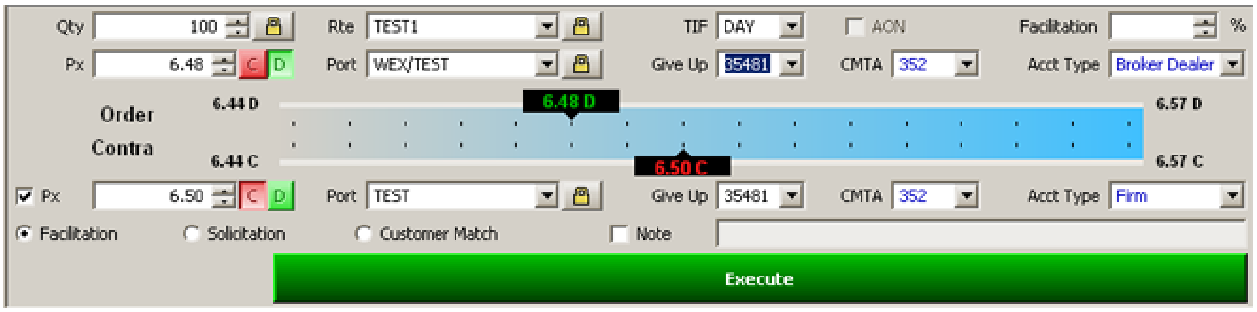
Launch the Report Trade Ticket

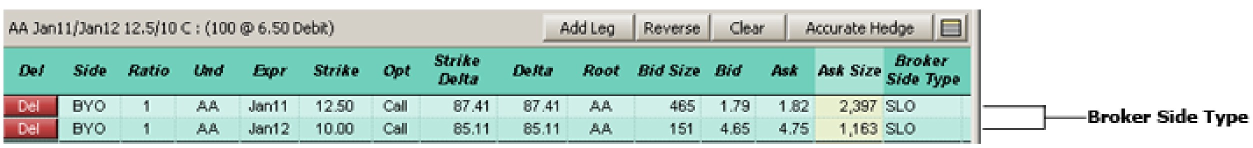
Press the Report Trade Ticket icon to display the Report Trade Ticket.

Alternate Methods:

- From the **Config** menu select **Show Report Trade Ticket**.
- Right-click in Spread Builder and select **Show Report Trade Ticket**.

Crossing Ticket





Crossing spread orders can be achieved with the **Crossing Ticket.** Side types are selected before issuing a crossing spread. Spread Builder determines if a crossing spread is **marketable** or **non-marketable** based on a number of factors.

Display the Crossing Ticket

Press the Crossing Ticket icon.

Alternate Methods:

- Right-click in any Spread Builder grid and select **Toggle Crossing Ticket.**
- From the **Config** menu select **Toggle Crossing Ticket.**

Follow the same procedure to stop displaying the Crossing Ticket.

Create a Crossing Spread Order

1. Broker Side Types

When the Crossing Ticket is active a new column **Broker Side Type** is added to the Builder Grid. The available broker side types are opposite those of the selected legs.

If the sides of the selected legs are BUY, the available broker side types will be SELL, and vice versa.

2. Crossing Type

Select one crossing type:

- **Facilitation**—A member or member organization executes a crossing order with an order from a public customer.
- **Solicitation**—An order solicited by a member firm to trade with another order. A customer's order is matched with a solicited counter bid or offer.
- **Customer Match**—An unsolicited crossing type.

3. Facilitation Percentage

The value in this field refers to the percentage that goes to a Broker. If a facilitation order is sent, the defined percentage is taken by the Broker and the balance goes to the exchange.

4. Account Type

Select an account type from the drop-down list in the Crossing Ticket. Available account types are:

- Broker Dealer
- Customer
- Firm
- Market Maker

Credit/Debit Buttons

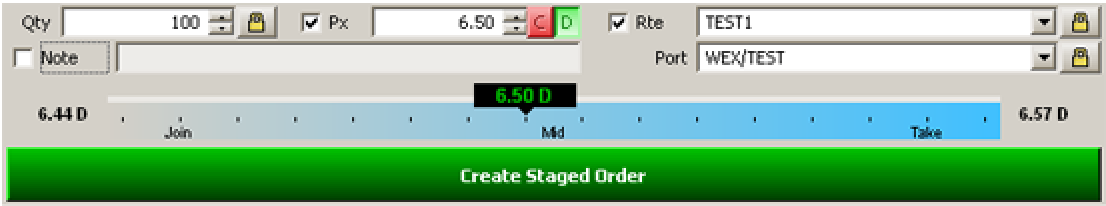
There are two sides to a Spread Order. Consequently, there are two sets of Credit/Debit buttons that respond to selections on either side (if Order side is a Credit, the Contra side will snap to debit and vice versa).

Eligible, Possible, and Ineligible Status Lights

The Crossing Ticket displays the viability of an order in one of three colors (next to the Execute button):

- **Green—**The order is **Eligible (Bid < Price < Ask)**
- **Yellow—**The order is **Possible (Price = Bid *or* Price = Ask)**
- **Red—**The order is **Ineligible (Price < Bid *or* Price > Ask)**

Staged Order Ticket



A **staged order** in Spread Builder is, in essence, a queued order representing an *intention* to trade spreads by the end of the trading day. A staged order can be viewed and filled in the **Order Grid**.

Launch the Staged Order Ticket

Press the Staged Order Ticket icon to display the Staged Order Ticket **.**

Alternate Methods:

- From the **Config** menu select **Show Staged Ticket**.
- Right-click in Spread Builder and select **Show Staged Ticket**.

Spread Book

Filters:

Summary	Qty	Price	Mid	Type	Delta	#Legs	Exch	Join	Quote Id
WMT Jan10 50 P/C	50	8.000000	7.63 C	Straddle	0.16	2	ISE	Join	1010035732
WMT Sep09 45 C, stock	23	43.770000	44.34 D	Buy-Write	21.40	2	ISE	Join	1022749910
WMT Jul09 40/45 P	2	0.320000	0.06 C	Vertical	6.10	2	ISE	Join	1075834496
WMT Jan10 55/60/65 C	59	0.550000	0.57 C	Butterfly	(6.69)	3	ISE	Join	1313144709
WMT Dec09/Jan10 52.5 C	50	0.080000	0.31 D	Calendar	1.62	2	ISE	Join	1371144602
WMT Jan10/Jan11 57.5/50	3	7.100000	5.10 C	Diagonal	(33.06)	2	ISE	Join	1403126338
WMT Sep09 47.5/50 P	4	2.300000	1.11 C	Vertical	17.25	2	ISE	Join	1620253459
WMT Jul09 45/47.5/55/57.5	1	0.380000	0.24 D	Iron Condor	(15.93)	4	ISE	Join	1653740498
WMT Jul09 47.5/50 P	2	0.250000	0.94 D	Vertical	(36.15)	2	ISE	Join	1709250337
WMT Sep/Sep/Dec/Dec09	100	2.280000	2.37 D	Unknown	(3.65)	4	ISE	Join	1887379903
WMT Jul09 50/52.5 C	2	0.180000	0.51 D	Vertical	30.13	2	ISE	Join	1898783341
WMT Dec09/Jan10 52.5 C	50	0.080000	0.31 D	Calendar	1.62	2	ISE	Join	2169450799
WMT Jul09 50/52.5 C	2	0.100000	0.51 D	Vertical	30.13	2	ISE	Join	2290629064
WMT Sep09 40/45/55/60 P/	40	0.000000	0.88 D	Iron Condor	(2.88)	4	ISE	Join	2319923431
WMT Jul09 45/47.5 P	2	0.180000	0.24 D	Vertical	(16.99)	2	ISE	Join	239583112 3
WMT Sep09 45/47.5/57.5/6	50	0.000000	0.78 D	Iron Condor	(9.81)	4	ISE	Join	2510177342
WMT Dec09/Jan10 57.5 C	30	0.250000	0.24 C	Calendar	(2.80)	2	ISE	Join	2747814504
WMT Jul09 50/52.5/55 P	100	0.500000	0.48 C	Butterfly	(21.53)	3	ISE	Join	2762495464
WMT Sep09 45/55 P/C	1	1.200000	1.15 C	Strangle	7.64	2	ISE	Join	2883869988
WMT Jul/Sep09 50 C	100	1.160000	1.15 C	Calendar	(6.50)	2	ISE	Join	2939183216
WMT Aug09 52.5/55 C	3	0.100000	0.35 D	Vertical	14.36	2	ISE	Join	3122883427
WMT Sep09 47.5/50 P	4	1.980000	1.11 C	Vertical	17.25	2	ISE	Join	3160438496

Leg Symbol	Ratio	Side Type	Delta
WMT WMT 0909 P 40	1	SEL	7.38
WMT WMT 0909 P 45	1	BUY	(22.99)
WMT WMT 0909 C 55	1	BUY	15.35
WMT WMT 0909 C 60	1	SEL	(2.62)

Spread Book displays Spread Orders from various exchanges. Viewable information includes the Type of Spread, on which exchange the order is found, its Price, Quantity, and Delta, and more.

Spread Book is both a standalone applet and an optional pane in Spread Builder.

Display Spread Book

Press the Spread Book icon **.**

Alternate Methods:

- Right-click in any Spread Builder grid and select **Toggle Spread Book.**
- From the **Config** menu select **Toggle Spread Book**.

Follow the same procedure to stop displaying the Spread Book.

Select a Spread Order from the Spread Book

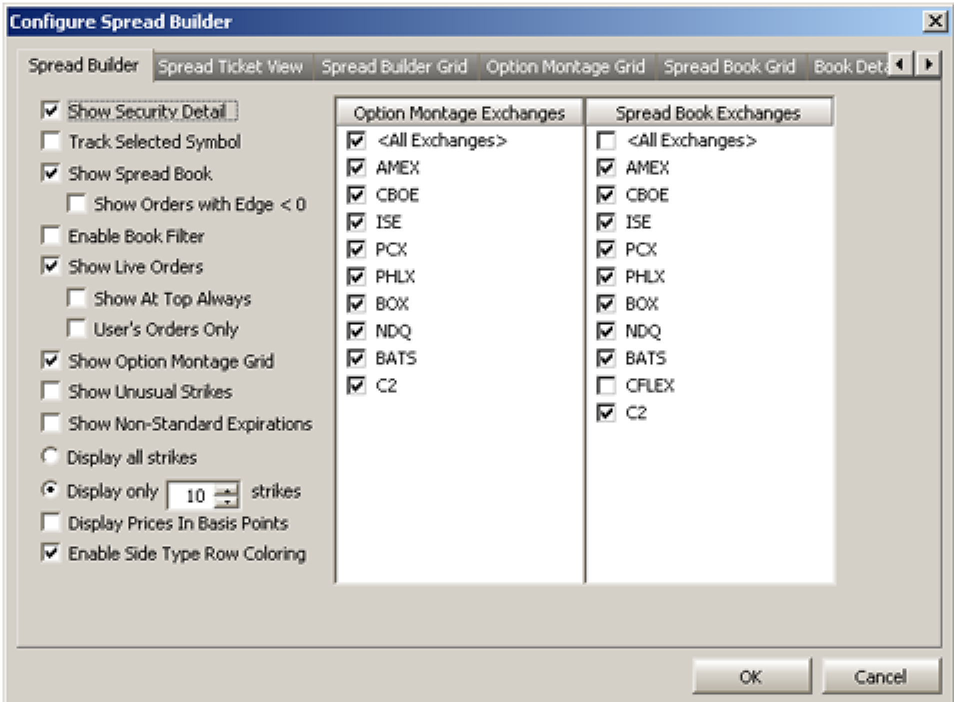
- A single click on any row in Spread Brook displays it in the **Detail Grid** at the bottom of the book.
- A double-click performs a **Take** on the order.

  The Builder Grid will be populated with the Spread Order (with its side types and price reversed for the take).

Join a Spread

Press the **Join** button on an order row to join the market (to Buy at the bid price and Sell at the ask price).

Configure Spread Builder



Press the Configuration icon to bring up the configuration window .

Alternate Methods:

- Right-click in any Spread Builder grid and select **Configuration.**
- From the **Config** menu select **Configuration.**

Spread Builder Configuration

The following Spread Builder options are activated by checking their adjacent box:

Show Security Detail—Displays the security detail.

Track Selected Symbol—See [Toggle Symbol Tracking].

Show Spread Book—Displays Spread Book (see [Spread Book] on this page for details).
Show Orders with Edge < 0—By default, orders with negative edge (i.e., the difference between Price and Theoretical) will not be displayed. Check this box to view orders with negative edge (edge < 0).

Enable Book Filter—Filters the Spread Book to only show Spreads containing all Symbols currently displayed in the Builder Grid.

Show Live Orders—Unfilled, active orders will display.
Show At Top Always—Used in conjunction with Show Live Orders, this option places live orders at the top of the Montage Grid.

Show Option Montage Grid—Display the Montage Grid.

Show Non-Standard Expirations—Non-standard option expirations are displayed.

Show Unusual Strikes—Odd lots and other non-standard strikes are displayed with this option.

Display all strikes/Display Only—Select one. For **Display only**, enter a number to coincide.

Display Prices In Basis Points— Check this box to have Spread Builder show prices in the grid in basis points.

Enable Side Type Row Coloring—Check this box to display the Buy side in one color and the Sell side in another. The colors for Buy and Sell are configured in Global Configuration, under the **Theme** tab.

For other Configuration screens, click **here** to learn how to setup up grids, columns and row color conditions.

Templates

Click **here** to learn about creating, editing, and using templates.

Export Grid Data

Click **here** to learn about exporting grid data.

Spread Viewer

Multiple spreads can be defined and tracked in **Spread Viewer**. Each spread is displayed in toggled, collapsible, rows where either the spread summary or the names and legs are viewable. Each spread can be sent to other WTP applets, most notably **Spread Builder** where a spread can be executed.

Launch Spread Viewer

Add a Spread

Add New Leg to a Spread

Toggle the View of a Spread

Accurate/Delta Hedge

Delete Leg(s)

Delete Spread(s)

Quote Dialog

Launch Order Ticket or Spread

Ticket From Spread Viewer

Send a Leg to the Order Ticket

Configure Spread Viewer

Create a Connection between

Spread Viewer and Other Applets

Templates

Launch Spread Viewer

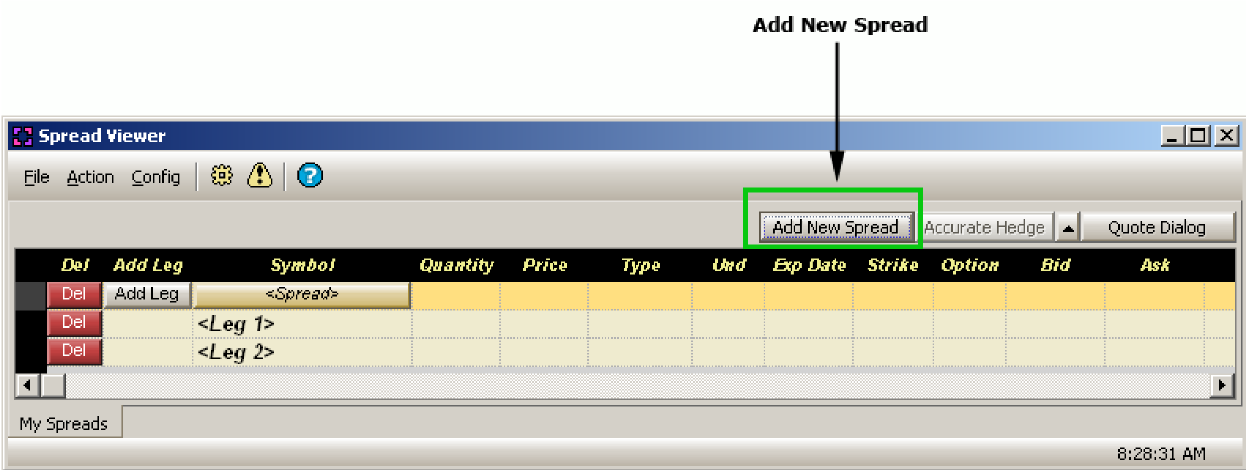
From the WTP toolbar, select **Analyze-->Spread Viewer**.

Alternate Method:

From the WTP menu, select **Spread Viewer**.

Add a Spread

Press the **Add New Spread** button to add a spread to the Spread Viewer. Two new lines (labeled ***<Leg 1>*** and ***<Leg 2>***) will automatically be added as follows:



Leg parameters are defined on each line of the Spread Viewer grid.

Click on ***<Leg 1>*** to define a symbol from the drop-down list. Once a symbol is selected, select a side type, an Option command (Put or Call), a strike price, and root symbol.

Once the data has been added, the top row summarizes the symbol, expiration date, option, and strike price:

Continue by defining the parameters of ***<Leg 2>****.*

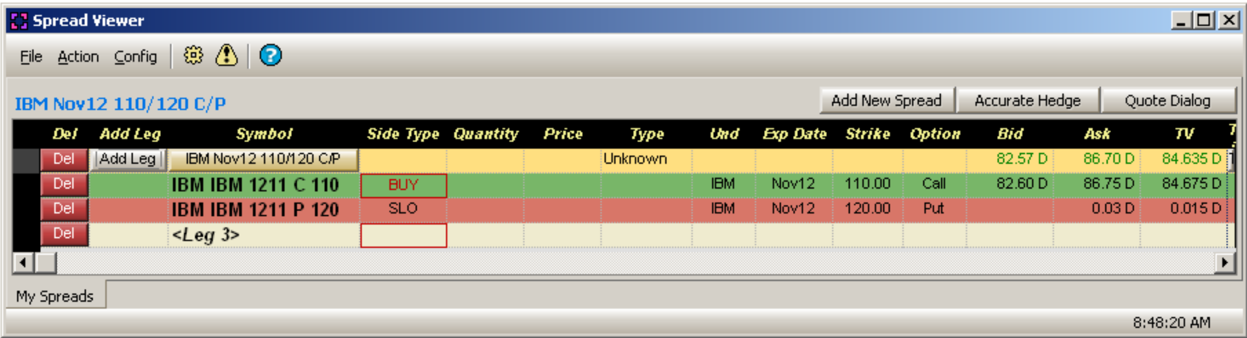
Add New Leg to a Spread

Press the **Add Leg** button to add a leg to the defined spread.

Alternate Method:

Press **Insert** on the keyboard.

A new row will open below the previous leg with a number that follows the previous leg number. Enter leg data (symbol, exp. date, strike, option, root). The top-most row summarizes the spread:



Additional legs can be appended to the existing spread by following the same procedure.

Toggle the View of the Spread

Toggle the top-most row in the Symbol column of a defined spread to reveal or hide the spread summary:

Spread Viewer hiding spread data

Accurate/Delta Hedge

Delta Hedge can be selected instead of Accurate Hedge in a single option leg configuration.

The **Accurate Hedge** button inserts an Equity leg (or modifies one that already exists) to bring the total Delta for the order to zero. If the Delta is positive then a Sell Equity Leg will be inserted. Conversely, a Buy Leg will be added for negative deltas. Equity legs are added in lots of 100, so the Equity will only be added if the offending Delta is more than 50 (or less than -50).

In a single option leg configuration, **Delta Hedge** can be selected instead of **Accurate Hedge** by pressing the up arrow next to the button. When Delta Hedge is in force, the stock leg ratio is changed to 100 (or -100).

Note: If the legs are close to zero already, selecting **Accurate Hedge** will have no effect.

Delete Leg(s)

One or more legs can be delete in a single pass.

Delete a single leg:

Click on the leg to be deleted. Press the **delete** key or the **Delete Leg(s)** button.

Delete multiple legs:

Hold down the **Ctrl** key and click on each leg to be deleted. Press the **delete** key or the **Delete Leg(s)** button.

Delete Spread(s)

One or more spreads can be delete in a single pass.

Delete a single spread:

Click on the row containing the spread. Press the **delete** key or the **Delete Spread(s)** button.

Delete multiple spreads:

Hold down the **Ctrl** key and click on each spread to be deleted. Press the **delete** key or the **Delete Spread(s)** button.

Quote Dialog

Quotes

Enab	Exch	Bid	Bid Size	Ask	Ask Size
☒	ASE	0.10 C	0	0	0
☒	CBOE	3.65 D	84	3.85 D	0
☒	ISE	3.65 D	116	3.85 D	0
☒	PSE	3.65 D	25	3.85 D	0
☒	PHLX	3.65 D	105	3.85 D	0
☒	BOX	3.65 D	33	3.85 D	0
☒	NDQ	3.65 D	25	3.80 D	0
☒	BATS	3.35 C	1	6.25 D	0

A quotes dialog table that displays quotes from selected exchanges can be viewed by pressing the **Quote Dialog** button.

The quotes table will display quotes from the security selected in the ticket. Current quote prices as well as the marketability of the quotes are shown. Quotes in **green** are marketable, quotes in **yellow** are possible.

By default all exchanges are selected in the quotes window. To disable an exchange from reporting in the quotes window, uncheck the box in the **Enable** column in the row of the exchange.

Launch Order Ticket or Spread Ticket from Spread Viewer

Launch Order Ticket from Spread Viewer

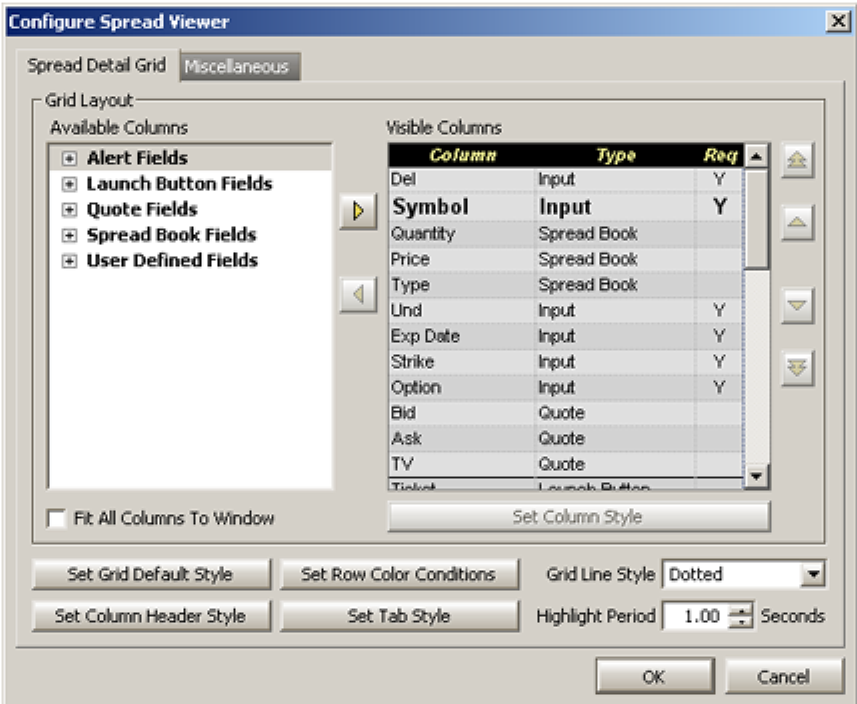
Spreads in Spread Viewer can be sent to the Order Ticket where it can be executed.

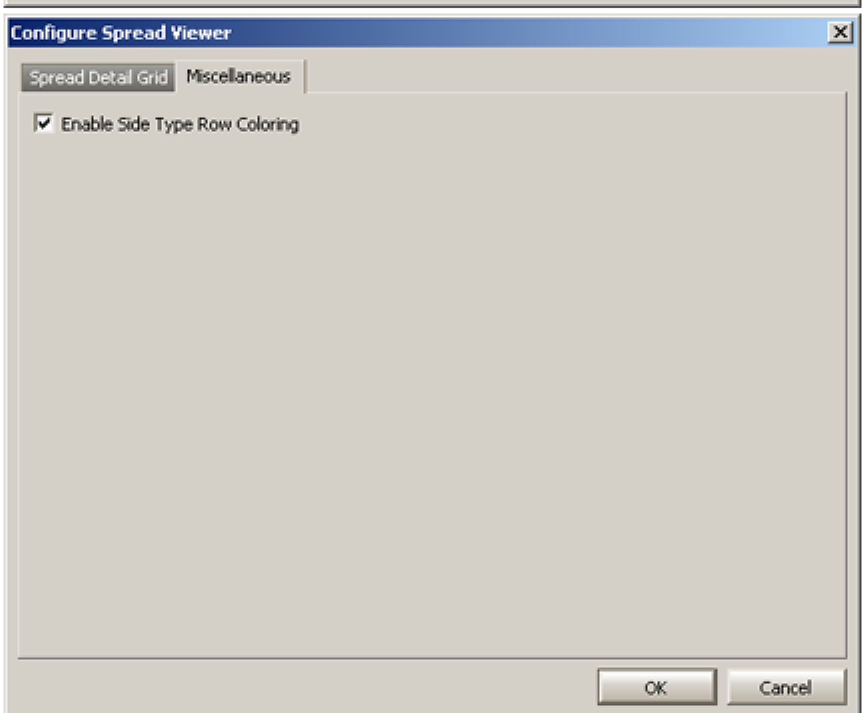
In the row containing the spread, double-click on the Bid or Ask fields. Order Ticket will launch for that leg only.

Launch Spread Ticket from Spread Viewer

To launch the Spread Ticket from Spread Viewer, double-click on the spread summary row in the Bid, Ask, or Mid fields.

Configure Spread Viewer





Press the config icon  to open the configuration window.

Alternate Method:

From the **Config** menu select **Configuration**.

The available columns in the grid layout are configured in Spread Viewer.

Learn more about customizing columns **here**.

Miscellaneous Tab

Enable Side Type Row Coloring—Check this box to display the Buy side in one color and the Sell side in another. The colors for Buy and Sell are configured in Global Configuration, under the **Theme** tab.

Learn more about customizing columns **here**.

Create a Connection between Spread Viewer and Other Applets

In addition to sending orders to **Spread Builder**, a connection between Spread Viewer and other WTP applets can be created with the **Send To-->** command.

From the **Action** column select **Send To-->** and select the applet.

Learn more about establishing connections **here**.

Templates

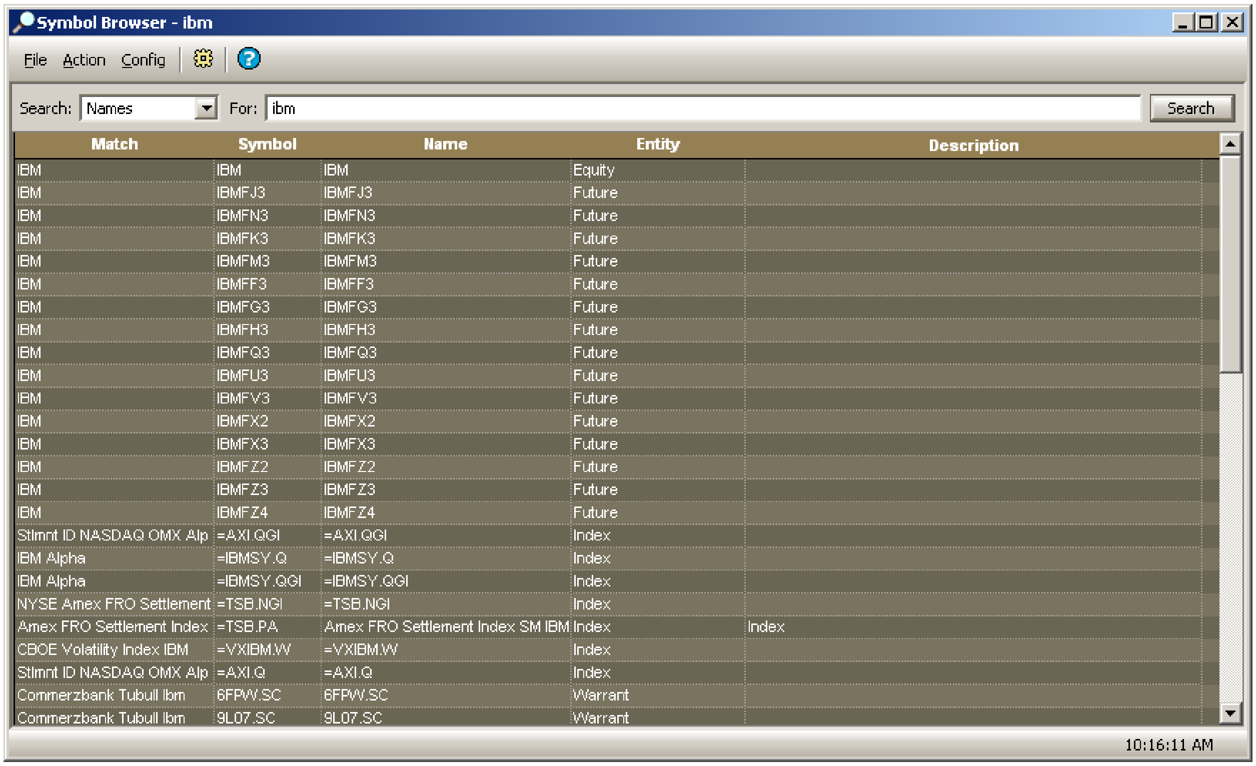
The Spread Viewer grid can be saved as a template or default template.

The **File** menu contains the template save and call commands.

Learn more about templates **here**.

Symbol Browser

Search for securities by name or symbol in Symbol Browser. Symbols in the grid can be sent to populate other WTP applets. Also, customization allows for the addition of quote fields.



Symbol Browser Requirement

An **Activ Quote Connection** is required in order for Symbol Browser to search for names and symbols.

Launch Symbol Browser

From the WTP menu select **Symbol Browser**.

Alternate Method:

From the WTP toolbar select **Explore-->Symbol Browser**.

Search for Names or Symbols

1. In the **Search** field, select either **Names** or **Symbols** from the drop-down list.

2. In the **For** field enter either the stock **Name** (e.g., **Oracle**) or symbol (e.g., **Orcl**).

3. Hit enter or press the **Search** button.

Note: If the columns **"Symbol"** and **"Name"** are present in Symbol Browser, both symbols and names will be displayed in the grid after a successful search.

Search Tips

- **Names**—Symbol Browser will search for security names if only a portion of the name is entered in the **For** field. A minimum of three letters/numerals is required to initiate a search.

  For example, a search for **gen** yields **General Electric, General Dynamics, Genco,** etc.

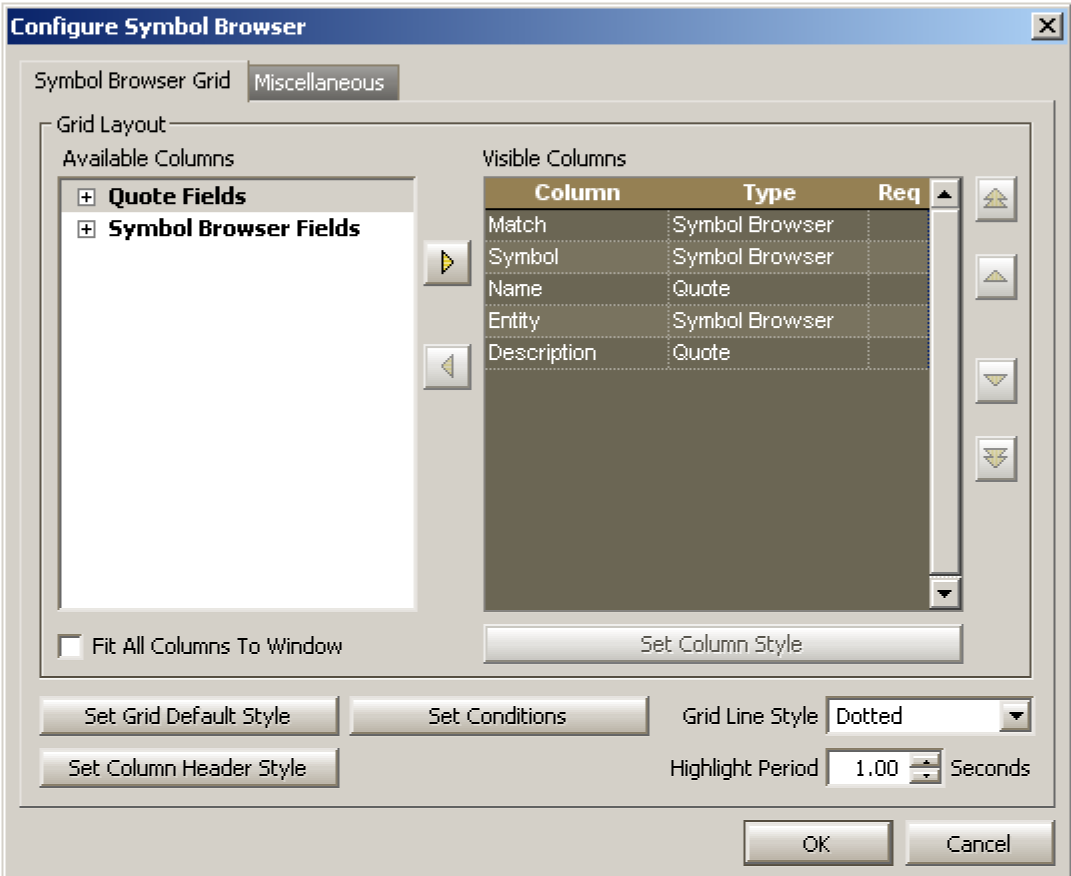
- **Symbols**—Symbol Browser will search for symbol names with a minimum of a single character. The limitation of using a single character in a symbol search is that Symbol Browser will only display the symbols that *exactly match* the search criteria.

  For example, if searching for the letter **A**, Symbol Browser returns the symbols that exactly match (e.g., **Agilent Tech** whose symbol is **"A"** and related symbols **"A.EA, A.EL, A.OB**, but not **AAPL**).

- **Exact Search**—Search criteria enclosed in double quotes returns all names containing the enclosed word(s).

  For example, a Names search for **"Equity"** yields **Energy Equity Corp., Allegiance Equity Corp., Mainstreet Equity Corp.,** etc.

Configure Symbol Browser



To launch the Configuration window:

Press the configuration icon .

Alternate Methods:

- Right-click anywhere in the grid and select **Configuration**.
- From the **Config** menu select **Configuration**.

Add/Remove Columns

Learn how to set up columns and define formatting **here**.

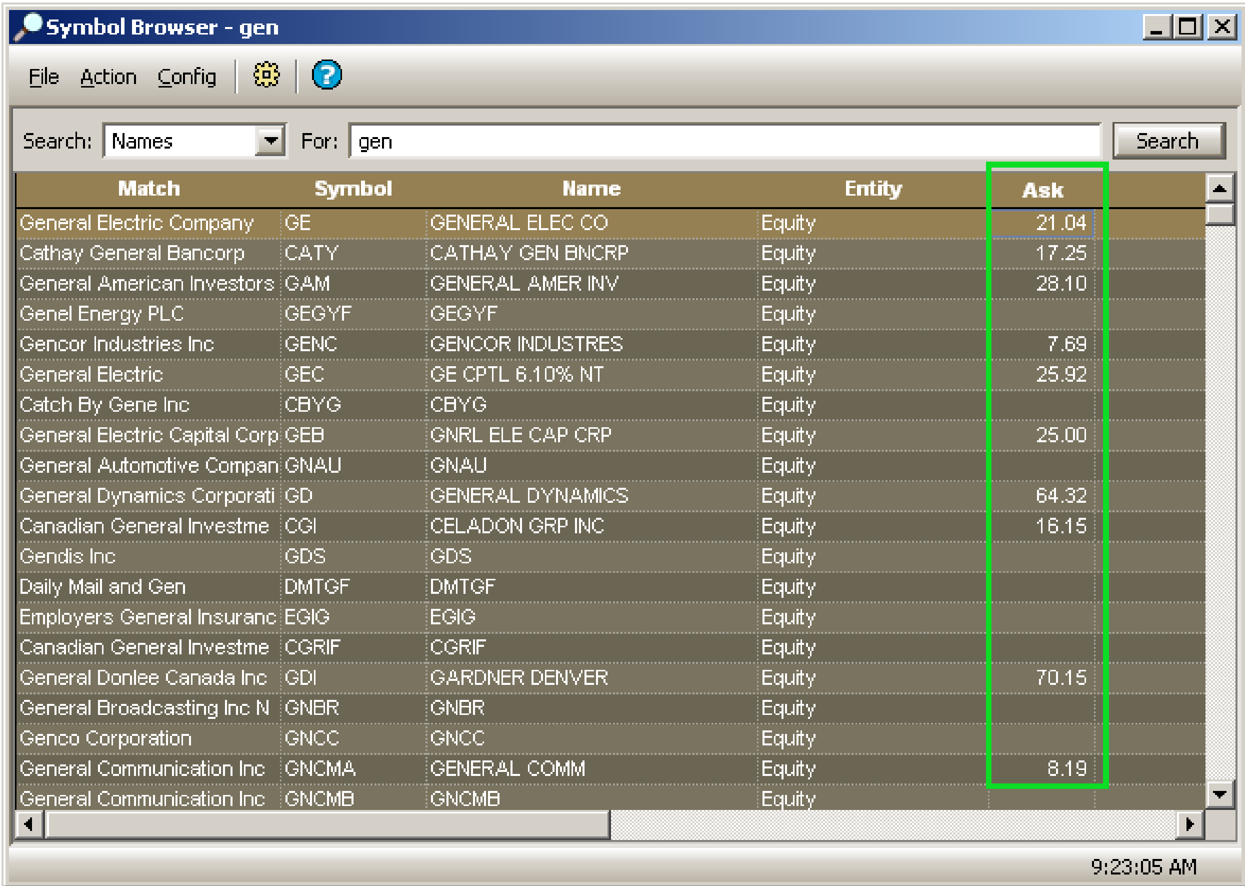
Miscellaneous Tab

Check the **Sort Equities to Top** box to display equity entities at the top of the Symbol Browser grid. If unchecked, entities will be listed in alphabetical/numerical order.

Sorting Data Within Columns

As with all WTP grids, data within columns can have their alphabetical/numerical order changed by double-clicking on a column's head.

Place Orders from Symbol Browser with Quote Fields



Ask column added to Symbol Browser

Adding quote fields (ask, bid, last, etc.) to Symbol Browser offers easy method for creating orders directly from the app.

In the image above, real-time quotes are displayed by adding the **Ask** column. Double-click on a quote to open the **Order Ticket**. The stock symbol and quote will automatically populate the Order Ticket.

Display Entities

The entities that are to be displayed in the **Entity** column can be filtered. Click on the **Entity** column head and select the entities to be displayed from the drop-down list.

Show/Hide the Status Bar

In the **Config** menu, select **Status Bar** to display the current time and any system messages at the bottom of the Symbol Browser window.

Send Symbol Browser Content to Other WTP Applets

Symbols in Symbol Browser can be sent to other WTP applets via the **Send to** command.

From the **Action** column select **Send to-->.** Select the applet to send the Symbol.

Alternate Method:

Right-click anywhere in the Symbol Browser grid and select **Send to-->**.

Learn more about the **Send to** feature **here**.

Templates

Symbol Browser configurations can be saved as templates.

Learn about templates **here**.

Export Grid Data

Data in the Symbol Browser can be exported to a file, clipboard, or Excel spreadsheet.

Learn about exporting grid data **here**.

Copy, Copy This Cell

The **Copy** command copies all selected rows. The **Copy This Cell** command copies a selected cell.

To Copy:

1. Select one or more rows.
2. From the **Action** column select **Copy.**

   Alternate Methods:

- Right-click on the highlighted rows and select **Copy.**
- Press **Ctrl +c** after highlighting the row(s)

Note: The copy command copies the selected data *and* their row numbers and column heads.

To Copy a Cell:

1. Click on the cell to be copied.
2. From the **Action** menu, select **Copy This Cell**.

   Alternate Methods:

- Right-click on the cell to be copied, and select **Copy This Cell**.
- Click on the cell to be copied and enter **Shift + Ctrl +c**.

Printing

The data in Symbol Browser can be printed.

Learn about the printing feature **here**.

Tick Chart Viewer

Tick Chart Viewer displays charting data for stocks. Various chart types can be configured including HLOC (high/low/open/close), Candle Stick, Closing, Median, and Typical prices, and Weighted closing.

Configuration consists of beginning and end dates. Real-time charting can be configured as well as the time period for reporting trades. Tick Chart Viewer's optional bar graph can be setup to display data in increments from one minute to one day.

New orders can be placed and canceled and other WTP applets can be opened via the **Action** menu.

Launch Chart Viewer

From the WTP Toolbar, select **Analyze** then **Chart Viewer**.

Alternate Method:

From the WTP menu select **Chart Viewer**.

Select Reporting Days

Select the charting date range in Tick Chart Viewer by one of two methods:

- From the drop-down list of preset dates
- Manually entering the date range

Press the radio button next to the drop-down list select one of the following:

- Today
- Week
- Month
- 3 Month
- Year
- YTD (year to date)

To manually enter the from/to dates, press the radio button next to **From** and type in the date range or select the dates from the drop-down list.

Select the Bar Size

The horizontal axis in Tick Chart Viewer reflects incrementally the selection made in the **Bar Size** drop-down list. Select one of the following:

- 1 Minute
- 5 Minutes
- 10 Minutes
- 1 Hour
- 6 Hours
- 1 Day

Refresh Button

Press the Refresh Button as often as desired to repaint Tick Chart Viewer data.

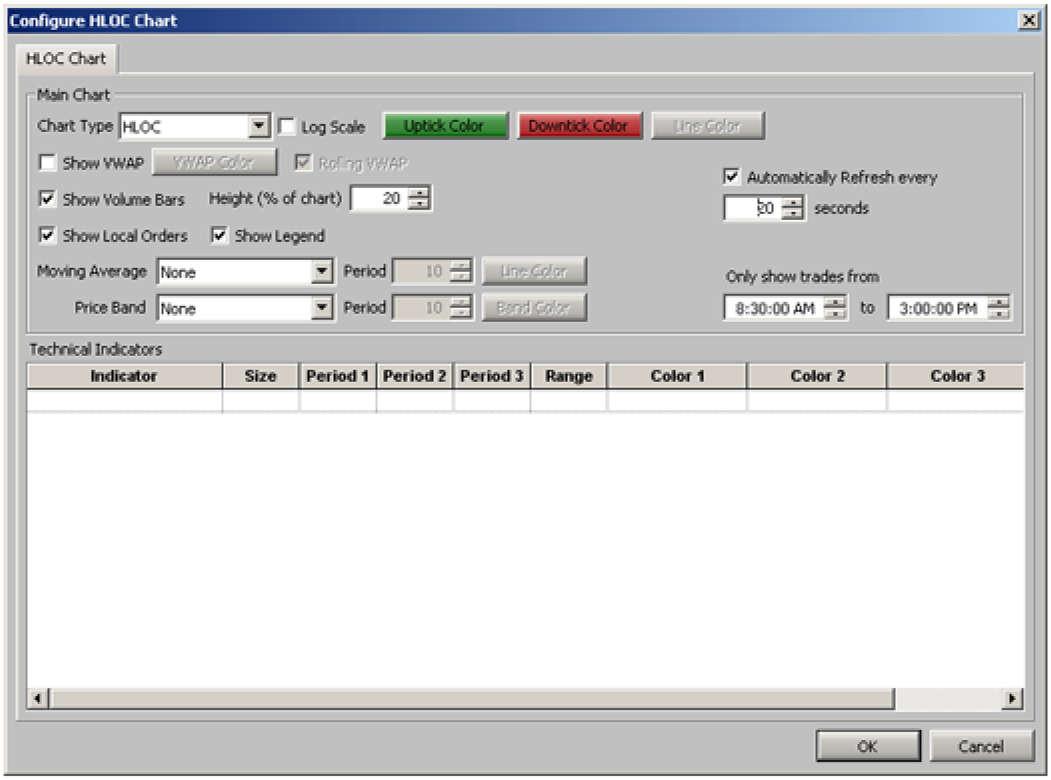
Hint: It might be beneficial to lower the Bar Size reporting times to avoid continued use of the Refresh button.

Zoom Feature

The zoom function is located on the lower left corner of Tick Chart Viewer. To zoom in on the chart, press the + key. A zoom tool in the shape of a magnifying glass will appear in the chart. Repeated pressing of the tool brings up a higher level of magnification. When zooming in on a chart, horizontal scrolling is enabled.

Pressing the — zoom key results in the "zoom out" tool being displayed in Tick Chart Viewer. Repeated pressing of this tool causes the chart to reverse its previous zoom level, eventually resulting in the original non-zoom display

Configure Tick Chart Viewer



A number of display options are configured through Tick Chart Viewer's configuration window including the chart type, color display, moving average and price band types.

Open the Configuration Window

Press the configuration icon **.**

Alternate Method:

From the **Config** menu select **Configuration.**

Select the Chart Type

Different data is displayed depending on the selected chart.

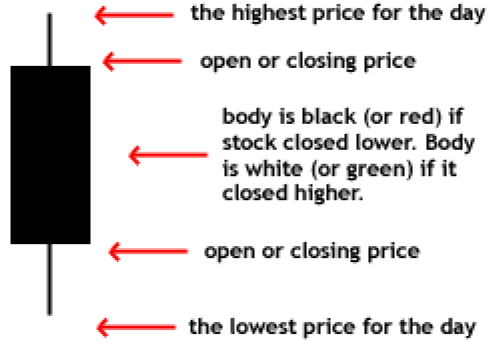
From the drop-down list select the desired chart type:

- **HLOC (H**igh **L**ow **O**pen **C**lose)**—**default (see the image at the top of this section).

  Charted data displayed:

Opening, High, Low, and Closing Prices
Local Buy Orders (optional)
Local Sell Orders (optional)

- **Candle Stick——**Charting that displays the following:



Candle Stick chart

Charted data displayed: Same as HLOC

- **Closing Price—**a single line plotted for the closing price of a selected bar size.

  Charted data displayed:

  Closing Price
  Local Buy Orders (optional)
  Local Sell Orders (optional)

- **Median Price—**a single line plotted for the median (i.e., mid-point) price of a selected bar size.

  Charted data displayed:

  Median Price
  Local Buy Orders (optional)

Local Sell Orders (optional)

- **Typical Price—**a single line plotted for the typical price (i.e., average price) of a selected bar size.

  Charted data displayed:

  Typical Price
  Local Buy Orders (optional)
  Local Sell Orders (optional)

- **Weighted Close—**a single line plotted for the weighted close of a selected bar size.

  The weighted close is calculated as: **(High + Low + Close x 2) / 4**

  Charted data displayed:

  Weighted Close Price
  Local Buy Orders (optional)
  Local Sell Orders (optional)

Log Scale

The default display for Tick Chart Viewer is via the linear scale axis.

Check the **Log Scale** box to have Tick Chart Viewer display charting data using the logarithmic scale axis.

The Log Scale applies only to the price axis.

Chart Type Colors

The line colors displayed in the chart types can be configured.

For the HLOC and Candle Stick Chart types:

Click on either the **Uptick Color box** (green by default) or **Downtick Color box** (red by default) to open a color window where a basic color can be selected or a custom color can be defined.

For Closing Price, Median Price, Typical Price, and Weighted Close Chart types:

Click on the **Line Color box** to open the color window where a basic line color can be selected or a custom color defined.

Show VWAP

Click the **Show VWAP** (**V**olume **W**eighted **A**verage **P**rice) box to display its charted data.

VWAP Color

Click the **VWAP Color** button to open a color window where a basic VWAP line color can be selected or a custom color defined.

Rolling VWAP

A **non-rolling VWAP** is the default VWAP setting and generally follows the graph data in whatever chart type has been selected.

A **rolling VWAP** is calculated as a *weighted average* of all VWAPs.

Show Volume Bars

Volume Bars display volume data for a selected stock based on the number of shares traded and encompasses the selected date range. The Volume Bars are placed at the bottom of Tick Chart Viewer.

By default, the **Show Volume Bars** box is checked. To not display Volume Bars, uncheck this box.

Height of Volume Bars

By default the height of the Volume Bars is 20% (or one-fifth) the size of Tick Chart Viewer.

To increase the size of the Volume Bars key in a percentage value (or select a value from the spinner arrows). As a general rule, limit the size of the Volume Bars to 50% of Tick Chart Viewer to allow the Volume Bars and Chart Viewer data to be equally visible.

Show Local Orders

Show Local Orders refers to executed orders only.

Check the **Show Local Orders** box to display **Local Sell Orders** and **Local Buy Orders** in Tick Chart Viewer.

Show Legend

By default, the legend in Tick Chart Viewer is displayed. Un-check the **Show Legend** box to hide the legend.

Moving Average

Moving averages display an overall trend direction and are normally calculated using a stock's closing price. Moving averages can also be determined with median, typical, or weighted close prices.

Select a Moving Average Type

From the drop-down list in the **Moving Average** field, select a moving average type:

- **Simple**—The average stock price over a certain period of time
- **Exponential**—Similar to a Simple Moving Average. an exponentially weighted moving average gives more credence to a most recent time period (i.e., what trades

are doing now).

- **Triangular**—The triangular moving average gives more weight to the *middle values* of moving average data rather than early or late values.

- **Weighted**—The weighted moving average is the weighted average of the last number of a defined time period.

Select a Moving Average Time Period

Key in a value (or use the up/down spinners) that represent the value of the selected **Bar Size** in which the Moving Average is calculated. For example, if the Bar Size is set for one day and the Moving Average period is set for 20, then 20 days are plotted.

Define a Moving Average Line Color

Press the **Line Color** button to open the color window where a basic color or custom color can be defined for the moving average line.

Price Band

One of three price bands (price range which stocks are priced) can be charted in Tick Chart Viewer.

Select one of the following price bands from the drop-down list:

- **Bollinger Bands**—Provide a relative analysis in which graph lines are plotted by two standard deviations *above* and *below* a moving average.
  A market which approaches an upper band is usually thought of as being overbought while a market approaching the lower band is thought of as oversold.

- **Donchian Channel**—Similar to Bollinger Bands, Donchian Channel performs a calculation using only the *recent* high and low prices (rather than standard deviations).

- **Envelope**—Band envelope consists of moving averages calculated from the underlying price that is shifted up and down by a fixed percentage. These averages can be simple, exponential, or weighted.

Select a Price Band Time Period

Key in a value (or use the up/down spinners) that represent the number of days in which the price band is calculated.

Define a Price Band Line Color

Press the **Line Color** button to open the color window where a basic color or custom color can be defined for the price band line.

Auto Refresh

Check the **Automatically Refresh Every** box and enter a value (in seconds) to have Tick Chart Viewer refresh the chart.

If unchecked, Tick Chart Viewer will only refresh when the **Refresh** button (above the chart) is pressed.

The minimum refresh interval is 10 seconds.

Only Show Trades From…

Tick Chart Viewer will show trades only from a specifically defined time period.

Manually key in the start/stop times or use the up/down spinner arrows.

Technical Indicators

There are a number of technical indicators from which to choose. These indicators are charted in its own graph below Tick Chart Viewer. Depending on the selected indicator, up to three colors are defined. As with all colors in Tick Chart Viewer, they can be customized.

With each indicator are a number of customized fields that are defined. The fields that can be edited (those with up/down spinner arrows) are dependent on the selected technical indicator:

- **Size**—The height of the indicator chart in pixels.
- **Period (1, 2, 3)**—The period to compute the indicator.
- **Range**—Defined by the chart type.
- **Color (1, 2, 3)**—The color(s) used to represent a specific indicator line. Each color can be customized.

Select an indicator from the drop-down list in the **Indicator** field.

More than one technical indicator can be simultaneously defined. Each defined technical indicator is stacked in its own chart.

- **Accumulation/Distribution**—Determined by the changes in price and volume. As the indicator grows it refers the buying of a security. If it drops it indicates the selling of a security.
- **Aroon**—Used for defining trends. An Up indicator and a Down indicator are displayed.
- **Aroon Oscillator**—The trend stop and start of a sideways trend and is calculated as the difference between Aroon Up and Aroon Down.
- **Average Directional Index**—Determines a price trend (positive, negative, average).
- **Average True Range**—An indicator showing the volatility of the market.

- **Bollinger Band Width**—Represents the expanding and contracting of the bands based on market volatility.

- **Commodity Channel Index**—The deviation of the commodity price from its average statistical price (defined with an indicator line, above and below thresholds).

- **Chaikin Money Flow**—Based on the observation that buying support is normally signaled by increased volume and frequent closes in the top half of the daily range. Selling pressure is seen by increased volume and frequent closes in the lower half of the daily range.

- **Chaikin Oscillator**—The difference of the moving averages of the **Accumulation/Distribution** indicator.

- **Chaikin Volatility**—A determination of the volatility of financial data using the percentage of change in a moving average of the high vs. low price over a given time.

  Period 1: The period to smooth the range.
  Period 2: The period to compute the rate of change of the smoothed range.

- **Close Location Value**—A measure to determine where the price of a stock closes relative to the day's high and low. CLV ranges between +1 and -1 where +1 means the close is equal to the high and a value of -1 means the close is equal to the day's low.

- **Detrend Price Oscillator**—Used to isolate short-term cycles comparing the closing price to a prior moving average.

- **Donchian Channel Width**—A moving average plotting the highest high and lowest low for a set period.

- **Ease Of Movement**—Highlights the relationship between volume and price changes used primarily for assessing the strength of a trend.

- **Fast Stochastic**—Used to track momentum, two lines are used: **%K** compares the latest closing price to the recent trade range, and **%D** is a signal line calculated by smoothing **%K**.

  Period 1: The period to compute the %K line.
  Period 2: The period to compute the %D line.

- **MACD**—**M**oving **A**verage **C**onvergence **D**ivergence. MACD measures the distance between two moving average lines and used to trade trends.

  Period 1: The first moving average period to compute the indicator.
  Period 2: The second moving average period to compute the indicator.
  Period 3: The moving average period of the signal line.

- **Mass Index**—Used in the detection of trend turns based on changes in the bandwidth between the maximum and minimal price. If the bandwidth expands, the Mass Index increases. If it narrows, the Mass Index decreases.

- **Money Flow Index**—An indicator which shows the rate at which money is invested into a security and then withdrawn from it.

  Range: The distance between the middle line and the upper and lower threshold lines.

- **Momentum**—A measurement of the amount that a security's price has changed over a given time span. It is calculated as a ratio of today's price to the price of several periods ago.

- **Moving Standard Deviation**—A measure of market volatility (though it makes no prediction of market direction).

- **Negative Volume Index**—An index that focuses on the days where the volume has significantly decreased from the previous day's trading.

- **On Balance Volume**—An indicator that adds a period's volume when the close is up and subtracts the period's volume when the close is down. The concept is that volume precedes price.

- **Performance**—The performance indicator of a selected security.

- **Percentage Price Oscillator**—A technical momentum indicator showing the relationship between two moving averages based on price.

  Period 1: The first moving average period to compute the indicator.
  Period 2: The second moving average period to compute the indicator.
  Period 3: The moving average period of the signal line.

- **Positive Volume Index**—An index that focuses on days where the volume has significantly increased from the previous day's trading.

- **Percentage Volume Oscillator**—A technical momentum indicator showing the relationship between two moving averages based on volume.

  Period 1: The first moving average period to compute the indicator.
  Period 2: The second moving average period to compute the indicator.
  Period 3: The moving average period of the signal line.

- **Price Volume Trend**—A technical indicator used to determine the balance between a stock's demand and supply depending upon its upward and downward movement.

- **Rate of Change**—The speed at which a variable changes over a specific time period. The rate of change is represented by the slope of the line.

- **Relative Strength Index**—A technical momentum indicator that compares the magnitude of recent gains to recent losses in an attempt to determine overbought and oversold conditions of an asset.

  Range: The distance between the middle line and the upper and lower threshold lines.

- **Slow Stochastic**—An indicator that compares two lines (**%K** and **%D**) to predict the possibility of an uptrend or a downtrend. The **%K** value is based on a 3-period moving average of the **%K** fast stochastics value. The **%D** value is based on a 3-period moving average of the **%K** slow stochastics value.

  Period 1: The period to compute the %K line.
  Period 2: The period to compute the %D line.

- **Stochastic RSI**—An indicator that ranges between zero and one and is deemed to be oversold when the value drops below 0.20 meaning the RSI (Relative Strength Index) value is trading at the lower end of its predefined range. It also indicates that the short-term direction of a security is near to a correction. A reading above 0.80 is indicative that the RSI is reaching an extreme level and could signal a pullback of a security.

  Range: The distance between the middle line and the upper and lower threshold lines.

- **TRIX**—Used in determining of overbought or oversold market conditions. A positive value indicates and overbought market. A negative value indicates an oversold market.

- **Ultimate Oscillator**—Combines a stock's price action during three different time frames. Values range from 0 to 100 with 50 as the center line. An oversold stock exists below 30 and an overbought stock extends from 70 to 100.

  Period 1: The first moving average period to compute the indicator.
  Period 2: The second moving average period to compute the indicator.
  Period 3: The third moving average period to compute the indicator.
  Range: The distance between the middle line and the upper and lower threshold lines.

- **Volume Indicator**—Displays in the same manner as the volume indicator in Tick Chart Viewer.

- **William %R**—A momentum indicator that displays the relationship of the close relative to the high/low range over a defined period of time (usually 14 days).

  Range: The distance between the middle line and the upper and lower threshold lines.

Reading Chart and Volume Data

The value of each plotted point along a Chart Viewer's x/y axis is viewed by positioning the mouse over the graph's line.

Local orders are displayed in the chart. They are designated by a square in one of various colors depending on their status. The legend at the top of Tick Chart Viewer defines the various states of an order.

Changed orders are marked with a circle. For non-limit orders that have been changed, the order's average price is displayed.

Canceled orders that have been **partially filled** are marked with an **X**. Canceled orders with a **zero filled** quantity will not be displayed.

For volume data, position the mouse over each bar in the graph for a detailed readout.

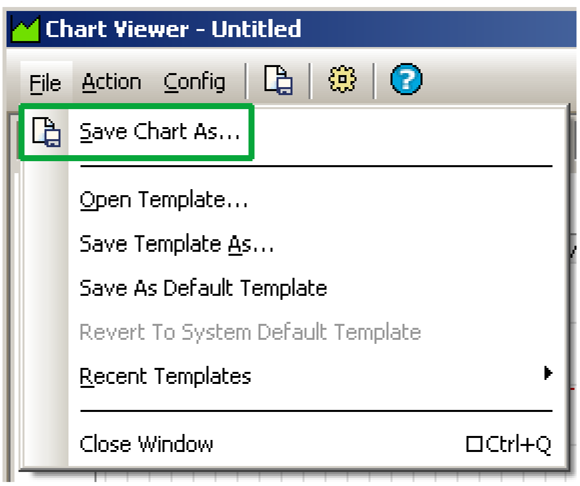
Save Settings in a Template

Configuration settings for Tick Chart Viewer can be saved in a template. The file will have a **.hloct** extension.

Also, a desired chart can be saved as a default. Template commands are found in the **File** menu.

Read more about templates **here**.

Save Chart as an Image File



The **Save Chart As** feature allows you to save a chart as an image file in one of the following formats:

- bmp
- png
- jpg
- gif

Save a Chart as an Image File:

From the **File** column in Chart Viewer, select **Save Chart As...**

Alternate Method:

Right-click anywhere on the chart itself. Select **File Commands-->Save Chart As...**

When the **Save As** window opens, select a file name, file type, and destination for the chart image.

Open Other WTP Applets from Tick Chart Viewer

Other WTP applets such as the Option Quote Cube via the **send to** command in the **Action** menu in Tick Chart Viewer.

The only thing that is actually sent to these applets is the security name currently displayed in Tick Chart Viewer.

Create and Cancel Orders from Tick Chart Viewer

Press **Ctrl+n** to open the **Order Ticket.**

Alternate Method:

From the **Action** menu select **New Order**.

Press **Ctrl+z** to cancel all orders for a specific symbol.

Alternate Method:

From the **Action** menu select **Cancel All for Symbol xxx**.

Cancel All Orders

From the **Action** menu select **Cancel All Orders**.

Launch Equity Time and Sales from Tick Chart Viewer

Double-click anywhere in Tick Chart Viewer will launch **Equity Time and Sales**.

Toggle Symbol Tracking

The **Toggle Symbol Tracking** function is available in Tick Chart Viewer.

When enabled the symbol in Tick Chart Viewer will change depending on the symbol selected in other WTP applets.

Learn about Toggle Symbol Tracking **here**.

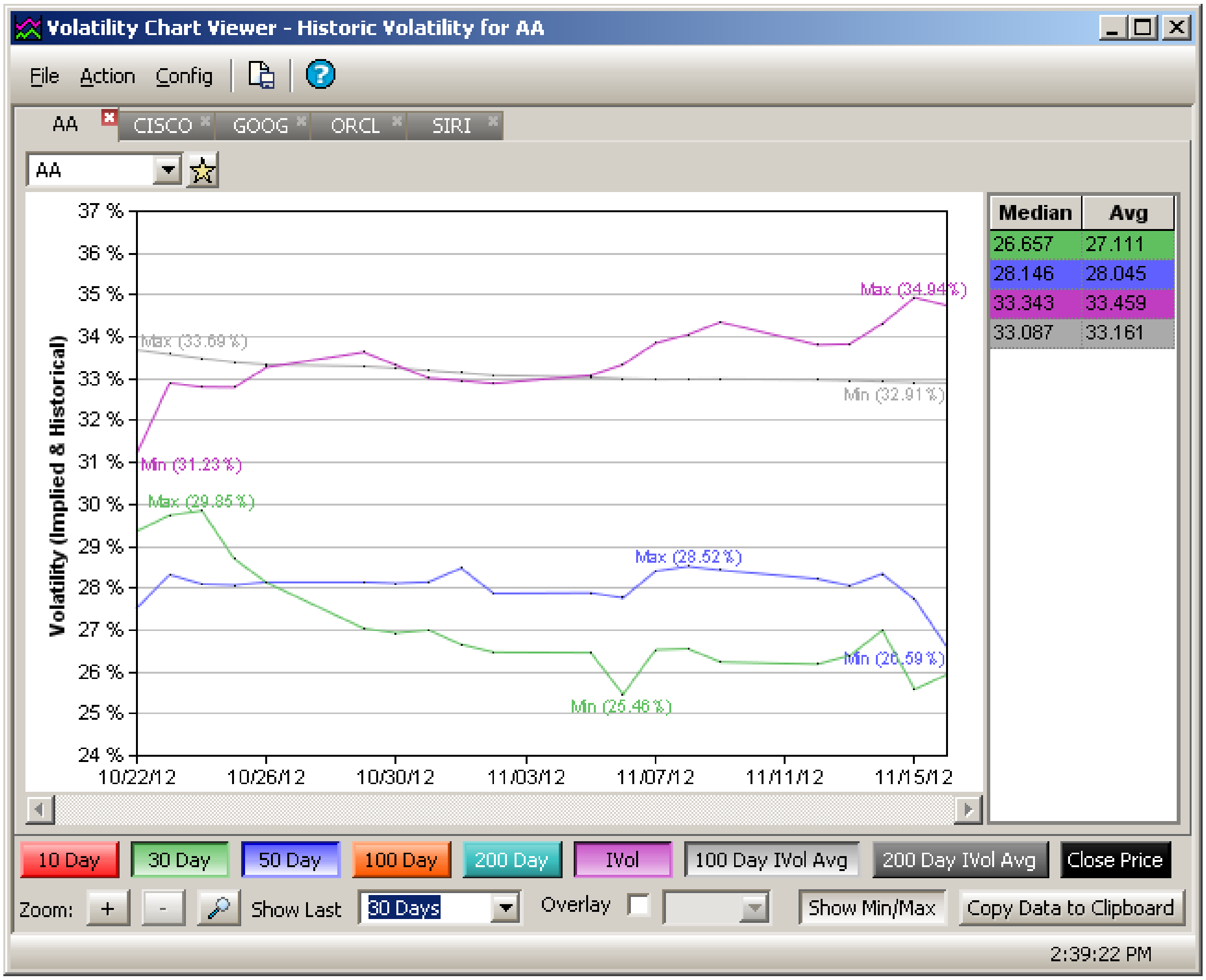
Status Bar

The status bar displays the current time and ready status of Tick Chart Viewer.

From the **Config** menu select **Status Bar** to enable/disable it.

Volatility Chart Viewer

With the Volatility Chart Viewer the volatility of a security can be displayed in a graph with a number of display options. A maximum of three years of charting data is available. The volatility is displayed as a percentage (both implied and historical) over a defined time period. The selected time along with closing prices and other measurable data can be incorporated in the graph. Additionally, the graph data can be saved as a text file or image file.



Launch Volatility Chart Viewer

From the **WTP menu** select **Volatility Chart Viewer**

Alternate Method:

From the **WTP toolbar** select **Analyze --> Volatility Chart Viewer**

Launch Volatility Chart Viewer from Option Quote Cube, Spread Trader, Equity Time and Sales, and Vol Trader

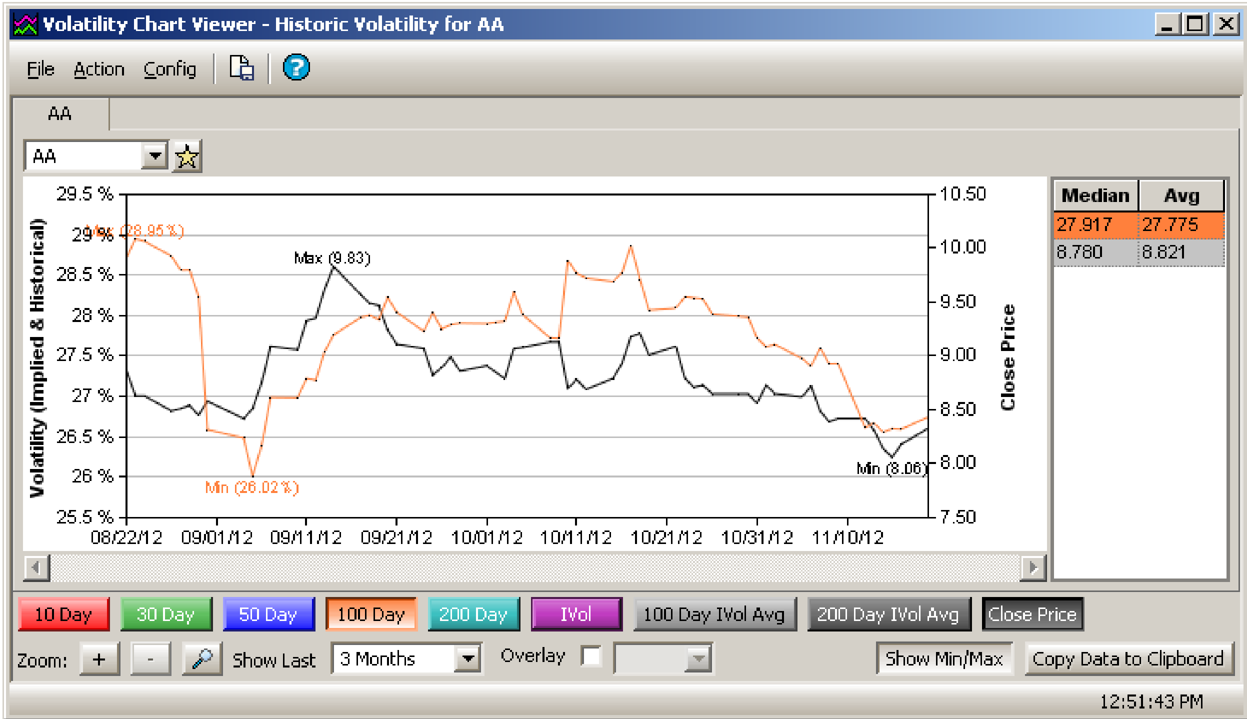
In **Option Quote Cube**, **Spread Trader**, **Equity Time and Sales**, and **Vol Trader**, press the volatility chart icon .

Display Selections

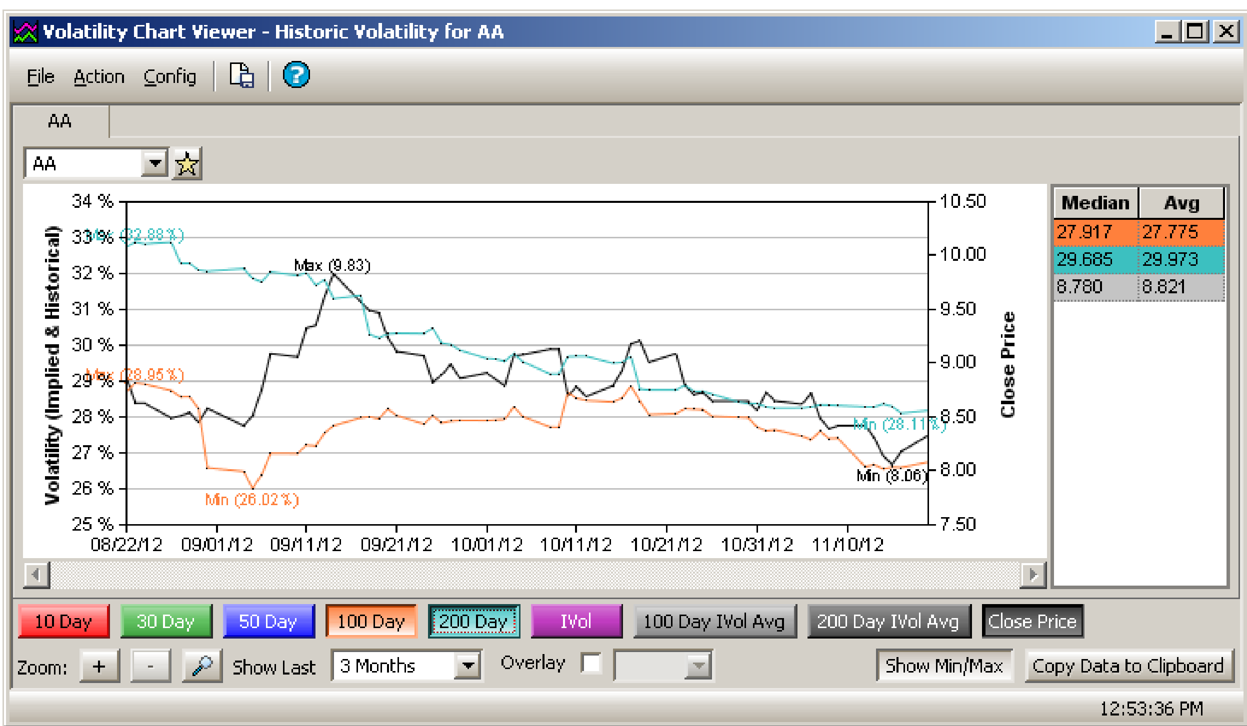
The historic volatility of a security can be measured in the following increments:

1. 10 day
2. 30 day
3. 50 day
4. 100 day
5. 200 day
6. IVOL (Implied volume)
7. 100 Day IVOL Avg
8. 200 Day IVOL Avg

Also, the security's close price can also be displayed. In the following example, a security is followed over 100 days along the closing price for that time period:



Other time periods can be seen within the same chart. Here, 100 and 200 days volatility, the close price, and the minimum/maximum prices are charted:



Median and Average Quotes

The median and average quotes for selected time periods along the median/average closing prices are seen in the Volatility Chart Viewer:

Median	Avg
65.304	63.373
52.236	50.983
14.150	14.119

Select Charting Dates on the X Axis

In the Show Last drop-down list a selection is made to define the time period of the graph. Options are:

1. 7 days
2. 30 days
3. 3 months
4. 6 months
5. 1 year
6. 2 years
7. 3 years

Zoom into the Volatility Chart Viewer

Two dates on the X-axis be selected and zoomed in, allowing a more detailed view of the symbol's activity.

To zoom into the Volatility Char Viewer:

1. Press the plus sign (+) next to Zoom.

2. Click anywhere in the Volatility chart to zoom into the chart. Successive clicks zoom further into the chart.

To zoom out of the Volatility Chart Viewer:

1. Press the minus button (-) next to Zoom

2. Click anywhere in the Volatility Chart Viewer to zoom out of the chart. Successive clicks zoom further out.

Select Two Time Periods for a Zoom

Two points on the Volatility Chart Viewer can be selected and zoomed in for a more detailed display.

To select two points:

1. Press the plus sign (+) next to **Zoom.**

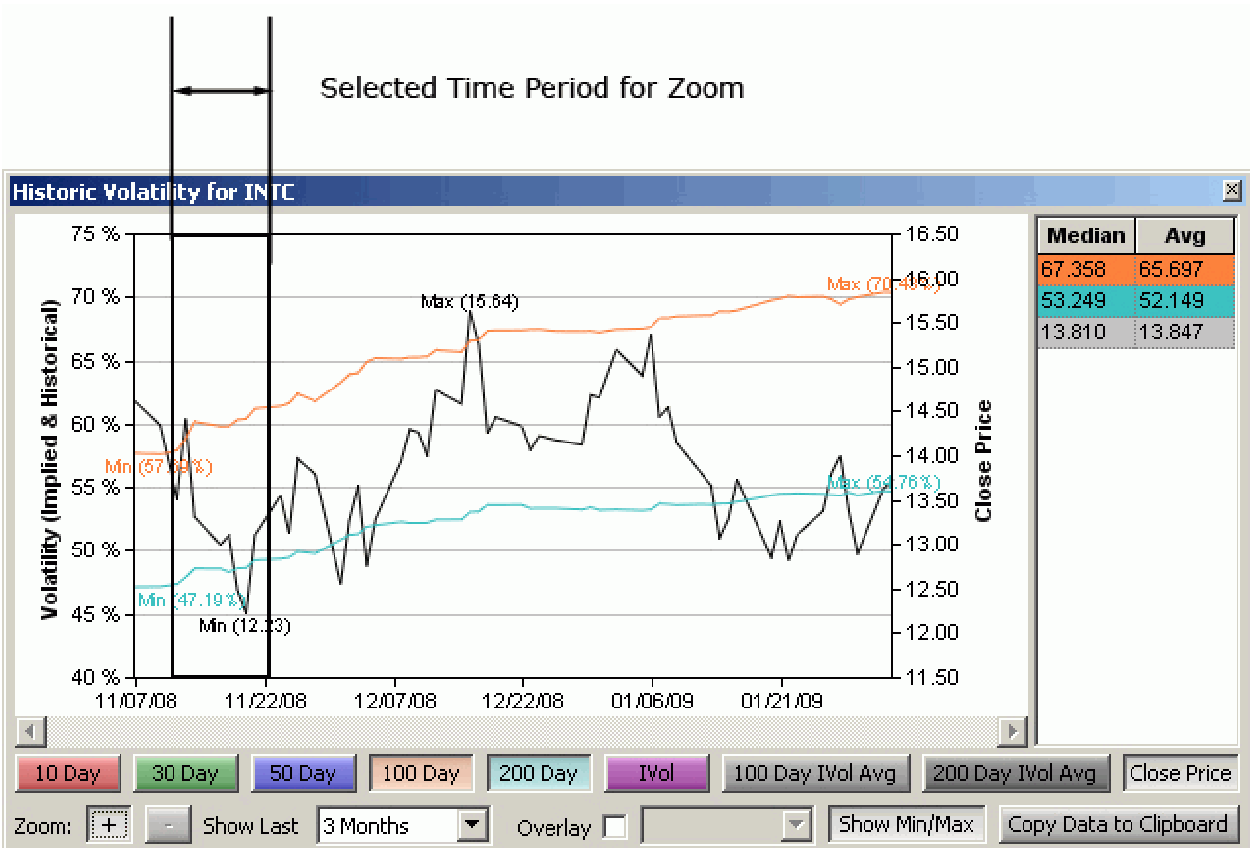
2. In the Volatility chart **press and hold** the left mouse button at the first point that is to be zoomed.

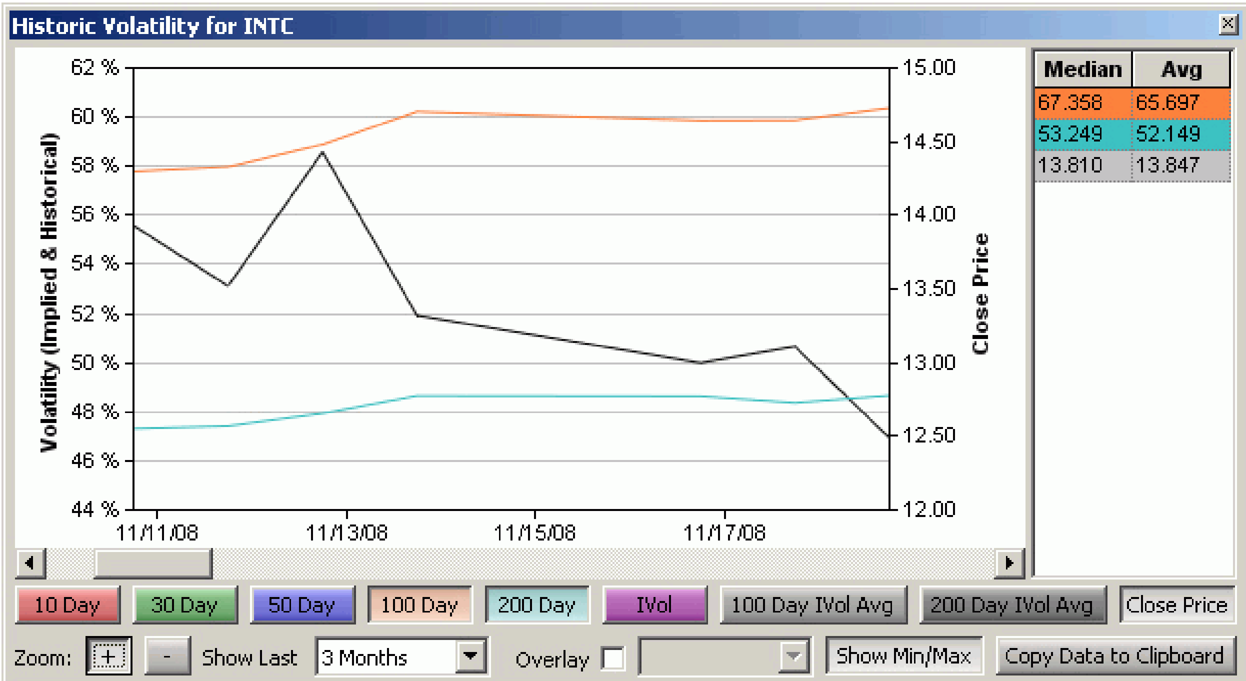
3. Drag the mouse to the second point that is to be zoomed.

4. Release the mouse button.

The display in the Volatility Chart Viewer will be zoomed in.

In the example below two points are selected and the resultant zoom is displayed:





To return to normal display, select the Zoom minus key and click on the Volatility chart.

Overlay Other Symbols in the Volatility Chart Viewer

Two symbols can be placed in the Volatility Chart Viewer for comparison purposes.

To select an additional symbol to add to an existing one:

1. Check the Overlay box.
2. From the drop-down list select a symbol to display in the Volatility Chart Viewer.

Tabs

When a new security is selected via the drop-down list it is added as a tab in Volatility Chart Viewer.

Learn about tabs **here**.

Send Symbols to Other WTP Apps with the "Send To" feature

The **send to** feature allows for a symbol displayed in the Volatility Chart Viewer to be sent to another WTP app (for example, the **Order Ticket**). The sent symbol will populate the symbol field in the receiving app.

Learn about the send to feature **here**.

Save Chart Image

The chart displayed in the Volatility Chart Viewer can be saved as an image file in various formats (.png, .jpg, .bmp, or .gif).

1. Select the **Save Chart Image** icon **.**
2. The **Save As** window will launch.
3. Enter a file name and image type and select **Save**.

Copy Data to Clipboard

Volatility Chart Viewer data (in numerical form) can be copied to the clipboard. The copied data can be pasted into a spreadsheet or word processing program.

Press the **Copy Data to Clipboard** button, found at the bottom-right portion of the Volatility Chart Viewer window.

Toggle Symbol Tracking

The **Volatility Chart Viewer** auto-populates with the symbol that has been selected in another WTP applet. Learn more about Toggle Symbol Tracking **here.**

Templates

Volatility Chart Viewer configurations can be saved as templates.

Learn about templates **here**.

Export Grid Data

Data in the Volatility Chart Viewer can be exported to a file, clipboard, or Excel spreadsheet.

Learn about exporting grid data **here**.

Printing

The data in the Volatility Chart Viewer can be printed.

Learn about the printing feature **here**.

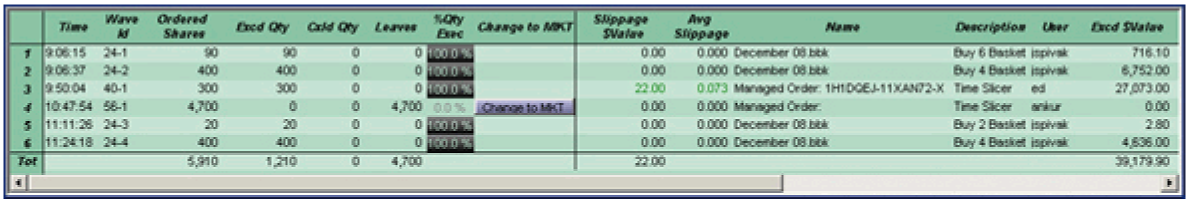
Status Bar

The status bar (at the bottom of the Volatility Chart Viewer window) displays the current time.

From the **Config** menu select **Status Bar** to enable/disable it.

Wave Grid

WTP groups orders (i.e., **waves**) are related to each other by their applets. The Wave Grid displays information about a day's waves in a grid, one row for each wave. Columns, users, and wave reporting can be totally customized. Waves can be changed and reversed (a sell for each buy and a buy for each sell), non-market orders can be changed to Market orders, and order and position details can be viewed in supporting applications **[Position Grid]** and **[Order Grid]**.



Launch the Wave Grid

Configure the Wave Grid

Change Waves

Cancel Orders

Reverse Selected Waves

Order Details and Position Details

Fade Columns

Export Grid Data

Launch the Wave Grid

From the WTP toolbar, select **Manage** --> **Wave Grid**.

Alternate Method:

From the WTP menu, select **Wave Grid**.

Configure The Wave Grid

The columns displayed in the Wave Grid can be customized. Also, data in the Wave Grid can be filtered, showing only the type of data required.

To configure the Wave Grid:

1. With the right mouse button, click anywhere in the Wave Grid and select **Configuration.**

   Alternate Methods:

   From the WTP toolbar, click **Wave Grid --> Config --> Configuration.**

Click the Configuration icon .

2. The **General** tab in the Configure Wave Grid window will display. This page defines which waves, users, and sources to display.

   Select from the following options:

   Filter by Logic—select from **Intersect** or **Union**

   Intersect—The Wave Grid will display all orders that match the Security Name, Security Type, User, Side, etc., i.e., orders that match **all** of the selected filters.

   Union—The Wave Grid will display all orders that match the Security Name or Security Type, or User, or Side, etc., i.e., orders that match **any** of the selected filters.

   There are three fields that can be defined: **Wave Name, User, Source.** From the drop-down lists next to each field, select the items to display. These selections define what the Wave Grid will report, and can be as specific as desired.

3. The **Columns And Formatting** screen is where columns, grid defaults, column headers, and row color conditions are defined.

   Learn columns and formatting **here**.

Change Waves

Unfilled wave orders listed in the Wave Grid can be changed to other Price Types.

To change a Wave:

1. Select one or more rows in the Wave Grid. (**Hint:** to select more than one row, hold down the **Ctrl** key while clicking on rows.)

2. Click the right mouse button in the Wave Grid and select **Change Selected Waves**

   Alternate Method:

   From the WTP toolbar click on **Wave Grid** and select **Action --> Change Selected Waves**

3. Select from the following

   MKT

   Last Price

   Buy Bid/Sell Ask

   Buy Ask/Sell Bid

4. A confirmation window will display if the change can be accomplished. Select **OK** to change the order or **Cancel** to exit without making changes.

   NOTE: The column **Change to MKT** can be added to the Wave Grid. If a wave order can be changed to MKT, a **"Change to MKT"** button will appear in the row of the order. The result will be the same as selecting MKT in step #3.

Cancel Orders

All unfilled orders, or specific matching orders, can be canceled.

To Cancel All Orders:

1. Click the right mouse button in the Wave Grid.

   Alternate Method:

   From the WTP toolbar, click on the Wave Grid menu and select **Action**

2. Select **Cancel All Orders**

3. If orders can be canceled, a confirmation window will display. Click **OK** to cancel all orders, or **Cancel** to exit the screen without canceling orders.

   If there is a warning associated with the confirmation window, check the confirmation box before proceeding.

To Cancel Matching Orders:

1. Select one or more orders in the Wave Grid.

2. Click the right mouse button in the Wave Grid.

   Alternate Method:

   From the WTP toolbar, click on the Wave Grid menu and select **Action**

3. Select **Cancel Matching Orders**

4. Select the type of matching order that is to be canceled.

5. If the matching orders can be canceled, a confirmation window will display. Click **OK** to cancel all the matching orders, or **Cancel** to exit the screen without canceling matching orders.

   If there is a warning associated with the confirmation window, check the confirmation box before proceeding.

Reverse Selected Waves

This feature "neutralizes" a wave position, by executing an equivalent sell if the order was a **buy**, or an equivalent buy if the order was a **sell**.

To Reverse Select Waves:

1. Select one or more waves in the Wave Grid.
2. With the right mouse button click on the Wave Grid and select **Reverse Selected Waves.**

   Alternate Method:

   Click **Wave Grid** from the WTP toolbar and select **Reverse Selected Waves.**
3. Click **OK** to reverse the selected waves, or **Cancel** to exit without making changes.

Order Details and Position Details

View specifics about a wave order, and see details about your position.

To View Order Details:

1. Double-click on a row in the Wave Grid to view details of the order.

   Alternate Methods:

   Click the right mouse button on a row in the Wave Grid and select **View Order Detail**

   Click the **Launch Order Grid** icon .
2. The **Order Grid** will display.

To View Position Details:

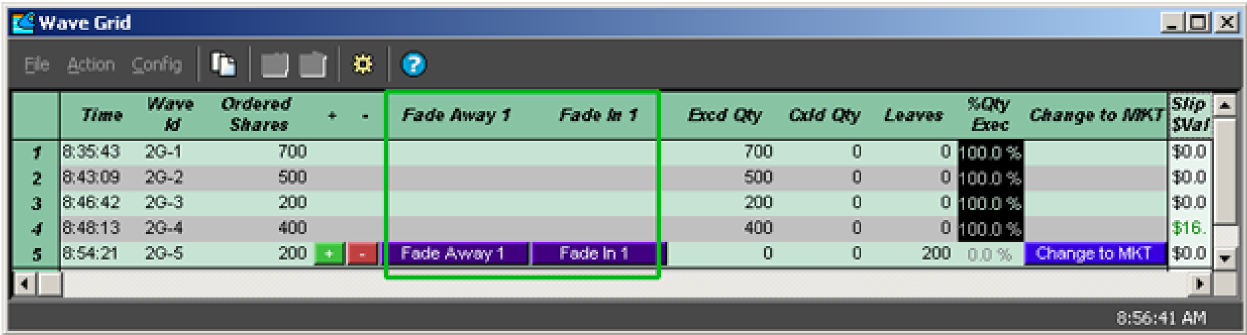
1. Click the right mouse button on a row in the Wave Grid and select **View Position Detail**

   Alternate Methods:

   From the WTP toolbar, click on **Wave Grid** and select **Action --> View Position Detail**

   Click the **Launch Wave Position Grid** icon .
2. The **Position Grid** will display.

Fade Columns



A tool for expressing aggression in pricing for live wave orders is handled through **Fade columns**.

These columns **Fade in 1** and **Fade Away 1** move an order either closer or farther from market price. These two columns are added under **Columns and Formatting-->Wave Fields**.

If a wave order is sent and it is unfilled, the **Fade Away** buttons will appear. With each pressing of a Fade button:

Fade in 1 (Toward Market Price):
Price will increase by one increment for **BUY** orders.
Price will decrease by one increment for **SELL** orders.

Fade Away 1 (Away From Market Price):
Price will decrease by one increment for **BUY** orders.
Price will increase by one increment for **SELL** orders.

Note that the plus (+) and minus (-) buttons accomplish the same thing with regard to increasing/decreasing an order's price, but the Fade Away buttons should be considered as tools for moving toward or away from the current market price.

Export Grid Data

Data in the Wave Grid can be exported to a file, the clipboard, or an Excel spreadsheet.

To learn about the export feature, click **here**.

WTP Browser

View web-based market data, stock charts, news, and other pages with the WTP Browser.

[Launch WTP Browser]

[Content Available in WTP Browser]

[Open a Web Page]

[WTP Browser Templates]

[Toggle Snap to Size]

[Symbol Tracking]

[Status Bar]

[Printing]

Launch WTP Browser

On the WTP Toolbar select **Explore-->WTP Browser**.

Alternate Method:

From the WTP menu, select **WTP Browser**.

Content Available in WTP Browser

Web-based content is divided between five tabs:

1. **Markets**
   General market information from CNN Money, MarketWatch, Yahoo!, Nasdaq, NYSE Arca

2. **Charts**
   Stock charts from suppliers such as Yahoo! Finance, MSN Money, Google Finance, TradingMarkets

3. **News**
   The latest market news from Yahoo! Finance, MSN Money, BigCharts, MarketWatch

4. **Research**
   Stock research from Yahoo! Finance, MSN Money, MarketWatch

5. **Resources**
   Miscellaneous financial links, splits and dividend data, and a system clock (non web-based)

Open a Web Page

In addition to the pre-defined links under each tab (above), any web page (assuming permission) can be called from the WTP Browser.

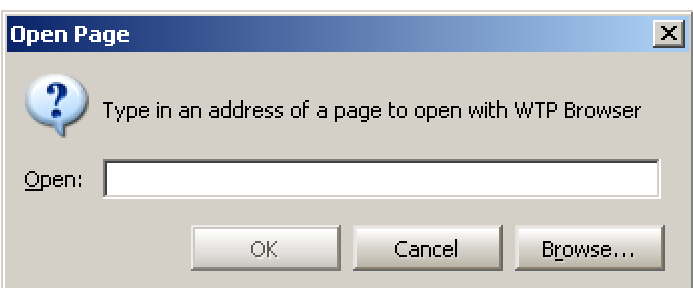
To open a web page:

From the **File** menu select **Open Page**.

Alternate Method:

Enter **Ctrl +o**.

A dialog window will appear:



Enter a web site's URL, or click **Browse** and select a page to view. Click **OK**.

The web page will open in the WTP Browser window.

WTP Browser Templates

Frequently viewed web pages can be stored as one or more WTP Browser templates. When a template is opened, the web page is automatically called.

A **default** template can also be saved. This template is called each time WTP Browser starts.

Save a Template

1. Navigate to a WTP Browser tab or page within a tab.
2. From the **File** menu select **Save Template As...**
3. Enter a template name and save the template in the directory of choice. The WTP Browser template name has a **.qet** extension.

Save a Template as a Default

1. Navigate to a WTP Browser tab or page within a tab.
2. From the **File** menu select **Save As Default Template**.

The next time WTP Browser starts, the default template will open.

Revert to the System Default Template

To change the default template to the system default, select **Revert To System Default Template** from the **File** menu.

Open a Template

To open a saved template, go to the **File** menu and select **Recent Templates --->**. Choose a template name from the list.

Toggle Snap to Size

If the dimensions of the default WTP Browser window have been increased or decreased, the window can be reset to its default size by pressing the toggle snap to size icon .

Alternate Method:

From the **Config** menu select Toggle Snap to Size.

Symbol Tracking

A symbol entered in a WTP applet (for example, Order Ticket) can be tracked and automatically entered in one of the symbol/news pages in WTP Browser if the Symbol Tracking feature is selected.

For example:

If the Order Ticket is showing the symbol IBM, the symbol field in WTP Browser will display IBM. Enter a different symbol in the Order Ticket and WTP Browser will respond by matching the new symbol.

To enable symbol tracking click on its icon: .

Learn more about toggle symbol tracking **here**.

Status Bar

The status bar provides the current time and status of the WTP Browser.

By default the status bar is enabled. To disable the status bar, go to the Config menu and select Status Bar. Repeat the procedure to re-enable the status bar.

Printing

Any page displayed in WTP Browser can be printed.

Printing instructions can be found **here**.

Managed Orders

Managed Order Configurations

For the Managed Order applets, (Market Maker, Spread Agent, Spread Trader, Time Slicer, and Vol Trader), there are similar configuration forms. Those functions that span across all Managed Orders are included here. Discrepancies among individual applets have been noted.

On This Page:

Safeguards

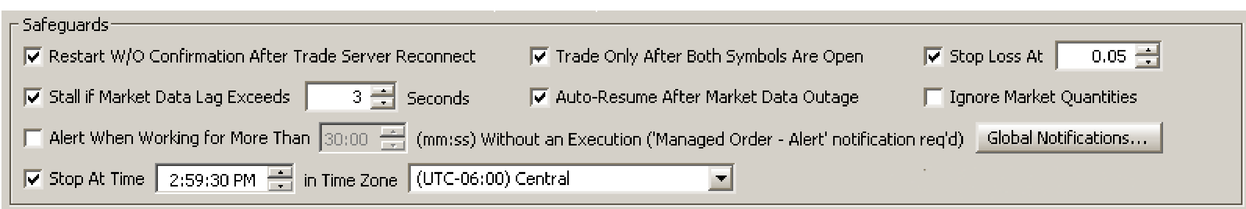
Conditions

Other Actions

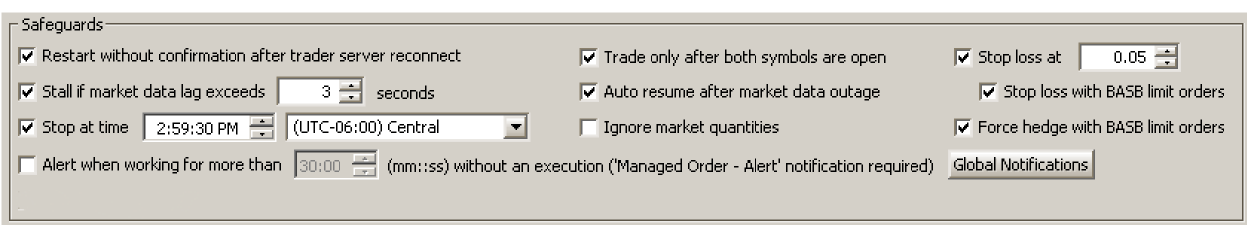
Activity Log

Safeguards

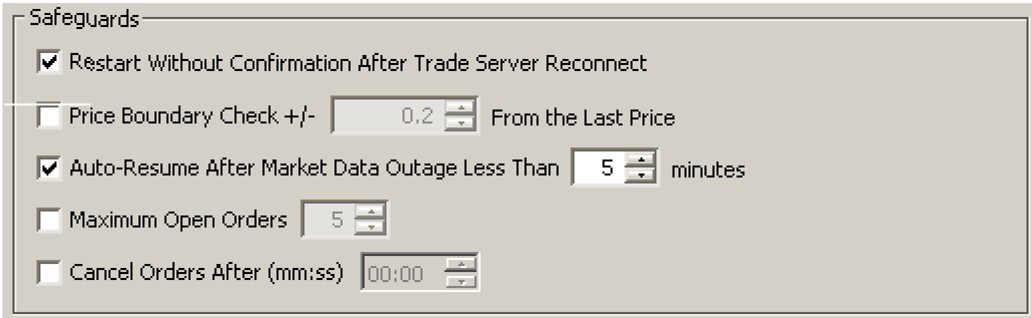
Each Managed Order type allows for the setting of safeguards. If enabled, Managed Order safeguards protect a trader's position by stopping or otherwise preventing an order from completing if a defined set of circumstances are achieved.



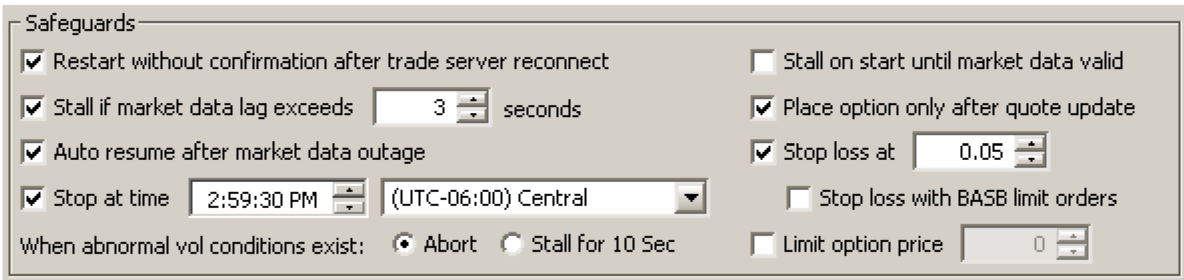
Spread Trader



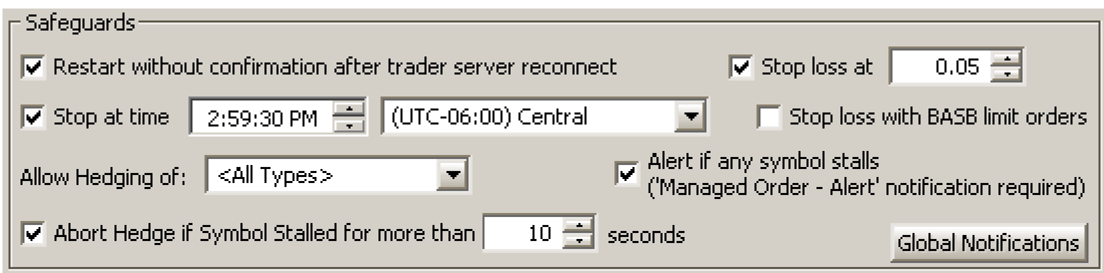
Spread Agent



Time Slicer



Vol Trader



Hedge Agent

Spread Trader Specifics:

- **Restart W/O Confirmation After Trade Server Reconnect—**If a managed order was running and a disconnect occurred within the trading day, WTP will restart the managed order without a confirmation.

  If this safeguard is not activated, WTP will ask if it should restart managed orders following a server reconnect.

- **Stall if Market Data Lags Exceeds _ _ _ Seconds—**If checked, Spread Trader will stall if the market data feed is delayed by the number of defined seconds.

- **Alert When Working for More Than _ _ _ (mm:ss) Without an Execution ('Managed Order—Alert' notification req'd)—**When Spread Trader is working the spread (i.e., an initial order is outstanding), an alert can be given when a specific length of time has passed without executing the spread. If the spread is not achievable or an execution occurs, the 'alert' timer automatically resets.

To define the alert notification, press the **Global Notifications** button. Learn how to setup global notifications **here**.

- **Stop At Time—**A specific time and time zone is defined that reflects the time when Spread Trader should stop. If not activated, Spread Trader will run until the target quantities are traded, even if the spread is not achieved.

- **Trade Only After Both Symbols Are Open—**If this safeguard is checked, Spread Trader will prevent any order from being sent until both symbols are open.

- **Auto-Resume After Market Data Outage—**If checked, Spread Trader will continue its attempt to achieve the defined spread automatically after a data outage condition occurs. If unchecked, Spread Trader will require manual intervention in order to resume.

- **Stop Loss At—**Once a loss is encountered that is greater than the entered value, Spread Trader will replace the hedge order. A stock hedge order will be sent with the **market** price type, but the spread will **not** be achieved.

- **Ignore Market Quantities—**When creating an initial order, Spread Trader considers a number of values including the adjusted available hedge quantity. When **Ignore Market Quantities** is selected, Spread Trader will ignore the available hedge quantity when determining initial order quantity.

Spread Agent Specifics

Same safeguards as **Spread Trader** with these exceptions:

- **Stop loss with BASB limit orders**—The **Stop loss** safeguard has been expanded to include BASB (Buys the Ask or Sells the Bid) limit orders. Once a loss is encountered that is greater than the entered value, Spread Agent cancels the offending hedge order and replaces it at the BASB price when this safeguard is enabled.

- **Force hedge with BASB limit orders**—Hedging for BASB orders is accomplished with this Spread Agent safeguard. When checked, a BASB order will attempt to hedge at the market price. When disabled, Spread Agent will hedge at a price that will achieve the spread as long as the market has not moved beyond the configured **Stop Loss** value.

  Note: This safeguard is enabled by default.

Time Slicer Specifics:

- **Price Boundary Check +/- _ _ _ From the Last Price**—When checked, Time Slicer will stop the managed order if it's more than the configured amount away from the last price.

- **Maximum Open Orders**—Time Slicer will stop filling the managed orders if orders haven't been filled, AND an order that's about to be placed would exceed the Maximum Open Orders value.

Vol Trader Specifics:

- **When Abnormal Vol Conditions Exist (Abort or Stall for 10 Sec)—**When an abnormal condition is encountered, Vol Trader will either Abort or Stall for 10 seconds depending on the selection. If "Stall for 10 Sec" has been selected and a stall is in effect when a second abnormal condition is encountered, a new 10-second stall will begin. Example: Vol Trader is in a stalled state for 4 seconds when it encounters another abnormal condition. The total time of the stalled state will be increased to 14 seconds (4 seconds + 10 seconds for the second abnormal condition).

- **Stall on Start Until Market Data Valid—**Vol Trader will run only when valid market data is received. This allows for trading before the market is open. Without valid market data, Vol Trader will remain in a stalled state.

- **Option Px Limit—**Vol Trader will not trade if its desired option price is greater than the value in the Option Px Limit field.

- **Place option only after quote update**—If checked, option orders will be placed only when the market has changed (e.g., if buying the option, its Ask Price or Ask Size changes) since the previous option execution. This is recommended so that the Vol Trader doesn't place option orders until the effect of its previous executions on the market have been reflected in its quotes.

- **Stop loss with BASB limit orders**—The **Stop loss** safeguard has been expanded to include BASB (Buys the Ask or Sells the Bid) limit orders. Once a loss is encountered that is greater than the entered value, Vol Trader cancels the offending hedge order and replaces it at the BASB price when this safeguard is enabled.

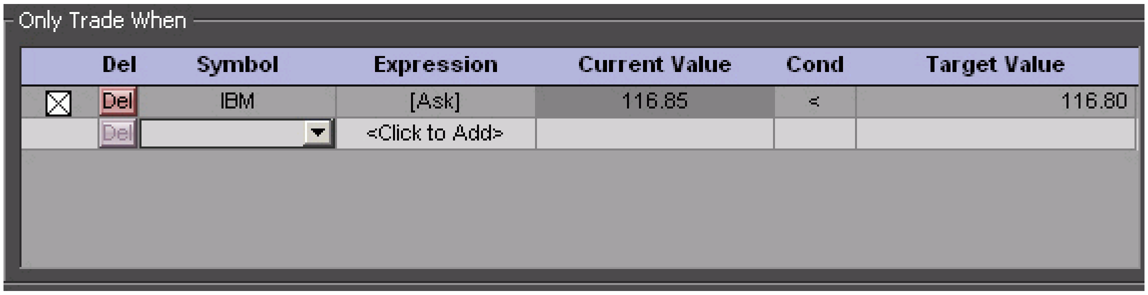
Hedge Agent Specifics:

- **Allow Hedging of**—From the drop-down list, select the managed order(s) to which Hedge Agent will attempt to hedge. Also, Hedge Agent can attempt to hedge outright orders. To allow Hedge Agent to hedge all managed order applets and outright orders, select **<All Types>**.

- **Abort Hedge if Symbol Stalled for more than _ _ _ seconds**—The portfolio hedge will cease if a symbol stalls for a period longer than defined.

Alert if any symbol stalls—Check this box to have WTP send an alert if any symbol should encounter a stall, regardless of the length of the stall. In order for an alert to launch, a notification must first be set in **Global Configuration** under the **Notifications** tab.

Conditions



Managed Orders can be configured to trade only when a defined set of circumstances are met.

Define Conditions:

1. Select a symbol from the drop-down list.

2. Select an expression.

   The column **Current Value** will populate with the amount that reflects the selected expression.

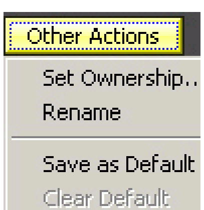
3. Select a **Condition** from the drop-down list, for example greater than (>), less than (<), etc.

4. Enter a **Target Value.** When the target value meets the defined condition, the Managed Order will proceed.

Check the box in the first column to activate the **Only Trade When** expression. Un-check the box to disable a defined condition.

Press the **Del** button to delete a specific condition.

Other Actions



Set Ownership

Managed Orders allow for the current user to take ownership of another user's spread trade.

1. Open a managed order owned by someone else. See the **Managed Order Console** for a list of existing managed orders and their owners.

2. Press **Other Actions**.

3. Select **Set Ownership.**

4. The current user will be selected. Assign ownership to another user by selecting **Other User** and enter the user's name in the blank field. Press **OK.**

Note: There is no confirmation dialog box when selecting **Set Ownership**. Once selected, the change of ownership is immediate.

Rename

Managed Order applets assign a name to each order similar to this format:

Side 1 Symbol **Side 2 Symbol** ***Applet Name*** (example: **CSCO DELL *Spread Trader***).

Other applets will include its expiration date and strike price in its name: **IBM IBM 0910 P 70 Vol Trader** where 0910 is the expiration date and P70 is the strike price.

The name can be customized in the status field by selecting **Other Actions-->Rename**

Note 1: A renamed managed order will have its new name displayed in the **Managed Order Console**.

Note 2: Renaming an applet to a blank string will reinstate its default name.

Save As Default

The settings defined in a Managed Order applet can be saved as a default for newly created managed orders.

1. Enter all necessary values that will be saved as default in the Managed Order applet.

2. Press **Other Actions**.

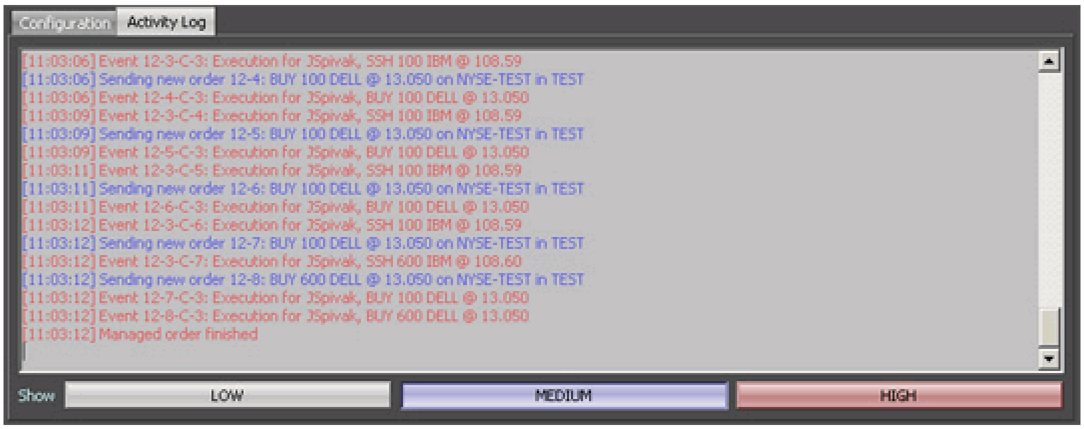
3. Select **Save as Default**.

Clear Default

Clear Default causes all future Managed Orders to be created with only system default parameters.

Press **Other Actions** and select **Clear Default.** A confirmation dialog box will display.

Activity Log



The **Activity Log** is accessed by clicking the tab at the top of a Managed Order window. The log displays status messages created by the current managed order along with a timestamp for each activity.

The activities may be displayed in one of three colors:

- Grey—low priority
- Blue—medium priority
- Red—high priority

The Managed Order Console

The **Managed Order Console** is a grid that displays the real-time status of managed orders (**Hedge Agent, Spread Trader, Market Maker, Time Slicer, Vol Trader**). Each row in the grid corresponds to a single managed order and is color-coded to represent the current state of the order (i.e., ready, started, marketable). Additionally, **Start/Stop** and **Alert** buttons can be displayed in the console allowing control of each managed order.

[Configure Managed Order Console](#)

[Create a New Managed Order](#)

[Clone a Managed Order](#)

[Start Managed Orders](#)

[Stop Managed Orders](#)

[Stop All Managed Orders](#)

[Delete Managed Orders](#)

[Alert Columns](#)

[Grid Row Colors](#)

[Reverse Spread Trader](#)

[Read Only Mode](#)

[Launch Order Grid](#)

[Launch Position Grid](#)

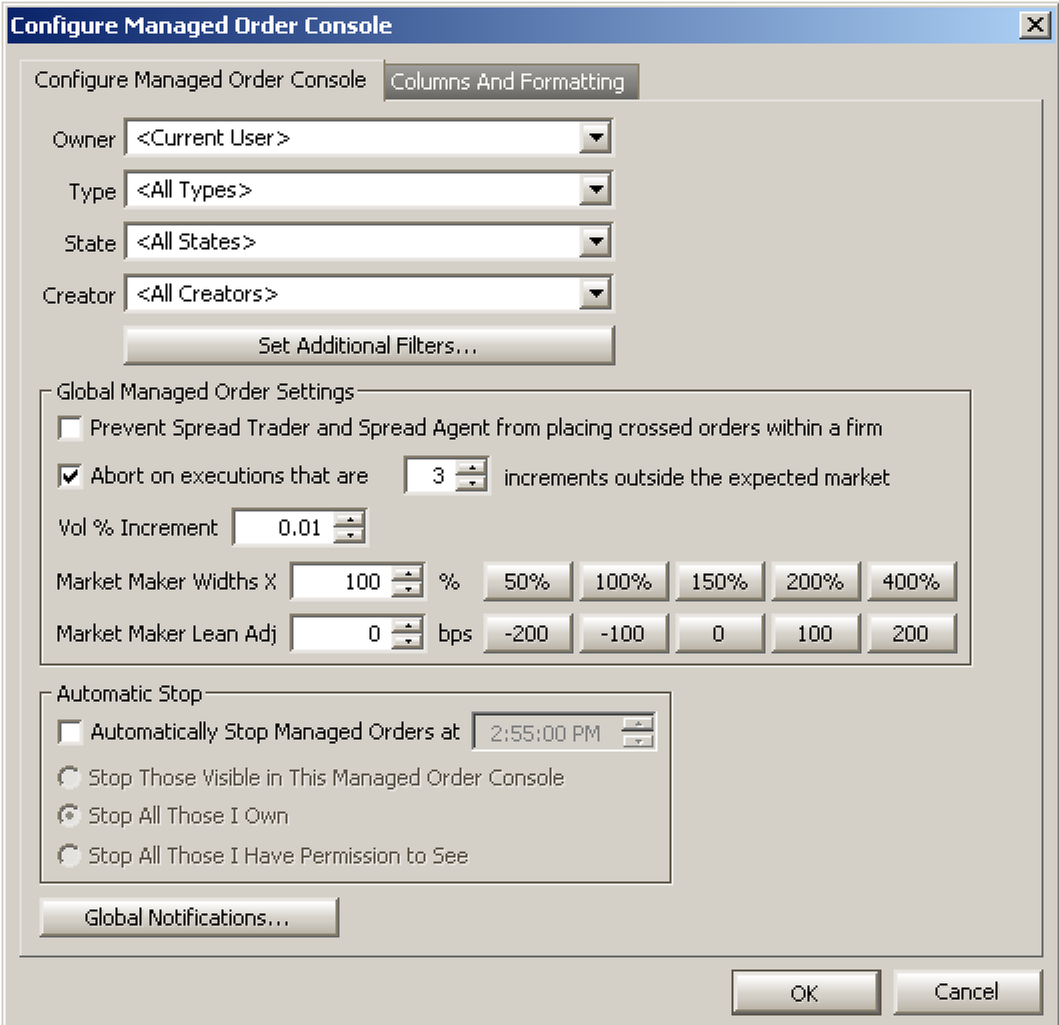
[Export Grid Data](#)

[Import a Managed Order](#)

[Set a Different Firm](#)

[View Level 2 Data](#)

Configure Managed Order Console



Owners and creators of managed orders, managed order types and their state(s) are configured in the Managed Order Console.

Access the Configuration Window:

From the **Config** menu select **Configuration.**

Alternate Methods:

- Right-click the mouse anywhere in the Managed Order Console window and select **Configuration.**
- Click on the toolbar's Configuration icon **.**

Set General Parameters

From the drop-down lists, select the filters that determine the data to be displayed in the Managed Order Console.

Owner—Select **<Current User>** to view all of your orders exclusively. Select **<All Owners>** to view orders from all users that you have permission to view.

Otherwise, select one or more user names from the list.

Type—Select one or more managed order types to display. Select **<All Types>** to display Market Maker, Spread Trader, Time Slicer, and Vol Trader orders.

State—Select one or more managed order states to display. Select **<All States>** to display Aborted, Finished, Stalled, Started, or Stopped states.

Creator—Select one or more creators to view their managed orders, or select **<All Creators>** to view orders for all listed users.

Note: The creator of a managed order isn't necessarily the owner.

Set Additional Filters—In addition to the filters already described, filters specific to managed orders such as Orders, PNL, and Status Messages can be defined along with a condition (<, >, =, etc.) and target value. Additional filters are defined in a manner similar to **Row Color Conditions.**

Global Managed Order Settings

Prevent Spread Trader and Spread Agent from placing crossed orders within a firm

Spread Trader and **Spread Agent** will be prevented from filling a crossed order (i.e., an order to buy and sell the same stock, usually for the purpose of making a quotation) if this option is checked.

Abort on executions that are _ _ _ increments outside the expected market

When selected, a managed order will abort if the execution price is **X** increments outside the *expected price* (the market bid or ask price that WTP had at the time the order was sent).

Note: Contact **WEX Support** to have this feature enabled.

Vol % Increment

The value entered will be reflected in the **Vol %** field of **Vol Trader** where each pressing of the spinner arrow will move in the defined increments.

For example, a Vol % Increment of **.20** is seen in the Vol % field of Vol Trader as .20, .40, .60, etc.

Market Maker Widths X

The width percentages are used exclusively with the **Market Maker** managed order. (**Note:** Access to Market Maker is by permission only. Contact **WEX Support** for more information.)

Width is added to the Market Maker's theoretical market. This feature multiplies the widths of all owned Market Makers. If market conditions become unfavorable, a trader may increase the width multiplier to 200% or 300% to instantly become less aggressive across the board. By globally increasing or decreasing their Market Maker widths, traders have broad control over their risk.

Select one of the percentage buttons (50%, 100%, 150%, 200%, 400%) or enter any percentage value in the **Market Maker Widths X** field.

Market Maker Lean Adj

The value entered here (in **basis points** (bps)) moves the lean of *all* market makers owned by a user.

The lean adjustment is calculated as follows:

Market Maker Lean Adjustment x (1/10000) x Derived Reference Price = Additional Lean Amount

The **total lean** is the sum of the current lean + the added lean amount.

Example:

1. Market Maker Lean Adjustment = 100 bps

2. Current lean value= 1.00

3. Derived Reference Price = 13.38

100 x (1/10000) x 13.38 = 0.13 (the additional lean amount)

1.00 (the current lean value) + 0.13 = 1.13 (Market Maker's total lean)

Select a Market Maker Lean Adjustment bps value from one of the pre-defined buttons (-200, -100, 100, 200) or enter a value. Selecting "0" means no additional lean amount will be added to the current lean.

Automatic Stop

Managed orders can be stopped on a per-order basis. If enabled, a selection is made to determine which managed orders are to be stopped. If the Managed Order Console is closed, automatic stop will not commence.

Automatically Stop Managed Orders At—Enter a time of day either manually or with the up/down (spinner) arrows when managed orders are to be stopped. If this is checked, one of the following conditions must be selected:

Stop Those Visible in This Managed Order Console—All managed orders listed in the Managed Order Console will be stopped at the defined time.

Stop All Those I Own—Only the managed orders owned by you will be stopped at the defined time.

Stop All Those I Have Permission to See—Managed orders that can be seen in the Managed Order Console may or may not be owned by you. Select this option to stop the managed orders that you have permission to view.

Global Notifications

A notification (sound and/or text) can be sent if a defined managed order condition exists.

See **Global Configuration** for instructions on defining an event's notification.

Columns and Formatting

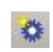
See **Columns and Formatting** for instructions on setting grids, color conditions, header styles, and more.

Create a New Managed Order

There are a number of methods for creating one of six managed orders:

From the **Action** menu select **New Managed Order--->*Managed Order Type***

Alternate Methods:

- Right-click anywhere in the Managed Order Console and select **New Managed Order--->*Managed Order Type***
- Click on the toolbar's **New Managed Order** icon  and select a managed order. Select a firm name (if more than one is available) from the drop-down list.
- Type one of the following keyboard shortcuts:

Managed Order	Keyboard Shortcut
Market Maker	Ctrl+M
Spread Trader	Ctrl+P
Time Slicer	Ctrl+T
Vol Trader	Ctrl+O
Choose Type and Firm*	Ctrl+N

*The option **Choose Type and Firm** brings up a window where a managed order **and firm name** are chosen.

Note: Pressing the **New Managed Order** icon also opens the **Choose Type and Firm** window.

Clone a Managed Order

Any managed order can be cloned (i.e., copied). When an order is selected for cloning, its name will be appended with the word "copy." A cloned managed order does not necessarily need the same parameters of the original in order to execute.

1. Select a managed order in the Managed Order Console by clicking on it.

2. Right-click in the grid and select **Clone Managed Order.**

   Alternate Method:

   - From the **Action** menu, select **Clone Managed Order.**

The cloned managed order will display and can be edited before starting.

Start Managed Orders

Managed orders can be started in their configuration window (by pressing the **Start** button) or in the Managed Order Console.

Start Orders from the Managed Order Console

Press the **Start** button on each row containing the managed order. (**Note:** Be sure the **Start** column is displayed in the Managed Order Console. If it isn't, it will have to be added. See **Columns and Formatting** for more details.)

Alternate Methods:

- Select one or more rows in the Managed Order Console and click the **Start Selected Managed Orders** icon .

- Select one or more rows in the Managed Order Console and right-click the mouse. Select **Start Selected Managed Orders**.

- Select one or more rows in the Managed Order Console and select **Start Selected Managed Orders** from the **Action** menu.

In all cases, a dialog window will ask for confirmation before starting an order.

Stop Managed Orders

Managed orders that have started can be stopped in their own window (by pressing the **Stop** button) or in the Managed Order Console.

Stop Selected Managed Orders

Press the **Stop** button on each row containing the managed order. (**Note:** Be sure the **Stop** column is displayed in the Managed Order Console.)

Alternate Methods:

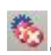
- Select one or more rows in the Managed Order Console and click the **Stop Selected Managed Orders** icon .
- Select one or more rows in the Managed Order Console and right-click the mouse. Select **Stop Selected Managed Orders**.
- Select one or more rows in the Managed Order Console and select **Stop Selected Managed Orders** from the **Action** menu.

In all cases, a dialog window will ask for confirmation before stopping any order.

Stop All Managed Orders

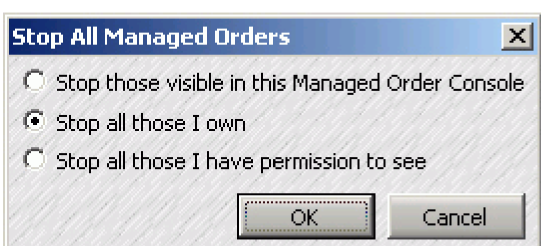
The following managed orders can be stopped with the **Stop All Managed Orders** command:

- Orders visible in the Managed Order Console
- Orders owned by the user
- Orders the user has permission to see

Press the **Stop All Managed Orders** icon .

Alternate Methods

- Right click in the Managed Order Console grid and select **Stop All Managed Orders.**
- From the **Action** menu, select **Stop All Managed Orders.** This window will display:



Make a selection and click **OK.** A window will display asking for confirmation before stopping any managed order.

Delete Managed Orders

Managed orders can be deleted from the Managed Order Console. In all cases, a dialog window will ask for confirmation before deleting any order.

Delete One or More Managed Orders

Highlight one or more rows in the Managed Order Console and press the delete managed order icon .

Alternate Methods:

- Press the **delete** key.
- Right-click anywhere in the Managed Order Console and choose **Delete Selected Managed Orders**.
- Click the **Action** menu and select **Delete Selected Managed Orders**.

Alert Columns

A defined set of circumstances can be configured for a particular managed order. When market conditions match the defined circumstances, an audible or visual alert is given.

The **Alert** column and its associated **Enable** column are optionally displayed. If a box is checked in the enabled column, the corresponding alert will become active and will be triggered once the specified alert conditions are met.

Enable the Alert Columns

Press the **Alert Columns** icon .

Alternate Method:

- Right-click anywhere in the Managed Order Console and select **Show Alert Columns.**

Two columns (**Enable, Alert**) will be added to the Managed Order Console.

Set Alert Conditions

1. Press the **Alert** button. A configuration window similar in look and functionality to the **Row Color Conditions** window will display.
2. Define one or more expressions, an **Alert Priority** value, and check to specify whether the **Aggregate** value should be considered.
3. Select **OK** to accept your changes and close the window or **Apply** to save your edits and keep the window open.

The **Alert** button is displayed in one of three colors:

The Alert has been enabled, but has no match to the defined condition has been made.

The Alert has been disabled (the **Enable** box has been unchecked). Check the **Enable** box to re-enable the Alert.

The defined condition has been met.

Disable the Alert Columns

Follow the same procedure used to enable the Alert columns.

Grid Row Colors

The color of each row in the Managed Order Console indicates the state of the managed order:

Color	State of the Managed Order
	Aborted
	Finished
	Marketable
	Not Owned
	Ready
	Stalled
	Started
	Stopped

Note: The row colors cannot be configured.

Reverse Spread Trader

Using **Reverse Spread Trader**, you can create a new Spread Trader that is used to reverse the positions of a selected Spread Trader. The side types of the original Spread Trader are reversed in the new Spread Trader. The Targets of the new Spread Trader are determined by which type of reverse Spread Trader was created, as such:

- Reverse Filled Quantities sets the new Targets to the traded quantities of the original Spread Trader.

- Reverse Entire Spread sets the new Targets to be the same as the original Targets.

1. Right-click on a row containing the spread trade that is to be reversed.

2. Choose **Reverse Spread Trader-->Reverse Filled Quantities**.

Alternate Method:

- Choose **Reverse Spread Trader-->Reverse Entire Spread**

If **Reverse Filled Quantities** or **Reverse Entire Spread** is selected, the new Spread Trader configuration window will open allowing for additional changes before the managed order is applied.

Read Only Mode

When the Managed Order Console is in **read only mode**, managed orders cannot be edited through the grid controls.

Put Managed Order Console in Read Only Mode

Press the **read only mode** icon 

Alternate Methods:

- Right-click anywhere in the Managed Order Console and select **Read Only Mode**.
- From the **Config** menu, select **Read Only Mode**.

Launch Order Grid

Managed orders that have been started and have generated a Wave ID displays the order details in the **Order Grid**.

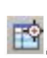
1. Select one or more managed orders in the Managed Order Console.
2. Click the Order Grid icon .

Alternate Methods:

- Right-click on the managed order and select **View Order Detail.**
- From the **Action** menu, select **View Order Detail.**

Launch Position Grid

Managed orders that have been started and have generated a Wave ID displays the position details in the **Position Grid**.

1. Select one or more managed orders in the Managed Order Console.
2. Click the Position Grid icon .

Alternate Methods:

- Right-click anywhere in the Managed Order Console and select **View Position Detail.**
- From the **Action** menu, select **View Position Detail.**

Export Grid Data

Orders in the Managed Order Console can be exported to a file, the clipboard, or to Microsoft Excel.

Click **here** for detailed information on exporting grid data.

Import a Managed Order

Any delimited tabular data or previously exported managed order can be imported to the Managed Order Console.

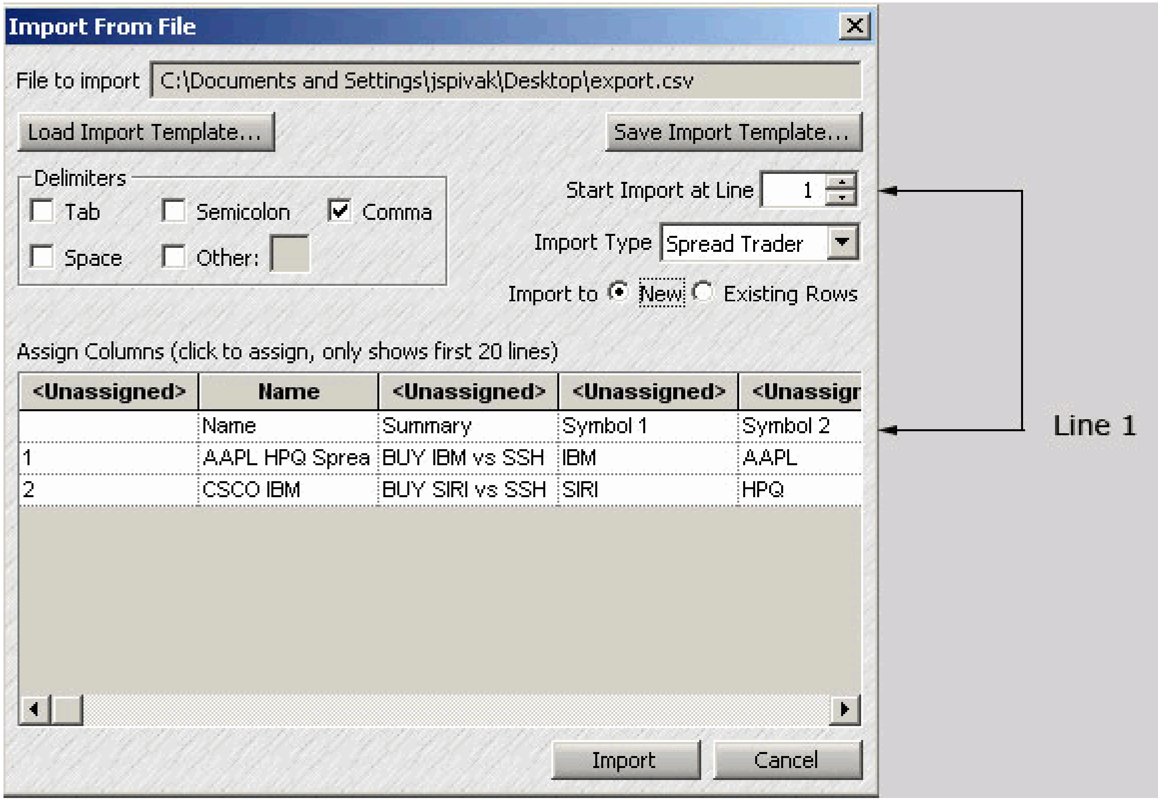
Select the **Import Managed Order** icon .

Alternate Methods:

- From the **Action** menu, select **Import Managed Orders**
- Right-click in the Managed Order Console and select **Import Managed Orders**
- Type **Ctrl +i**.

Double-click on a file name to import, or click once and press **Open**.

An **Import From File** window displays:



Before the file import can proceed, the following values must be defined:

Start Import At Line—The number in this field refers to the line number in imported file. When the file is imported, the first line displayed in the Managed Order Console will be the line selected here.

In the example above, **Line 1** is selected. When the file is imported, **Line 1** will be the first line displayed. Since this line is really nothing but headers, a better choice would be to **Start Import at Line 2**.

Import Type—The managed order type that is being imported. Mixed managed orders cannot be imported in a single pass.

Import to—Two choices, either **New** or **Existing Rows**

> **New**—A new managed order will be created from each row in the import file.
>
> **Existing Rows**—Managed orders owned by you in the Managed Order Console will be modified with the new data contained in the imported file.

Assign Columns—At least one column must be assigned a name in order for the import feature to commence. To assign a name to a column, click on **<Unassigned>.** A list of names will display. Click on the name that will be assigned to the column.

Delimiters—This checked box refers to the field delimiters in the import file. A different delimiter can be selected, but better results will occur with the delimiter used in the import file (i.e., a tab-delimited file will produce better results when **tab** is selected).

Templates—Once the columns have been assigned names, they can be saved for later use. Press **Save Import Template** to save and name your template.

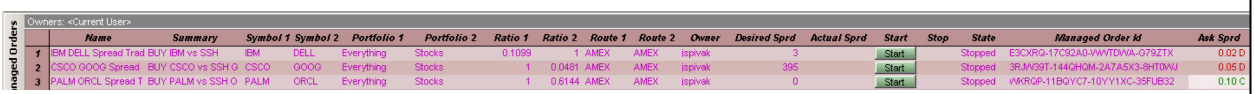
When importing a file with the same import type, press **Load Import Template** and select the appropriate template for your import type.

Press **Import** to import the file into the Managed Order Console.

Tips for Importing Managed Orders

Create a Managed Order import template.

For example, when importing Spread Trader managed orders, the **Import From File** dialog window should have a column name for each field in the imported file.



naged Orders

Owners: <Current User>

	Name	Summary	Symbol 1	Symbol 2	Portfolio 1	Portfolio 2	Ratio 1	Ratio 2	Route 1	Route 2	Owner	Desired Sprd	Actual Sprd	Start	Stop	State	Managed Order Id	Ask Sprd
1	IBM DELL Spread Trad	BUY IBM vs SSH	IBM	DELL	Everything	Stocks	0.1099	1	AMEX	AMEX	jspivak	3		Start		Stopped	E3CXRQ-17C92A0-WWTDWA-G79ZTX	0.02 D
2	CSCO GOOG Spread	BUY CSCO vs SSH G	CSCO	GOOG	Everything	Stocks	1	0.0481	AMEX	AMEX	jspivak	395		Start		Stopped	3RJW39T-144QHQM-2A7A5X3-8HT0WJ	0.05 D
3	PALM ORCL Spread T	BUY PALM vs SSH O	PALM	ORCL	Everything	Stocks	1	0.6144	AMEX	AMEX	jspivak	0		Start		Stopped	WKRQP-11BQYC7-10YY1XC-35FUB32	0.10 C

Note 1: The data in the column **Managed Order ID** is generated automatically.

Note 2: Press **Save Import Template** and save your work. Load the Import Template on subsequent imports to eliminate the need to manually assign column names.

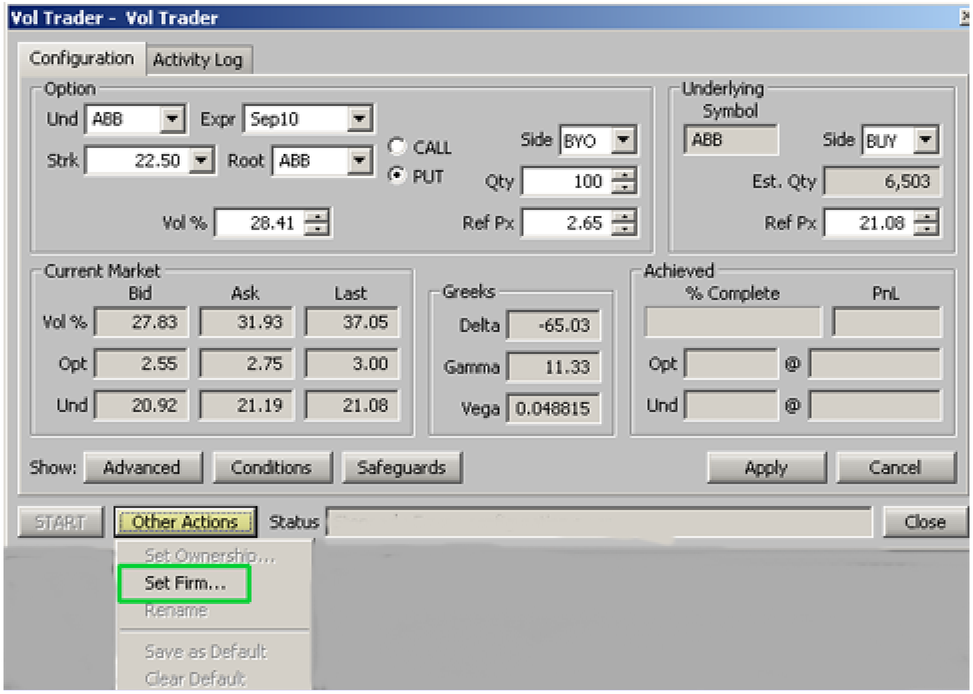
Import Managed Orders into Existing Rows

When importing to existing rows, new managed orders are not created. The values specified in an import file are simply modified on existing managed orders. For this to happen:

- the import file must have a column of Managed Order IDs, each pulled from the Managed Order Console and corresponding to the data value of that import row
- the Managed Order ID import field must be assigned to the correct column of the imported file
- Existing Rows must be checked in the import dialog window.

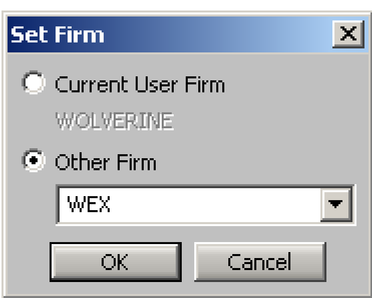
Note: Some values cannot be modified while importing to existing rows. Side types, symbols, portfolios, and a few others are specifically prohibited from changing if a managed order has already been started during the current day.

Set a Different Firm



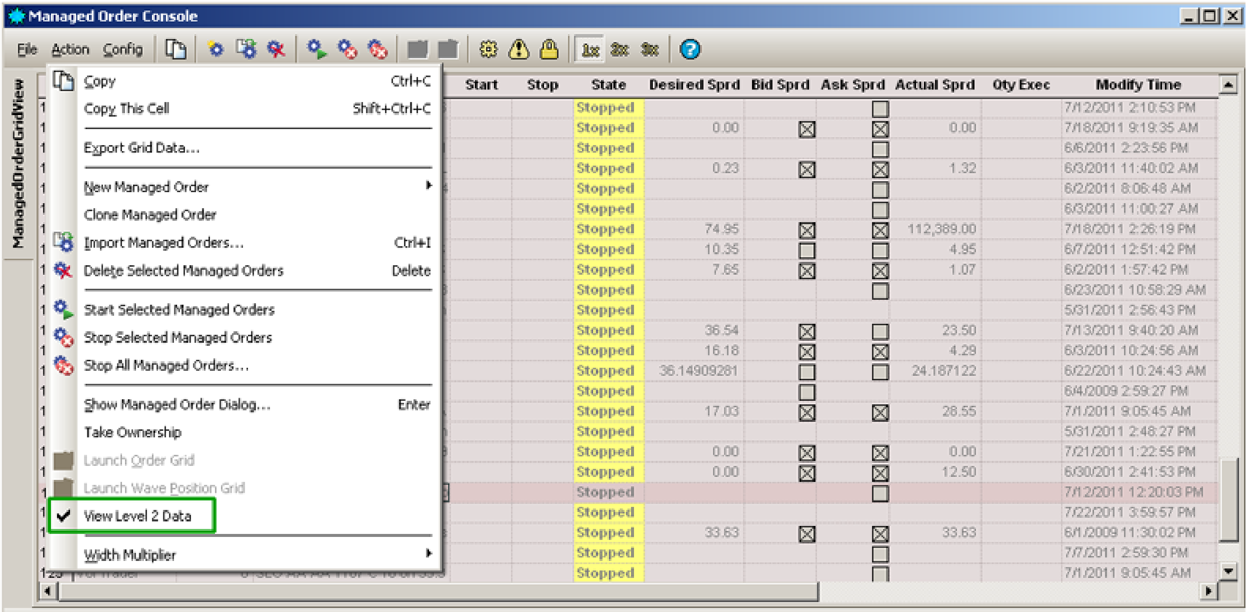
When a **relationship** is established between a WTP applet and a managed order (via the **send to** feature), or when a managed order is launched, the user's current firm is selected by default. **"Set Firm"** allows a user to choose a different firm for the managed order.

To set a different firm for a managed order, press the **Other Actions** button and select **Set Firm.** A **Set Firm** window appears. Select **Other Firm** and make a selection from the drop-down list.



Once a managed order has been configured and the **"apply"** button has been pressed, the **Set Firm** option is no longer available even if the order has not started. **Set Firm** is also not available if the managed order is stopped and re-edited.

View Level 2 Data



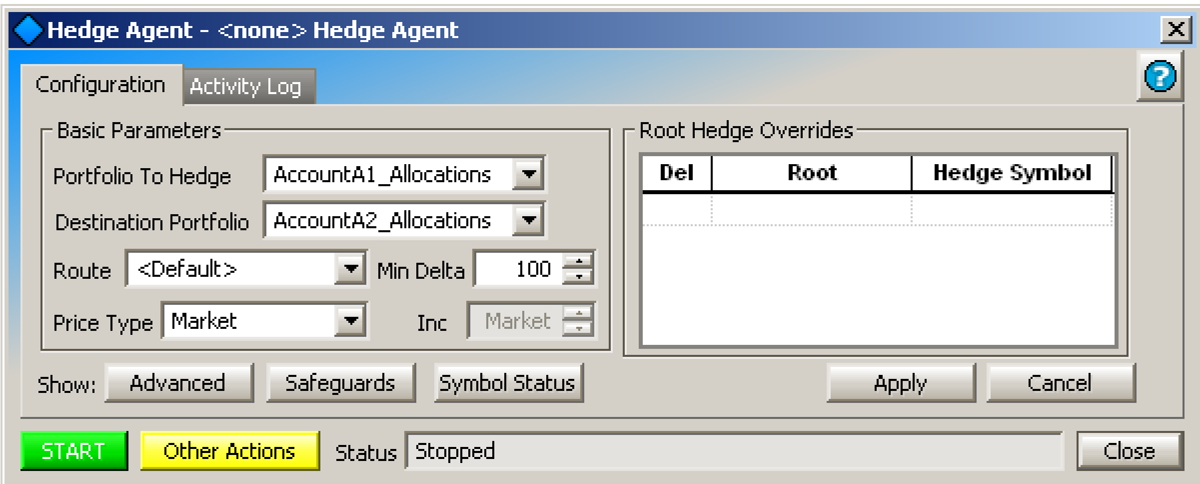
The menu option View Level 2 Data, when activated, will cause the **Equity Quote Cube** and/or **Option Quote Cube** (depending on the managed order) to launch when a managed order is selected. If View Level 2 Data is turned off while the quote cubes are displayed, the quote cubes will close.

To activate View Level 2 Data, select it from the Action menu or right-click anywhere in the Managed Order Console grid and select View Level 2 Data.

Hedge Agent

Hedge Agent delta hedges an entire portfolio of managed orders at market price, BASB (buy ask/sell bid), or BBSA (buy bid/sell ask). The hedging occurs on executions as they arrive and only for those orders sent by the user running the managed order.

The hedge trade is placed in a destination portfolio using the selected route at the correct price. No hedging occurs until the accumulated hedge quantity is equal to, or greater than, the defined minimum delta.



Launch Hedge Agent

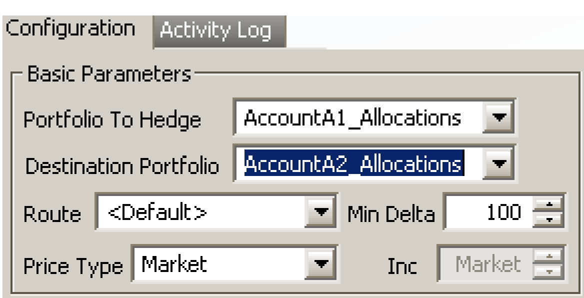
With the Managed Order Console selected:

Ctrl + Shift + H

Alternate Method:

Right-click in the Managed Order Grid and select **New Managed Order --> Hedge Agent**

Configure Hedge Agent



The basic configuration of Hedge Agent consists of selecting the portfolio containing the orders to be hedged and the destination portfolio for the hedged orders. Additionally, the route, minimum order size, price type, and optional incremental value are defined.

Portfolio To Hedge

From the drop-down list of portfolio names, select the portfolio in which orders will be delta hedged.

Destination Portfolio

Select the destination portfolio in which hedged orders will be placed, from the drop-down list of portfolio names. Select **<Default>** to use the global default portfolio for the hedged orders.

Note: The destination portfolio can be the same as the one selected in the **Portfolio To Hedge**.

Route

Select a route that Hedge Agent will use to delta hedge orders. Select **<Default>** to use the system default route (as defined in Global Configuration).

Min(imum) Delta

Hedge Agent will not delta hedge a portfolio below the value entered in the Min(imum) Delta field.

Enter the minimum delta value or select a value using the up/down spinner arrows.

Price Type

Hedge Agent supports the **Market**, **BASB**, and **BBSA** price types.

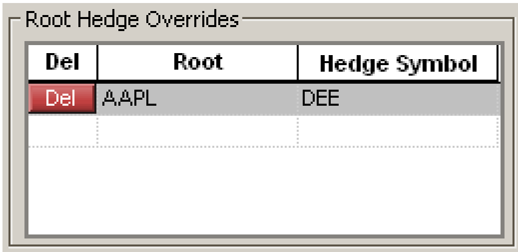
To have BASB & BBSA price types available for selection, the option **"Allow side relative price types in order tickets (BBSA, BASB, Peg BBSA, Peg BASB)"** must be checked on the **Orders** page of Global Configuration.

Inc(rement)

When the price type is BASB or BBSA, it can be modified by a specified increment.

Enter an increment value or select one from the up/down spinner arrows.

Root Hedge Overrides



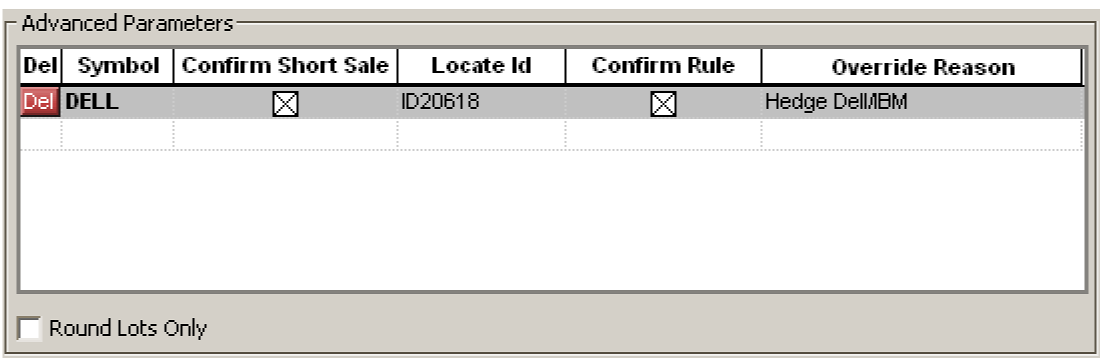
The **Root Hedge Overrides** table allows a user to hedge incoming options of the root and hedge symbol. It "overrides" the default behavior of WTP to hedge with the underlier.

In the **Root** column, type a symbol name or select one from the drop-down list.

In the **Hedge Symbol** column, enter the symbol to hedge with (either from the drop-down list or by typing directly in the column).

Delete a root hedge override by selecting the **Del** button in the appropriate row.

Advanced Parameters



Symbols in the Portfolio To Hedge may be subject to short-sale and restricted rules.

In the Advanced Parameter grid of Hedge Agent, such symbols can be selected and confirmed for short sales. Each row in the Advanced Parameters grid can be defined for a different symbol.

Select a symbol from the drop-down list.

Confirm Short Sale—Normally, WTP issues a confirmation message when a short-sale condition exists. Checking the **Confirm Short Sale** box means that a short-sale with the selected symbol is "pre-approved", and no confirmation message will be issued.

When Confirm Short Sale is unchecked, a confirmation message will launch when Hedge Agent tries to work a short sale.

Confirm Rule—Similar in function to Confirm Short Sale, checking the Confirm Rule box indicates that a warning about a particular security (for example, the security is restricted) will not be generated because the security has been "pre-approved".

When Confirm Rule is unchecked and a rule needs to be confirmed, the symbol will stall.

Key in the **Locate ID** and/or **Override Reason** as necessary.

Round Lots Only

Check this box if trading shares only in round lots (i.e., 100, 200, 300, etc.) is desired.

Safeguards

Safeguards are common throughout all Managed Orders. Click **here** to learn about them.

Symbol Status

If Hedge Agent is unable to trade a particular symbol, a stall occurs. Hedge Agent will, however, continue to hedge the remaining symbols despite the stall.

There are a number of issues that could cause a symbol stall. Here are just a few:

- No market data
- Stale market data
- Short sale
- Route issues: Invalid, route, route unavailable, can't trade on route, price type not allowed on route, etc.
- Trading halted
- Hard-to-borrow confirmation required
- Invalid delta (not between -1 and 1)

If a symbol stall occurs, Hedge Agent will report it in the **Symbol Status** table. Select **Symbol Status** to view the table.

Other Actions

See the **Other Actions** description in the Managed Order Configurations page for details on this feature.

The Activity Log

See the description in the Managed Order Configurations page for details on the **Activity Log**.

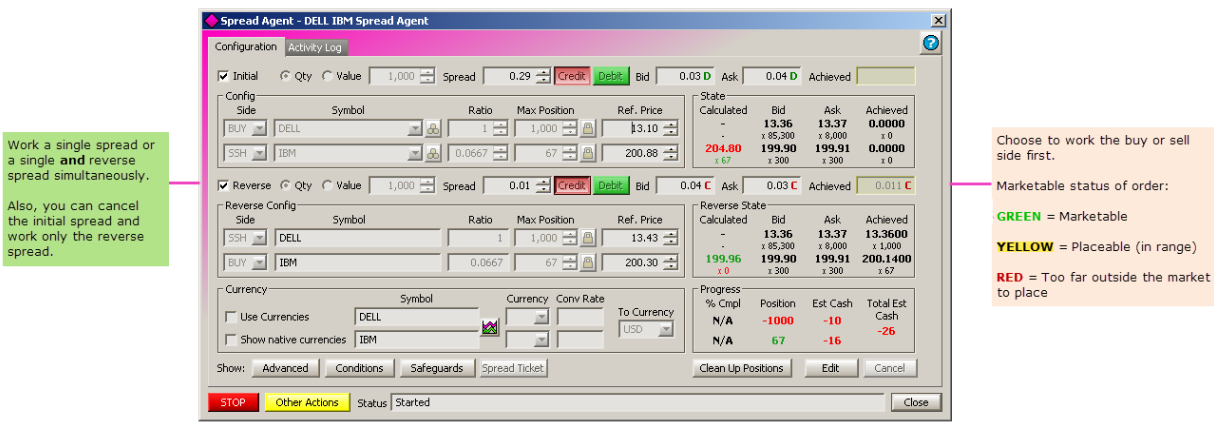
Bypass Hedge Agent in Other Managed Orders

Bypass Hedge Agent is a safeguard in each Managed Order with the exceptions of **Market Maker** and **Vol Trader**.

When Bypass Hedge Agent is selected, orders placed in the Portfolio To Hedge will be ignored by all running Hedge Agents.

Spread Agent

Spread Agent trades two securities based on the difference of their ratio-adjusted prices (or **Spread)**. The difference between Spread Agent and **Spread Trader** is that Spread Agent can trade a single spread and **reverse** spreads simultaneously. The reverse spread is achieved by trading the same two securities as the initial spread but with opposing side types (for example BUY/SSH vs. SSH/BUY).



Launch Spread Agent

With the **Managed Order Console** selected, enter **Ctrl + Shift + s.**

Alternate Methods:

From the **Action** menu in the Managed Order Console, select **New Managed Order -->Spread Agent.**

Right-click in the Managed Order Console grid and select **New Managed Order -->Spread Agent.**

Quantity, Value, Spread Value, Credit and Debit

1. **Quantity (Qty) or Value**—This input is a convenient way to specify the **Max Position** for each security in the corresponding spread. Whenever a Max Position configuration needs to be updated, it is computed from this input as follows:

   Quantity—This will be multiplied by the corresponding **Ratio** at the time of the computation.

   Value—This will be divided by the market price of the corresponding security at the time of the computation.

   Note: The amount in the Max Position field will be rounded to the nearest hundred if **Round Lots Only** is checked.

2. **Spread**—The difference of the *ratio-adjusted* prices of two securities. It must be greater than or equal to zero. The value placed in the field works in conjunction with the Credit/Debit buttons (below).

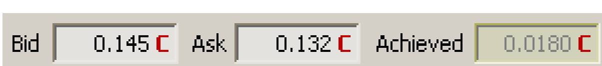
3. **Credit/Debit**—If a spread value is to be collected it is a **Credit**. If a spread value is to be paid, it is a **Debit**.

   A credit occurs when the security with the *lower ratio-adjusted price* is bought, and the security with the *higher ratio-adjusted price* is sold.

   A debit occurs when the security with the *higher ratio-adjusted price* is bought, and the security the *lower ratio-adjusted price* is sold.

   Select either Credit or Debit when setting up a spread.

Bid, Ask, Achieved, and Set as Spread



The value displayed in the **Bid** field is the computed spread of the two securities if they were **bought at the bid** and **sold at the ask** prices of the current market.

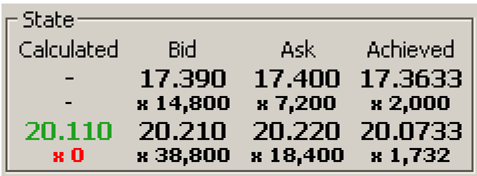
The value displayed in the **Ask** field is the computer spread of the two securities if they were **bought at the ask** and **sold at the bid** prices of the current market.

The value displayed in the **Achieved** field is the spread achieved from the average executed prices of the securities.

Note: The **Bid, Ask,** and **Achieved** values may fluctuate as the market moves.

Set as Spread—You can select the Bid or Ask value to be the spread amount. Right-click on either the Bid or Ask field and select **Set as Spread**. The spread will instantly change to match the selected Bid or Ask value.

State of Spread Agent



State of the spread. The bottom value in green (20.110) reflects that the corresponding security's initial order is marketable.

The values displayed in the **State** portion of Spread Agent reflect:

- **The Calculated price**. This is the price that the Spread Agent needs to place the corresponding security's initial order at in order to achieve its spread. This is all inclusive of the spread configuration, current market prices, and slip adjustments.
- **The side(s) being worked first**. In the image above, the bottom security is able to place initial orders so its calculated price is shown. The top row shows dashes because only the bottom security is configured to be worked first. See **advanced parameters** for instructions on how to define the side that is to be worked first.

  The side that is being worked will be displayed in one of three colors, depending on market conditions:

  Green The order is marketable.

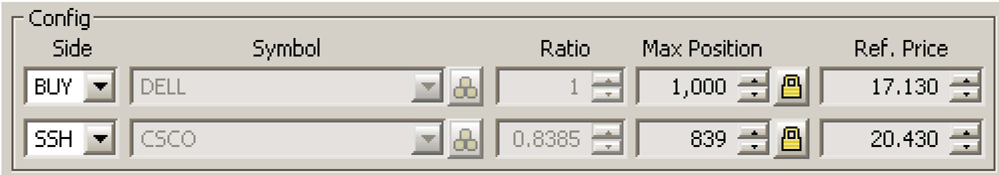
  Yellow The order is placeable, but not marketable.

  Red The order is not placeable because it is too far outside the market.
- **Bid & Asked Values** based on the current market quotes.

  Bid is the current market's Bid price and below it is the current executed quantity of the security.

  Ask is the current market's Ask price and below it is the current executed quantity of the security.
- **Achieved** is the **average price** and **quantity** that have been executed by Spread Agent.

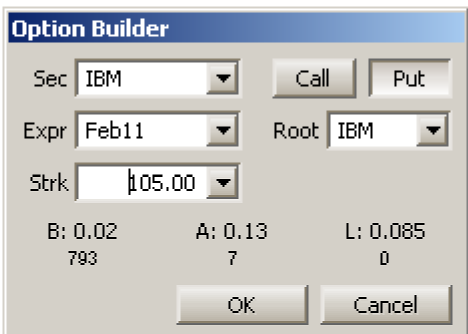
Configuration Parameters



1. **Sides, Side Types, and Symbols**—Generally, each spread will have one security with a buy side type and another with a sell side type. However, two like side types may also be chosen (i.e., BUY and BUY).

   In the **Symbol** field, either manually type in a symbol name or select one from the drop-down list.

   Set Spread Agent for Options

   Spread Agent can be set to send initial and hedge orders as **Options**.

   a. Press the **Build Option icon**  (located next to the Symbol field). The Option Builder window (above) will appear.

   b. Enter the necessary data in each field (security, expiration date, strike price, call or put, and root).

   c. Select **OK** to accept the values or Cancel to exit without savings.

   d. Repeat for the other side, if desired.

2. **Ratio**—The ratio values are applied to their corresponding security's prices whenever calculating a Spread value. This allows for the normalization of the price of each security so that it will have an appropriately weighted effect on the resulting Spread value. When the Symbol input is modified, these values are snapped to the ratio of the current market prices.

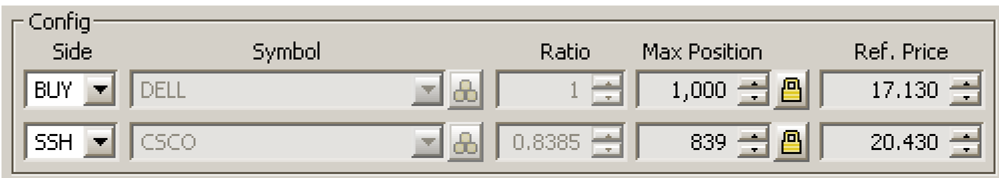
3. **Max Position**—The maximum position (in shares) that the Spread Agent may have open for the corresponding security and side. If the Reverse spread is enabled, the Spread Agent will trade both sides of a security without exceeding the position specified for each side. If the Reverse spread is disabled, the Spread Agent will finish once each security's position is achieved. Pressing the lock icon  will prevent this

value from being snapped as a result of other configurations (Qty, Ratio, Symbol, etc.) being modified.

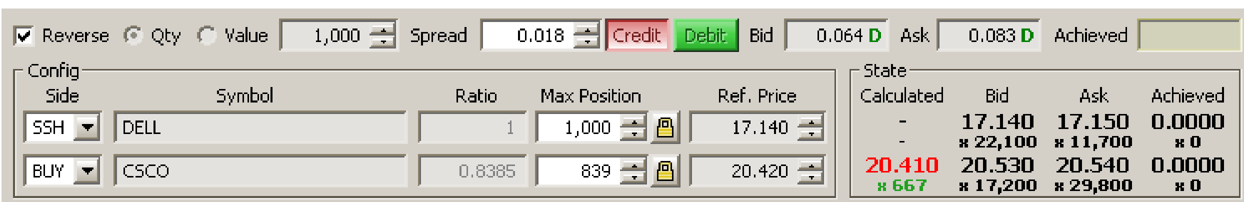
TIP FOR SETTING MAX POSITION: It is common to have a **Locate ID** for a Short Sale (SSH) of a certain amount of a security. In that case, it may be beneficial to limit the position on the sell side more than on the buy side.

4. **Ref. Price**—The reference price influences the value of the desired spread. If this value is modified, the spread will change accordingly.

Reverse Spread



Initial Spread



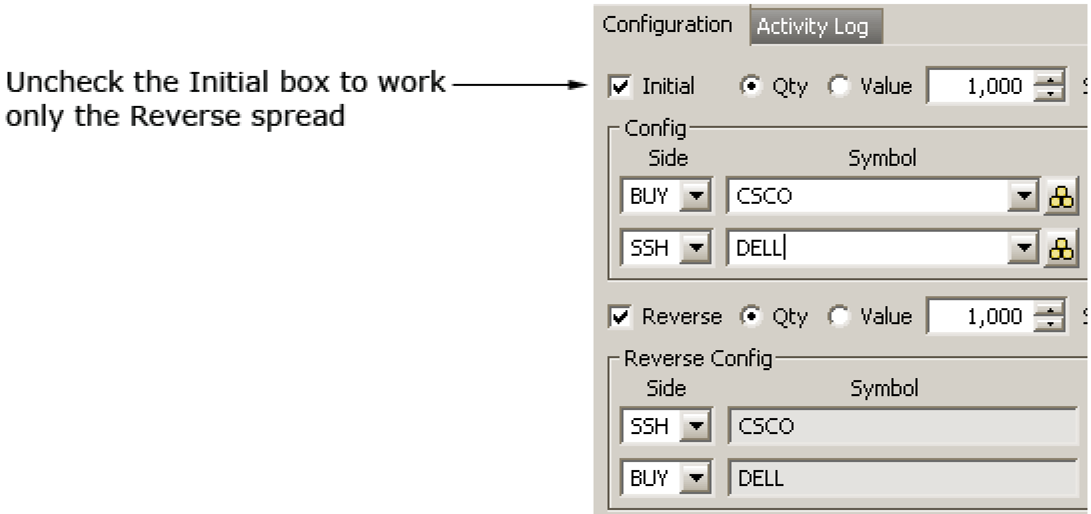
Reverse spread uses side types that oppose those in the initial spread

A second (or **Reverse**) spread is achieved by trading **the same two securities with the same ratios** as the first spread. However, the reverse spread must use side types that oppose the side types used by the first spread. In the images above, the initial spread uses the BUY side type for the first security, while the Reverse spread uses the SSH side type for that same security.

Check the **Reverse** box to reveal the reverse spread parameters. The **configuration parameters** are set up in the same manner as the regular spread. If **Reverse** is not checked, Spread Agent will only work a single spread and will not display the reverse spread parameters.

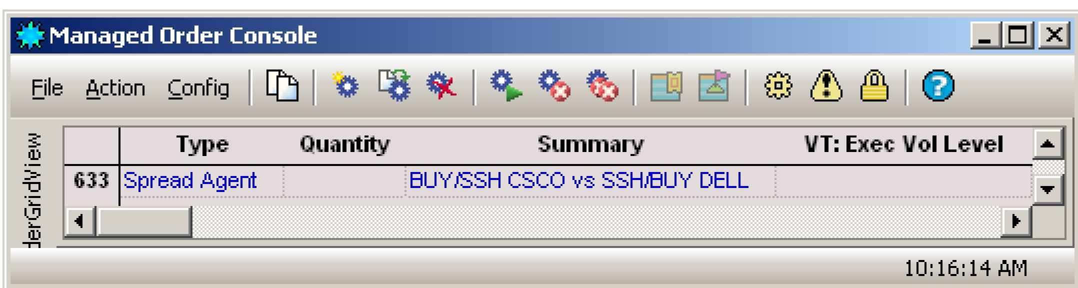
Note Regarding Reverse Spread and Hedge Orders: When using a reverse spread, the Spread Agent may close out a position instead of hedging it. If an initial order fills before an opposing hedge order *of the same security*, the hedge order will be canceled. If there are multiple live hedge orders, the hedge order with the **worst price** will be canceled.

Disable the Initial Spread and Work Only the Reverse Spread



When it's preferable to work only the Reverse spread, the **Initial** spread can be disabled.

The **Initial** check box can be unchecked *while the Spread Agent is running.* The order change will be reflected in the Managed Order Console in the **Summary** column:

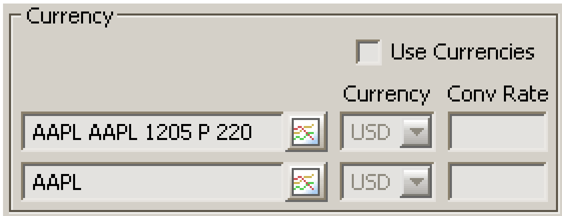


The Managed Order Console lists the Spread Agent with both Initial and Reverse spreads.

The Managed Order Console displays only the Reverse Spread when the Initial Spread is disabled.

Note: At any time while the Spread Agent is running, the initial spread can be worked again by checking the **Initial** check box.

Currency



By default, Spread Agent trades in U.S. dollars, but different currencies may be selected.

Choose a different currency:

1. Check the **Use Currencies** box.
2. From the drop-down list, select a currency for each side.

   The **conversion rate** will be computed automatically.

To view historic volatility data for a security, press the **show/hide chart** button (next to the symbol name).

Clean Up Positions, Progress, Position, Estimated Cash

Selecting the **Clean Up Positions** button causes Spread Agent to only send orders that will close out a position. Once a position of zero is reached, the Spread Agent status is "finished". If the Clean Up Positions button is in the "up" position Spread Agent will respond as before by working the defined spread.

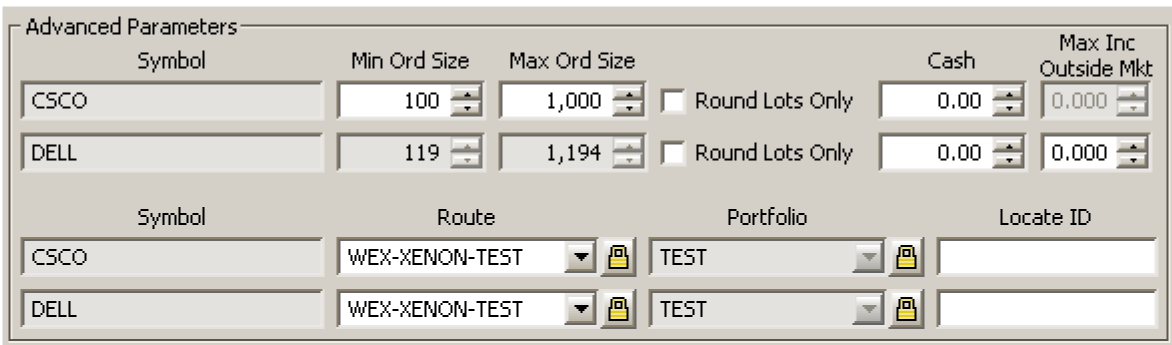
The **Estimated Complete Values** indicate the percentage of completion of the spread order (and reverse order if applicable). The top value refers to the first security in the spread, the second number refers to the second security.

% Cmpl shows the security's executed quantity as a percentage of the security's Max Position. **Note:** This value is not applicable when working two spreads.

Position refers to the accumulated position by firm, account, or portfolio. The default position mode is set in **Global Configuration**.

The **Estimated Cash** fields indicate the profit/loss currently estimated as each spread is being worked. The **Total Est Cash** is the estimated profit/loss from the entire spread order. These cash values are the PNL that the Spread Agent would realize if its positions were closed at current market prices.

Advanced Parameters



Press the **Advanced** button in Edit mode to reveal additional configuration options for Spread Agent. Minimum/maximum order size, round lot selections, and additional cash amounts to add to a spread order are configurable here.

Min Ord Size

The minimum order size is considered *firm* in that an initial order will be placed at the minimum amount if market prices allow it even if the market quantities do not.

Define the minimum order size in shares for a security by entering the value directly or by using the up/down arrows. The value for bottom symbol changes as the top symbol is edited. Only one symbol can be edited for Min Ord Size and the other will be snapped based on the ratio of their Max Positions. In cases where the first symbol is an equity and the second symbol is an option, both can be edited.

Note: The minimum order size cannot be larger than the Max Ord Size.

Max Ord Size

The maximum order size specifies the largest quantity that may be placed for any single order of its corresponding security. Also, it specifies the quantity that may be executed above the achieved quantity of the opposite security (after adjusting for the ratio of the quantities that are remaining before the Max Positions will be reached).

Define the maximum order size in shares for a security by entering the value directly or by using the up/down arrows. The value for bottom symbol changes as the top symbol is edited. Only one symbol can be edited for Max Ord Size and the other will be snapped based on the ratio of their Max Positions. In cases where the first symbol is an equity and the second symbol is an option (or vice versa), both can be edited.

Note: The maximum order size cannot be smaller than the Min Ord Size.

Round Lots Only

Round Lots Only will cause the Spread Agent to try and place order quantities that are rounded to a multiple of 100. The one exception is that partial fills of orders may force the Spread Agent to break this rule and place a non-round lot to prevent a state where it cannot trade. When Round Lots Only is checked, the Order Sizes and Max Positions must be configured to multiples of 100.

Note: A Min Ord Side will be rounded down to the closest multiple of 100 (i.e., 175 shares will round down to 100), while a Max Ord Size will be rounded up.

Cash

This value refers to the amount of cash added to a trade.

For example, in a merger situation, for each share of AGE stock, WB is offering .9844 shares of its stock plus $35.80 in cash.

The current price of AGE is $82.36 and WB is $48.82. The offer value per share is $83.86
(.9844 x 48.82) + 35.80 = $83.86
$83.86 - $82.36 = $1.50 credit.

Note: The values entered in the Cash field affect the spread value. As a single cash value increases, the spread is increased to account for the additional amount. If a single cash value exists, increasing the opposite cash value **reduces** the spread value as one cash value works against the other.

Max Inc Outside Mkt

The **Max Inc Outside Mkt** refers to the threshold outside of the current market that the Spread Agent will place initial orders. The **state** of the order reflects the Max Inc Outside Mkt value. Specifically, if the state is yellow it indicates the order can be placed, even if it isn't marketable. This is used in conjunction with the **Work Mode**.

Note: Increasing the Max Inc Outside Mkt is likely to cause the Spread Agent to generate more order flow, so it should be used with caution.

Route and Portfolio

Both Route and Portfolio must be selected from their drop-down lists before Spread Agent can initiate a spread order.

Note: Both routes and portfolios can have their values locked by pressing the lock icon.

Learn how to set up default routes and portfolios **here**.

Locate ID

The **Locate ID** field is used in conjunction with SEC regulation **SHO** which requires a locate identifier for short sales in all equity securities. Usually, a locate ID number is entered prior to effecting the short sale. Enter the locate ID in for either symbol in Spread Agent.

Work Mode

Work modes, coupled with **Max Inc Outside Mkt**, determine at what levels the Spread Agent will place orders (relative to current market prices and quantities). These configurations have a direct effect on the amount of order flow generated by the Spread Agent.

Spread Agent is set to run in one of three modes:

1. **Work Bid or Offer**—An initial order will be placed at the buy bid/sell ask price when the calculated price of the security is as good as, or better than, the current marketable price (less the Max Inc Outside Mkt adjustment).

   Eye—The Eye feature enables the Work Bid or Offer mode to place an IOC (**I**mmediate **o**r **C**ancel) option order to *buy at the ask* or *sell at the bid* to try and capture marketable liquidity before falling back to its default behavior. To use this feature, Spread Agent must be in Work Bid or Offer mode and the configured option route must support a Time In Force of IOC. Since the order will only be routed to the exchange designated in the **Rte** (Route) field, it is highly recommended to use this feature with a WEX smart router such as Xenon for orders to capture liquidity more broadly.

2. **Work Aggressively**—An initial order will be placed at the calculated price of the security when that price is as good as, or better than, the current marketable price (less the Max Inc Outside Mkt adjustment).

3. **Market Taker**—An initial order will be placed at the current marketable price when the calculated price of a security is as good as, or better than, the current marketable price (less the Max Inc Outside Mkt adjustment). The quantity of the initial order will be *at most* the amount currently available in the market.

Work Side First

Spread Agent can be instructed to work either or sell side first for a spread or reverse spread. If enabled, the selected side will send out orders based on the achievability of the spread.

The side not selected will place orders only when they are needed to hedge.

1. Check the **Work Side First** box to enable the feature.

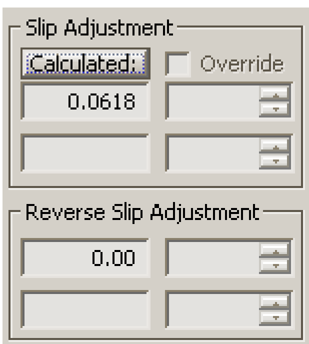
2. Select the side to work first from the drop-down list.

For reverse spreads check the **Reverse Work Side First** box and make a selection from the drop-down list.

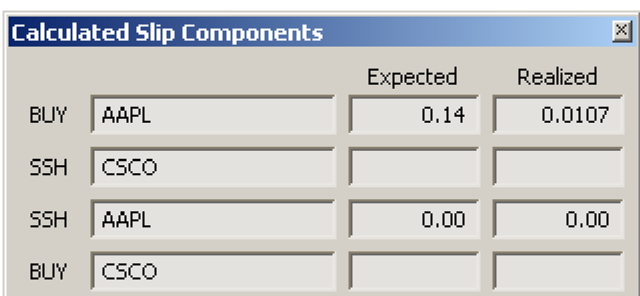
Note 1: When Work Side First is unchecked, Spread Agent will place initial orders for *both securities simultaneously* (assuming the spread is achievable on both sides of the market). When one or both initial orders fill, they will be hedged with the opposing security in the same way as when working only one side.

Note 2: If trading an option and a stock, Spread Agent will force the option side first.

Slip Adjustment



Slip Adjustment



Calculated Slip Components

A **Slip** occurs in Spread Agent when it attempts to achieve a spread, yet fills a portion of the order at a worse than configured price. Spread Agent will attempt to rectify this situation by adding a calculated amount that's spread over the entire order (known as the **Slip Adjustment**), with the result of a completed order at the desired price.

The following conditions could cause a slip adjustment to occur (note this is not a comprehensive list):

- An initial order is filled, but the opposite security's market has moved before the hedge order was placed.

- **Round Lots Only** has been selected and a partial fill of an initial order occurs that cannot be hedged immediately due to the round-lots demand.
- Stopping before the Spread Agent is fully hedged, and then restarting after the market has moved.
- A **Stop Loss** has been hit. The amount of the slip incurred will be directly proportional to the amount of loss.

The values displayed in the **Calculated** window are price adjustments that will be applied to the expected hedge security's price during initial order price calculations. The effect of the slip adjustment is reflected in the State Calculated prices. In the Slip Adjustment image (above), when calculating the price of an initial order for the sell side, the Spread Agent must assume a hedge price that is **0.618 worse** than the current market price in order to achieve its spread.

Pressing the **Calculated** button opens the **Calculated Slip Components** window. This read-only window displays the components that caused the calculation.

- **Expected**—The average of how much the hedge order of the security has missed its expected price during the runtime of this Spread Agent. This will reset once orders from previous trading have been cleared from the system.

  TIP: A lower **Max Ord Size** relative to the **Max Position** can improve the accuracy of the expected slip since the average will smooth out over a larger order history.

- **Realized**—The amount that the price of a hedge order needs to be adjusted in order to make up the incurred slip by the time the Spread Agent reaches its max position. This will reset once orders from previous trading have been cleared from the system.

  For example: If the Spread Agent has missed the desired spread so far, incurring a $100 deviation from the total desired value, the realized slip adjustment would be $100 **divided by the quantity remaining** until the Max Position is achieved.

Override Spread Agent's Slip Adjustment

You can override the dynamic values that Spread Agent has calculated for achieving a spread with custom defined values. In edit mode, check the **Override** box and either manually enter a value or use the up/down arrows to define a value. Once the order has started again, the override value can be adjusted without the need for entering the edit mode.

Caution is advised when using the override. The Spread Agent's dynamic Slip Adjustments will be ignored when the override is enabled. This introduces risk that the desired Spread may not be achieved when the occurring slip is larger than the configured adjustment. There is also risk that the Spread Agent will be less aggressive if the occurring slip is less than the configured adjustment, causing market opportunities to be missed.

Conditions

Learn how to configure conditions **here**.

Safeguards

Safeguards are common throughout all Managed Orders. Click **here** to learn about them.

Other Actions

Other Actions are also common throughout all Managed Orders. Click **here** to learn about them.

Status Messages

A number of status messages can be displayed in Spread Agent. Some are reactive to the safeguards in place (i.e., "past automatic shutoff time") while others report an error or status of the spread order. Here are just a few of the more common status messages:

- **Finished**—Spread Agent is finished when both sides have executed quantity greater than or equal to each specified *Target*. The Spread Agent should never execute quantity greater than a side's *Target*, but Spread Agent checks for this case regardless.

- **Aborted**—Spread Agent will additionally abort when any of the following occurs:

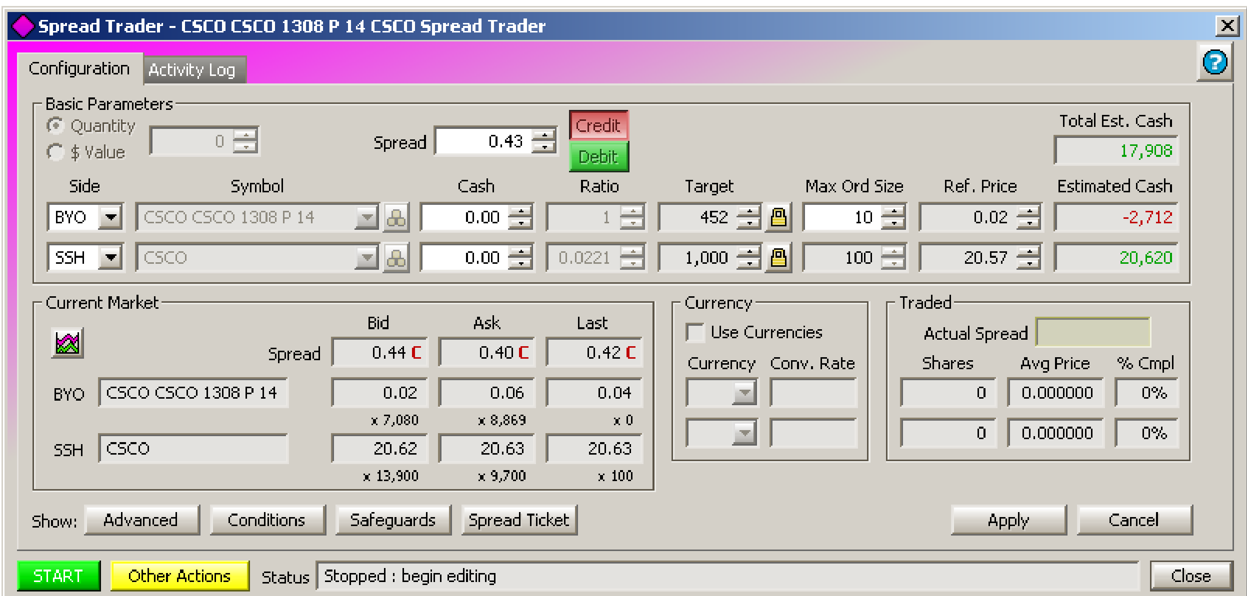
    - No unhedged initial order prices exist when a hedge order needs to be placed
    - An order cannot be initialized
    - An order reject is received

- **Stalled**—Spread Agent will also stall when any of the following occurs:

    - Either side's route becomes unavailable
    - Required option quote sources are missing from the global configuration
    - Any required market data record is missing data
    - Any enabled trading *Condition* is not true
    - The current and reverse spreads are crossed

Spread Trader

Spread Trader allows for the trading of two products with the anticipation that an increase in one product will effect an increase in the other (or a decrease in one effect a decrease in the other). The two products are defined by their price ratios, target quantities and the spread value. Once market conditions are suitable for achieving the spread, Spread Trader places an order for the product that is easiest to fill. Once that order has been filled, an order for the opposing product is sent at a price that will achieve the spread. If market conditions make it impossible to complete the spread with the initial order price, the open initial order will be canceled.



[Launch Spread Trader]
[Configure a Basic Spread]
[The Current Market]
[Volatility Chart]
[Currency]
[Traded Status]
[Advanced Parameters]
[Conditions]
[Safeguards]
[Spread Ticket]
[Trading Options]
[Activity Log]
[Start and Stop Spread Trader]
[Other Actions]

Launch Spread Trader

From the **Managed Order Console** type **Ctrl + Shift + d.**

Alternate Methods:

From the **Action** menu in the Managed Order Console, select **New Managed Order -->Spread Trader**

Right-click in the Managed Order Console grid and select **New Managed Order -->Spread Trader**

Note: Spread Trader can also be launched via the Spread Trader button in the **Option Quote Cube**.

Configure a Basic Spread

There are a number of values in Spread Trader that must be filled in order to execute a spread.

Note: Each Spread Trader side can have only one initial order open at any point in time.

- **Quantity or $ Value**—Enter one of the following:

  Quantity—The number of shares. The value entered is multiplied by the **Ratio** value and its sum is reflected in the **Target** field.

  Note: The amount in the **Target** field will be rounded up or down to the nearest hundred if **Round Lots Only** is checked.

  $ Value—Estimated cash for each side will equal the $ Value. This value is used when a trader wishes to create (or remove) a certain cash position on either side.

- **Spread**—The price a trader desired to pay (debit) or receive (credit) when trading the two sides of the Spread Trader.

- **Credit/Debit**—The buttons **Credit** and **Debit** refer to the concepts of "widening" and "narrowing." If **Credit** is selected, it's anticipated that the long symbol price (i.e., the long symbol you're selling) will increase, thereby "widening" the difference between two symbols. Selecting **Debit** indicates a desire to see the spread price "narrow" to zero then open up (or "widen") to make money.

  If **Credit** is selected, it is with the anticipation that a payout will be made in *at least* the defined value. If **Debit** is selected, the charge when trading a pair will be *at most* the defined value.

- **Sides and Symbols**—Generally, a **BUY** side and a **SELL** side are selected as parameters for the spread, but two like sides (i.e., **BUY** and **BUY**) may also be chosen.

  Select a side from the following:

  BUY (Buy long)
  BYC (Buy to close)
  SEL (Sell long)
  SLA (Auto sell)
  SSH (Sell short)

  In the **Symbol** field, either manually type in a symbol name or select one from the drop-down list.

- **Cash**—This value refers to the amount of cash added to a trade.

  For example, in a merger situation, for each share of AGE stock, WB is offering .9844 shares of its stock **plus $35.80 in cash.**

  The current price of AGE is $82.36 and WB is $48.82. The offer value per share is $83.86 (.9844 x 48.82) + 35.80 = $83.86
  $83.86 - $82.36 = $1.50 credit.

- **Ratio**—The pricing of orders is based on the **Ratio** value, defined as the ratio between the prices of the symbols.

- **Target**—The total number of shares (or contracts) to be traded on this side. In **Quantity** mode, each side's target value is defined as **Quantity x Ratio**.

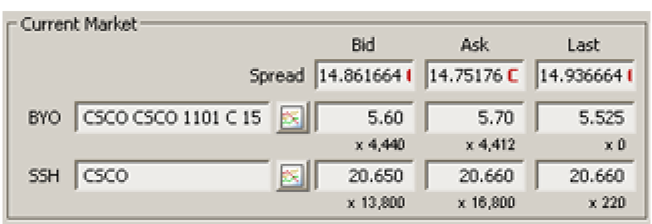
  Note: The target amounts can be locked by pressing the lock icon next to the target field.

- **Max Order Size**—An initial order on this side will **not** be sent with a quantity larger than the maximum order size.

- **Ref. Price**—The **reference price** influences the value of the desired spread. If this value is modified, the spread will update.

- **Estimated Cash and Total Est. Cash—**The estimated cash values of everything Spread Trader will trade. Buy sides have a **negative** cash, sell sides have a **positive** cash and is calculated as **(estimated side price x side target)**.

The Current Market



Spread Trader reports the current **Bid, Ask,** and **Last** quotes for the selected symbols.

In addition, the spread values for each quote are displayed resulting in either a Credit (C) or Debit (D) position.

Volatility Chart

Pressing the Volatility Chart button  opens the chart for the defined security.

Learn more about the Volatility Chart **here**.

Currency

By default, Spread Trader trades in U.S. dollars, but different currencies may be selected.

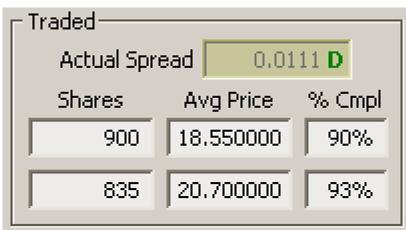
Choose a different currency:

1. Check the **Use Currencies** box.

2. From the drop-down list, select a currency for each side.

   The conversion rate will be computed automatically.

Traded Status

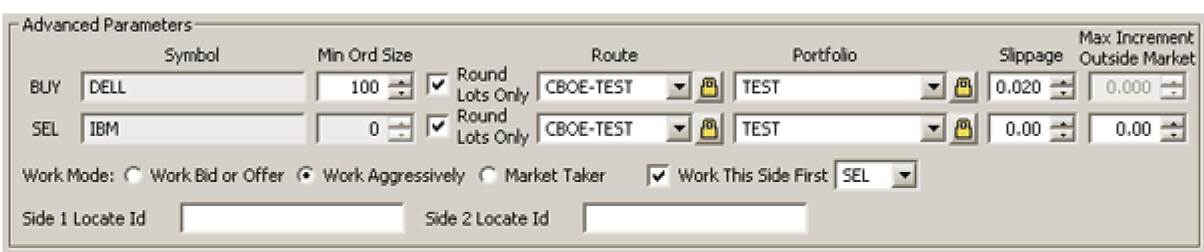


The **Traded** box reports on the status of the Spread Trader.

- **Actual Spread**—The spread value that was achieved while trading, specified using **Credit (C)** or **Debit (D)** notation.

- **Shares, Avg. Price, % Cmpl**—The number of shares/contracts traded on each side, the average price of each side's traded shares/contracts, and the percentage of completion toward each side's target (100% indicates Spread Trader has completed in its entirety).

Advanced Parameters



Press the **Advanced** button to configure minimum order size, route, portfolio, and other options.

Min Ord Size

The minimum order size is considered *firm* in that an initial order will be placed at the minimum amount if market prices allow it even if the market quantities do not.

Define the **minimum order size** in shares for each symbol either by entering the value directly or by using the up/down arrows.

Note: The minimum order size cannot be larger than the **Max Ord Size**.

Round Lots Only

If the **Round Lots Only** box is checked, the **Min Ord Size** and **Max Ord Size** will be interpreted as multiples of 100.

Note: A **Min Ord Side** will be rounded **down** to the closest multiple of 100 (i.e., 175 shares will round down to 100), while a **Max Ord Size** will be rounded **up**.

Route and Portfolio

Both **Route** and **Portfolio** must be selected from their drop-down lists before Spread Trader can initiate a spread order.

Note: Both routes and portfolios can have their values locked by pressing the lock icon.

Learn how to set up default routes and portfolios **here**.

Slippage

Slippage refers to the difference between the actual fill price and the available price at the time the order was placed. For a buy, it's the difference between the execution price and the ask. For a sell, it's the difference between the execution price and the bid at the time the order was placed.

The value entered in the Slippage field is considered in the viability of achieving the spread.

Max Increment Outside Market

The **Max Increment Outside Market** refers to the maximum increment below the current bid or above the current ask at which an initial order will be placed. This value is internally adjusted by small amounts to prevent rapid cancelation and replacement of orders sitting at the edges of the market during small market fluctuations

Note: You can only enter a value for the side being worked first.

Work Mode

Whether or not a price can be sent might require additional work. The different types of **Work Modes** affect where in the market an initial order can be placed.

Spread Trader is set to run in one of three modes:

- **Work Bid or Offer—**The initial order will match the prevailing bid or offer as long as this will not violate the desired limit price.
- **Work Aggressively—**The initial order will be placed at the most aggressive price allowable without violating the desired limit. This may, or may not, result in the initial order taking liquidity.
- **Market Taker—**The initial order is only placed when the desired limit is currently achievable in the marketplace. It will only take liquidity.

Work This Side First

Spread Trader can be instructed to work either side first. If enabled, the selected side will send out orders based on the achievability of the spread.

The side not selected will place orders only when they are needed to hedge.

1. Check the **Work This Side First** box to enable the feature.
2. Select the side to work first from the drop-down list.

Note: If trading an option and a stock, Spread Trader will force the option side first.

Side 1 Locate Id/Side 2 Locate Id

These fields are used as part of SEC Regulation SHO for short sales. This regulation includes a new uniform requirement for broker-dealers to locate securities available for borrowing prior to effecting a short sale. Both numbers and letters can be used in each Locate ID, but there is a 16-character limit.

Conditions

Learn how to configure conditions **here**.

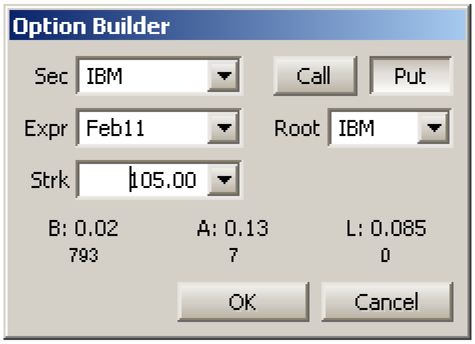
Safeguards

Safeguards are common throughout all Managed Orders. Click **here** to learn about them.

Spread Ticket

Selecting the **Spread Ticket** button opens the ticket. In order for the Spread Ticket button to be active, the securities must be the same and, at least, one of the two has to be an option order.

Trading Options



Spread Trader can send initial and hedge orders as options.

Set Spread Trader for Options

1. In the **Basic Parameters** section of Spread Trader, press the **Build Option** icon next to the Symbol name.

2. The **Option Builder** window (above) will appear.

3. Enter the necessary data in each field (security, expiration date, strike price, call or put, and root).

4. Press **OK** to accept the values or **Cancel** to exit without savings.

5. Repeat for the other side.

Activity Log

Click **here** to learn about the Activity Log.

Start and Stop Spread Trader


Owners: <Current User>

	Name	Summary	Owner	Start	Stop	State	Status Msg	Wave Id
1	AAPL AAQ 0910 P 30	BYO AAPL AAQ 0910	ispivak	Start		Stopped	begin editing	AE-1
2	C C 0909 P 4 DELL DL	BYO C C 0909 P 4 vs	ispivak		Stop	Started		AE-2

When all the edits to Spread Trader are complete, press the **Apply** button then the **Start** button.

Note: If the **Start** button is pressed *before* the **Apply** button, Spread Trader will open a dialog box asking if the editing is finished and should the managed order be started.

The **Start** button is also displayed in the **Managed Order Console**.

The **Stop** button stops an incomplete spread trade. Once stopped, Spread Trader can be edited. The **Stop** button is also visible in the Managed Order Console. Pressing it here or in Spread Trader accomplishes the same thing.

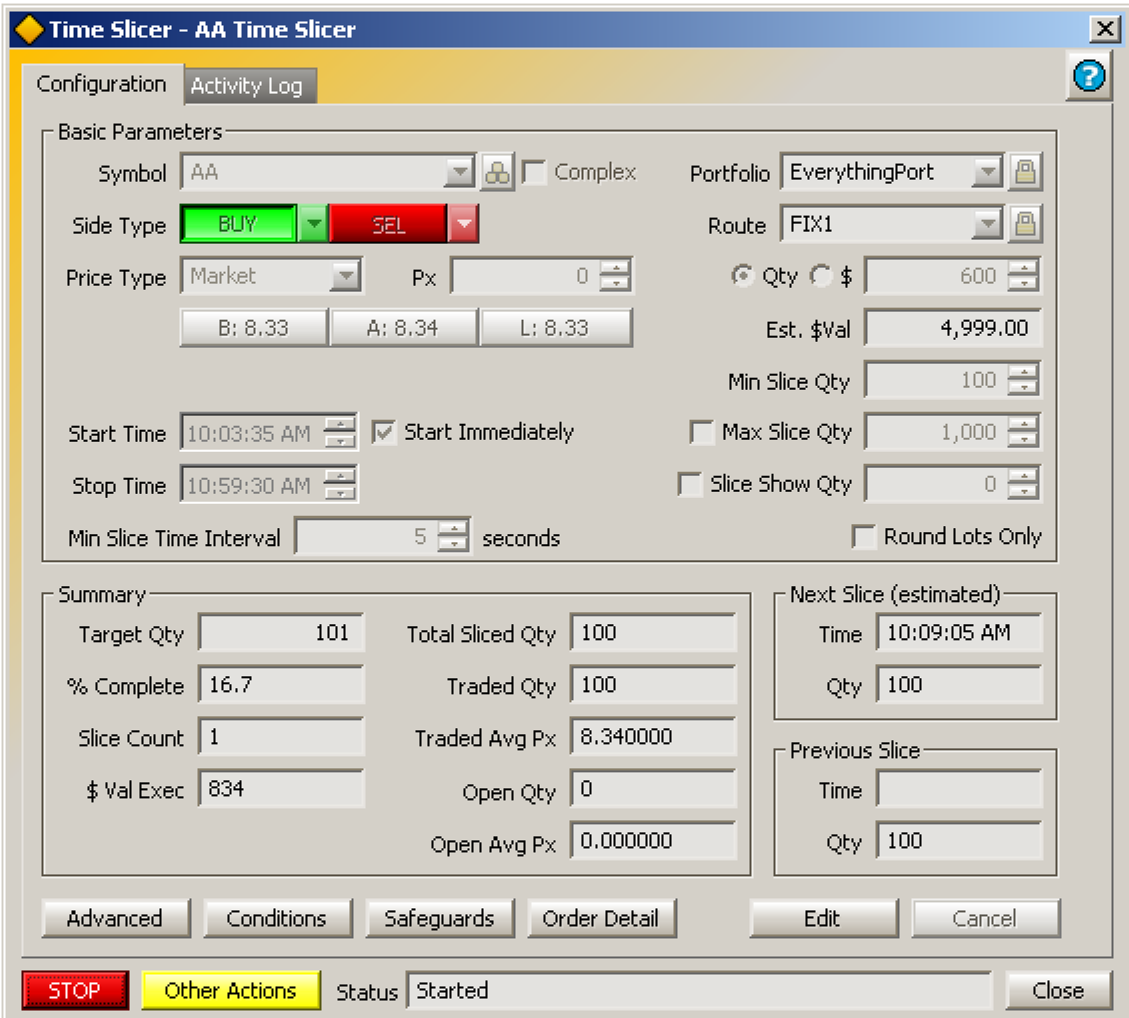
In the image above, two spread trades are summarized in the Managed Order Console. One is waiting to start and one has started and can be stopped.

Other Actions

Click **here** to learn about the Other Actions feature in this, and all Managed Order applets.

Time Slicer

Time Slicer spreads trades on a single product over a defined time period. Configuring the start and stop times, minimum trade quantity, and interval between "slices" (portions of the total order) avoids flooding the market with a large order. Additional controls allow for the randomization of Time Slicer intervals and/or quantities.



[Launch Time Slicer](#)

[Configure a Time Slicer Order](#)

[The Summary Section](#)

[Advanced Parameters](#)

[Conditional Trading](#)

[Safeguards](#)

[Order Detail](#)

[Other Actions](#)

Launch Time Slicer

From the **Managed Order Console** type **Ctrl + Shift + t.**

Alternate Methods:

From the **Action** menu in the Managed Order Console, select
New Managed Order -->Time Slicer

Right-click in the Managed Order Console grid and select
New Managed Order -->Time Slicer

Configure a Time Slicer Order

The following fields must be specified to start a Time Slicer order:

Symbol—Type a symbol or select one from the drop-down list.

> **Note:** Press the Build Option icon (next to the Symbol field) to configure Time Slicer to trade Options.

Side Type—Select a BUY or SELL side type from the drop-down list.

Price Type—Select a price type from the drop-down list.

Inc/Px—Depending on the selected Price Type, either an incremental value or price amount is entered in this field.

> Press the Bid/Ask/Last buttons to enter the selected amount in the Px field.
>
> **Note:** When the Price Type is **Market**, a Px value cannot be entered. If a Bid/Ask/Last button is pressed, the Price Type will change to **Limit.**

Portfolio and Route—Select a portfolio and route from their respective drop-down lists.

> **Note:** Press the lock icon next to the Portfolio and Route fields to save those values if the symbol field is changed. The values will not be saved when opening a new Time Slicer window.

Qty or $—To have Time Slicer attempt to fill an order based on the number of shares to buy or sell, select **Qty** and enter the number of shares. The **Est. $Val** field will display the value of the shares.

To fill an order based on the total price, select **$** and enter a dollar value. The **Est. Qty** field will display the equivalent number of shares based on the dollar value.

Min Slice Qty—Enter a value corresponding to the minimum number of shares (i.e., the slice) Time Slicer will attempt to fill.

> **Note:** Optionally, check the **Max Slice Qty** box and enter a value corresponding to the maximum slice size that Time Slicer will place.

Slice Show Qty—When enabled, the entered display value is applied to all sliced orders sent. The show quantity will be displayed as long as its value is less than or equal to the slice's order quantity.

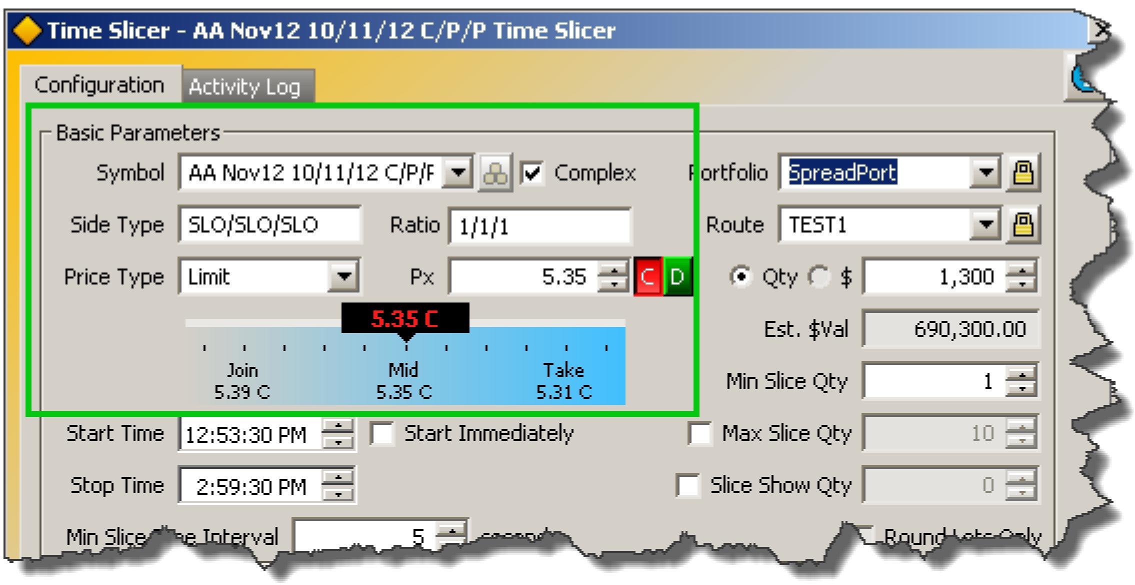
Round Lots Only—Check this box if Time Slicer is to send *equity* orders in multiples of 100.

Start Time/Stop Time—Enter the start and stop parameters when Time Slicer can trade.

> **Note:** Check the **Start Immediately** box to have Time Slicer trade as soon as the order has started.

Min Slice Time Interval—This value (expressed in seconds) refers to the minimum time interval that Time Slicer will attempt to trade the minimum slice quantity.

Complex Orders



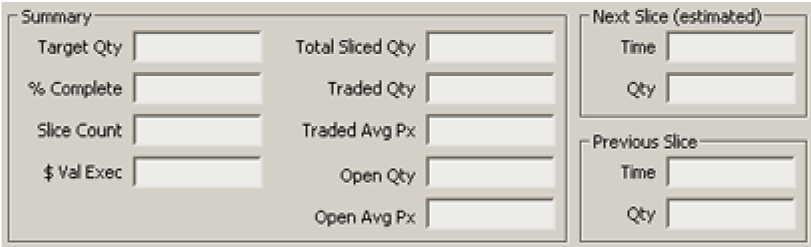
A spread order originating in Option Quote Cube sent to Time Slicer

Time Slicer has the ability to support spread orders.

The **send to** feature can be used to send spread parameters from a WTP applet (such as **Option Quote Cube** or **Spread Trader**).

Spread parameters can be manually entered as well by checking the **Complex** box and filling in values into the **Symbol**, **Side Type**, and **Ratio** edit boxes.

The Summary Section



Time Slicer displays an order's status in the Summary section.

Target Qty—Time Slicer sends an order when the Target Quantity is greater than the sum of Total Sliced Quantity and the Next Slice (estimated) quantity.

> In the image above, 400 (Total Slice Quantity) + 600 (Next Slice estimated) = 1000
>
> Time Slicer will send an order when the Target Quantity is greater than 1000.
>
> **Note:** The behavior of Time Slicer with regard to the Target Quantity is only true if **Randomize Slice Quantity** is not enabled. See **advanced parameters** below for the description of the randomize feature.

% Complete—The percentage of completeness for the entire quantity or dollar amount.

Slice Count—The total number of traded and open orders.

$ Val Exec—The dollar amount refers to the total dollar amount executed by a Time Slicer order. It is calculated by multiplying the traded quantity by the traded average price.

Total Sliced Qty—The sum of all traded and open shares.

Traded Qty—The total number of traded shares.

Traded Avg Px—The average price for all trades.

Open Qty—The number of shares still waiting to be traded.

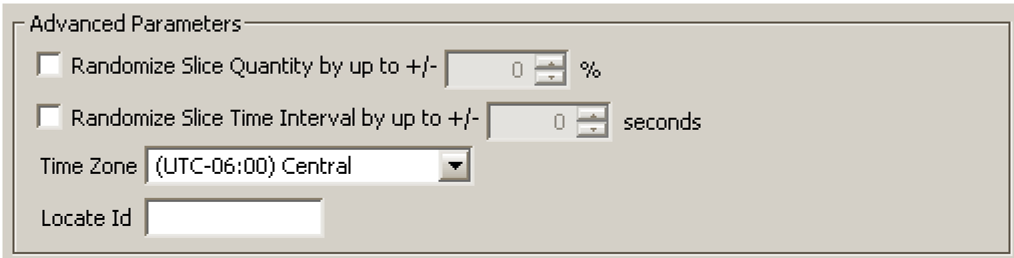
Open Avg Px—The average price of the shares waiting to be traded.

Next Slice/Previous Slice

The **Next Slice** field displays the estimated time and quantity of the next slice. These values are determined by Time Slicer based on market conditions.

The **Previous Slice** displays the time and quantity of the most recent slice.

Advanced Parameters



Randomize Slice Quantity and Time Interval

Each slice is typically placed using a consistent time interval and quantity. The quantity can be varied by a defined percentage.

Similarly, the minimum slice time interval can also be varied by a value in seconds. However, the Time Slicer will never violate the Min Slice Time Interval or Min Slice Qty values.

Check either box to activate the advanced parameter. For Random Slice Quantity enter a percentage value. For Random Slice Time enter a value representing seconds.

Time Zone

From the drop-down menu, select the appropriate time zone. The time zone selected works in conjunction with the **Start Time** and **Stop Time** basic parameters.

Locate ID

Per SEC regulation **SHO**, traders are required to **locate** securities available for borrowing prior to effecting a short sale. Consequently, an identifier can be added in the **Locate ID** field.

Both numbers and letters can be used in a Locate ID, but there is a 16-character limit.

Time Zone

From the drop-down menu, select the appropriate time zone. The time zone selected works in conjunction with the **Start Time** and **Stop Time** basic parameters.

Conditional Trading

One or more expressions can be defined that allows trading under specific circumstances. Press the **Conditions** button to open the Conditional Trading window.

Learn more about defining conditions **here**.

Safeguards

Safeguards can offer an additional layer of protection for the trader with features such as limiting the number of open orders, order cancelation, and price boundary checks.

Learn more about safeguards **here**.

Order Detail

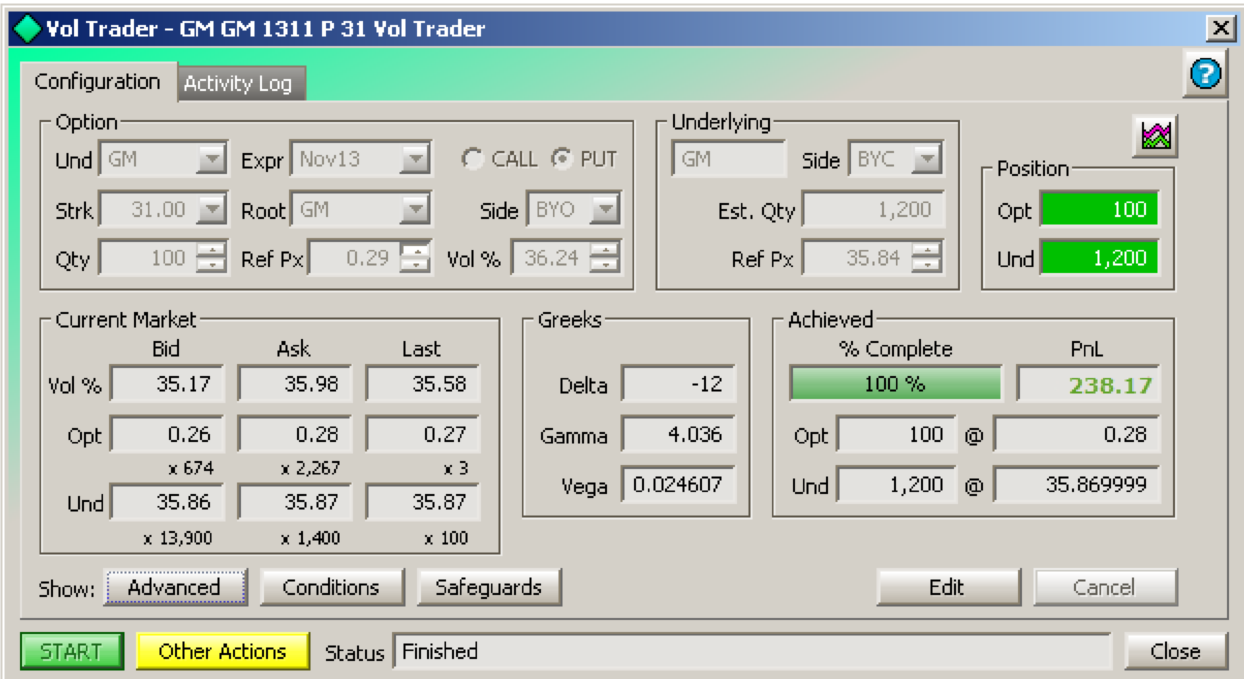
Press the Order Detail button to open the **Order Grid**.

Other Actions

Click **here** to learn how to rename Time Slicer orders, set ownership, and more.

Vol Trader

Vol Trader works by trading an option hedging with its underlying product based on market volatility. An option symbol is defined along with side types and percentage of volatility. A Vol Trader is marketable when (1) buying options with a volatility percentage greater or equal to the ask volatility or (2) selling options with a volatility percentage less than or equal to the bid volatility.



[Launch Vol Trader](#) | [Achieved](#) | [Conditions](#)

[Set Up the Option Order](#) | [Advanced Setup](#) | [Safeguards](#)

[Set Up The Underlying Stock](#) | [Underlying](#) | [Other Actions](#)

[Symbol](#) | [Reverse a Vol Trader Order](#) | [Activity Log](#)

[The Current Market](#) | [The Volatility Chart](#)

[Greeks](#)

Launch Vol Trader

From the **Managed Order Console** type **Ctrl + Shift + o**.

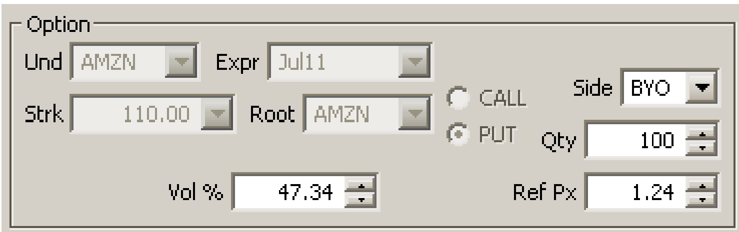
Alternate Methods:

From the **Action** menu in the Managed Order Console, select **New Managed Order -->Vol Trader**

Right-click in the Managed Order Console grid and select **New Managed Order -->Vol Trader**

Note: Vol Trader can also be launched via the Vol Trader button in the **Option Quote Cube**.

Set Up the Option Order



In the **Option** section of the Vol Trader window enter values for each field:

- **Und**—The underlying security. Select from the drop-down list or type a symbol name.
- **Expr**—The option's expiration date.
- **Strk**—The strike price.
- **Root**—The unique option class identifier.
- **Call/Put—**Select the type of option order.
- **Option Side Type**—BYO (Buy to open), BYC (Buy to close), SLO (Sell to open), SLC (Sell to close).
- **Option Quantity**—The desired number of option contracts to trade.
- **Ref Px—**The reference price.
- **Vol %**—Volatility percentage. This value is based on the option and underlying reference prices, though it can be edited once Vol Trader has started. The volatility percentage increases or decreases in direct correlation to the reference price.

Set Up the Underlying Stock Symbol

Vol Trader automatically assigns the underlying security to match the option symbol. Consequently, the **Underlying Symbol** field cannot be edited.

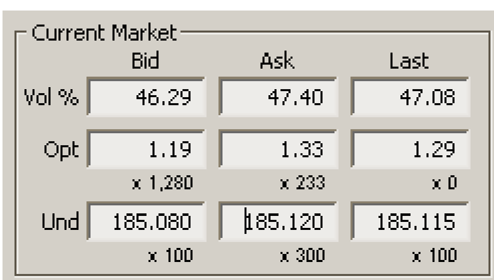
Option Sides Types and the Underlying Stock Side Types

The side type of the underlying security is determined by two factors: the option type (call or put) and the option's side.

Option Type	Option Side Type	Underlying Symbol Side Type
Call	BYC or BYO	SEL, SLA, or SSH
Call	SLC or SLO	BUY or BYC
Put	BYC or BYO	BUY or BYC
Put	SLC or SLO	SEL, SLA, or SSH

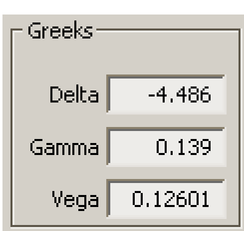
Here, the **Ref Px** refers is the reference price of the underlying security.

The Current Market



The current market's option and underlying Bid/Ask/Last prices are displayed in the **Current Market** area of Vol Trader. The **volatility percentage** values are also displayed.

Greeks



Greeks measure an option's sensitivity to risk components.

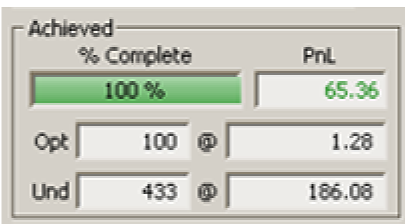
Delta measures the rate of change in the option price over the rate of the change in the underlying security.

Gamma is the ratio of the change of an option's **Delta** to a small change in the price of the underlying security.

Vega is the measurement of the sensitivity of an option's price to a change in its implied volatility.

Note: Greek values are calculated by Wolverine and cannot be edited.

Achieved

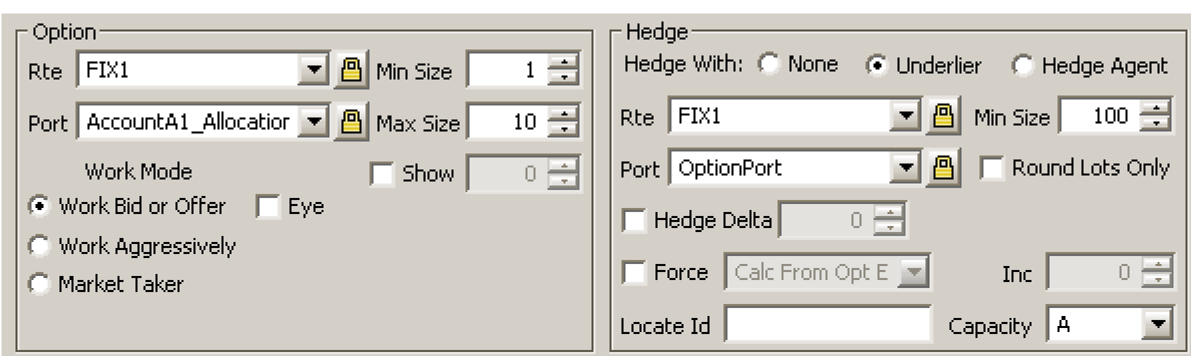


The non-editable **Achieved** section displays the current status of Vol Trader:

- Percentage complete
- PNL (Profit and Loss) amount (profit displayed in **green**, loss displayed in **red**.)
- Number of options traded and price
- Number of underlying shares traded and price

Note: The option and underlying prices are the *average* prices.

Advanced Setup



Option

Press the **Advanced** button to select the following:

- **Rte (Route)** The route(s) to which option orders will be sent (click **here** for Option Quote Source route information).

  Note: If more than one route is selected, Vol Trader with fanout the order as equally as possible among all routes.

- **Port(folio)** The portfolio in which option orders will exist (as defined in **Global Configuration**).

  Note: Both **Rte** and **Port** selections can be locked from making accidental changes. Press the **lock button** to invoke this option.

- **Show** (optional field). For reserve orders this value represents the quantity that should be shown to the world.

  Note: Field is disabled if the selected route does not support reserve orders.

- **Min(imum) Size** specifies the minimum order size.

- **Max(imum) Size** specifies the maximum order size.

- **Work Mode**

  Work Bid or Offer—The initial order will match the prevailing bid or offer as long as this will not violate the desired limit price.

  Eye—The Eye feature enables the Work Bid or Offer mode to place an IOC (**I**mmediate **o**r **C**ancel) option order to *buy at the ask* or *sell at the bid* to try and capture marketable liquidity before falling back to its default behavior. To use this feature, the Vol Trader must be in Work Bid or Offer mode and the configured option route must support a Time In Force of IOC. Since the order will only be routed to the exchange designated in the **Rte** (Route) field, it is highly recommended to use this feature with a WEX smart router such as Xenon for orders to capture liquidity more broadly.

  Work Aggressively—The initial order will be placed at the most aggressive price allowable without violating the desired limit. This may, or may not, result in the initial order taking liquidity.

  Market Taker—The initial order is only placed when the desired limit is currently achievable in the marketplace. It will only take liquidity.

Hedge Parameters

Hedge With:

- **Rte (Route)** for underlying stock symbol (click **here** for information on route configurations).
- **Port(folio)** (as defined in **Global Configuration**).

Note: Both **RTE** and **Port** selections can be locked from making accidental changes. Press the **lock** button to invoke this option.

- **Min Size—**The minimum order size.

- **Round Lots Only—**Check this box if it's preferable to trade shares in round lots only.

- **Force *(side type)*—**To force a hedge trade to be placed with the specified price type, select a side type from the drop-down list.

  If **Calc Price From Option Exec** is selected, Vol Trader will determine the underlying security's price based on the option's sale price and the defined volatility value.

- **Inc(remental)—**Used with **Calc Price** and **Force**.

  Note: The increment cannot be adjusted if the price type is **Market**.

- **Disable Hedge Side—**If checked, only option side orders will be placed.

- **Hedge Delta—**Check this box to specify a delta value which, in turn, will be used in computing the **Est. Qty** of an underlying symbol.

  The Est. Qty is computed as follows: **Hedge Delta x Qty = Est. Qty**

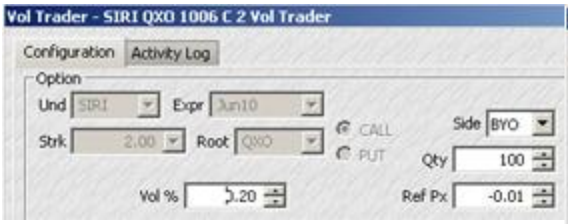
  If Hedge Delta is not checked, the market delta will be used when calculating the Est. Qty value.

  Note: A warning message displays whenever a Hedge Delta value is applied. The message states that a defined underlying quantity will not change with the market.

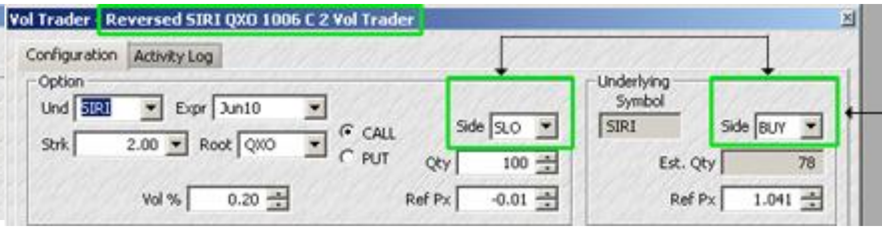
- **Locate ID—**This field is used as part of SEC Regulation SHO for short sales. This regulation includes a new uniform requirement for broker-dealers to **locate** securities available for borrowing prior to effecting a short sale. Both numbers and letters can be used in a Locate ID, but there is a 16-character limit.

Reverse a Vol Trader Order

An unfilled Vol Trader order can have its sides reversed. For example a Vol Trader with a buy side and an underlying sell side can be switched:



Original Vol Trader Order



Vol Trader Reversed

Once a Vol Trader order has been selected to be reversed, the new Vol Trader order will display with the word "Reversed" in the title bar.

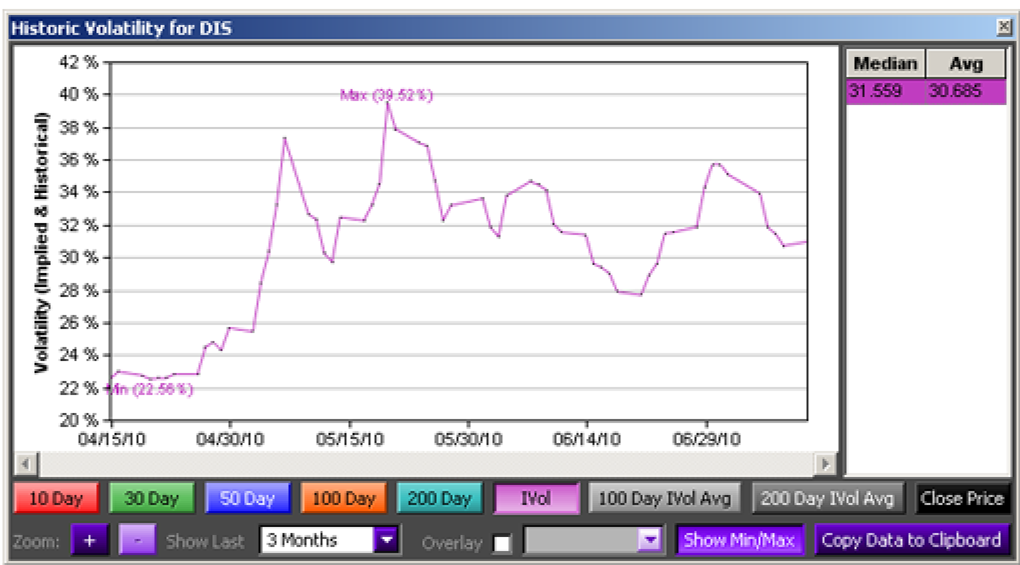
With the reverse feature, Vol Trader can be configured to reverse those quantities that have already been filled, or the entire Vol Trader order.

1. Right-click on a Vol Trader order in the **Managed Order Console** and select **Reverse Vol Trader**.

2. Select either **Reverse Filled Quantities** or **Reverse Entire Vol Trader**.

A reversed Vol Trader window will open**.** Make any desired changes and press **Start** to start the reversed order.

The Volatility Chart Viewer



Press the **Historic Volatility Chart** icon  to launch the chart.

The Historic Volatility Chart graphs volatility data for a security over selected time periods. If the underlying security in Vol Trader changes, the Historic Volatility Chart will change accordingly.

To learn more about the Volatility Chart click **here**.

Calculate Vol Trader Percentage from Reference Prices

Vol % is 0.00 for imported Vol Trader orders

Vol % is calculated when Snap Vol is selected

Unless specifically defined in a Vol Trader import file, imported Vol Traders do not have an associated Vol % value. This is due to the fact that a Vol % value is dependent on a number of factors including a security's reference price, an underlying security's reference price, and current market conditions.

Consequently, the **Managed Order Console** will display the Vol % of imported Vol Traders as 0.00 unless one of the following occurs:

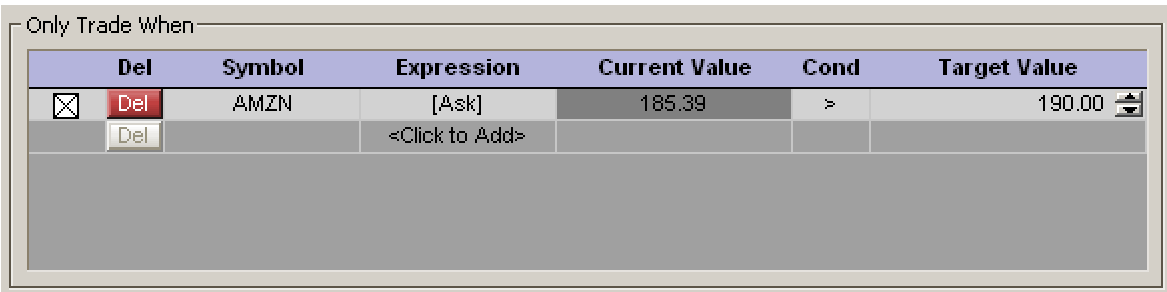
- The order is opened for viewing, at which point the Vol % will be calculated.

- The Vol Trader button **Snap Vol** is selected. The Vol % will be calculated and displayed without the need for opening the order.

Add the Snap Vol column to the Managed Order Console:

1. Open the **Field Chooser**.
2. Select **Vol Trader** then **Snap Vol**.

Conditions



Learn how to define Conditions under which a trade can be made **here**.

Safeguards

Safeguards are common to all Managed Orders. Learn all about them **here**.

Other Actions

Actions such as setting ownership and renaming an order are described **here**.

Activity Log

The **Activity Log** is common for all Managed Orders. Learn about it **here**.

Basic Concepts

Cancel Orders

Orders that are live but have not filled can be canceled.

Most grid-display applets allow for order cancellation, while others display a button that accomplishes the same thing.

Cancel a Live Order for a Single Symbol

1. Click the right mouse button anywhere in a grid-based applet.
2. Select **CXL Orders for Symbol (*symbol name)*** or type **CTRL +z**.

Cancel All Live Orders

1. Click the right mouse button anywhere in a grid-based applet.
2. Select **Cancel All Orders**.

Cancel Matching Orders

With some WTP applets, not only can an order be canceled, but categorized orders can be canceled as well.

Applets **Position Grid**, **Order Grid**, and **Wave Grid** allow for the cancelation of matching orders.

Options when canceling matching orders include:

- **Cancel of Side**
- **Route**
- **In Account**
- **In Portfolio**
- **From User**

Follow the same steps as above when canceling matching orders.

Cancel Order and Cancel Matching Orders from the Order Ticket

Orders can also be canceled from the **Order Ticket**. Click on the Order Ticket with right mouse button and select either **Cancel All Orders** or **Cancel Matching Orders**.

Columns and Formatting

The grids available in a number of WTP applets (Quote Grid, Option Quote Cube, Spread Builder, etc.) are dynamic data reporting tools, completely configurable in both appearance and content type.

The rows and columns in a WTP grid can be customized as follows:

1. Display Columns (applet based, consisting of launch button fields, quote fields, alert fields, and user-defined fields)
2. Colors (standard and alternating backgrounds, selection colors, highlight colors, text colors, market changing colors, PNL colors, buy/sell colors, filled order colors)
3. Fonts (headers/body text, size)
4. Alignment (horizontal/vertical)
5. Format (fractional/numeric/ticks for individual cells)
6. Conditional colors (based on expressions, conditions, and target values)
7. Line Style (none, solid, dashed, dotted)
8. Highlight period of a column (in seconds)

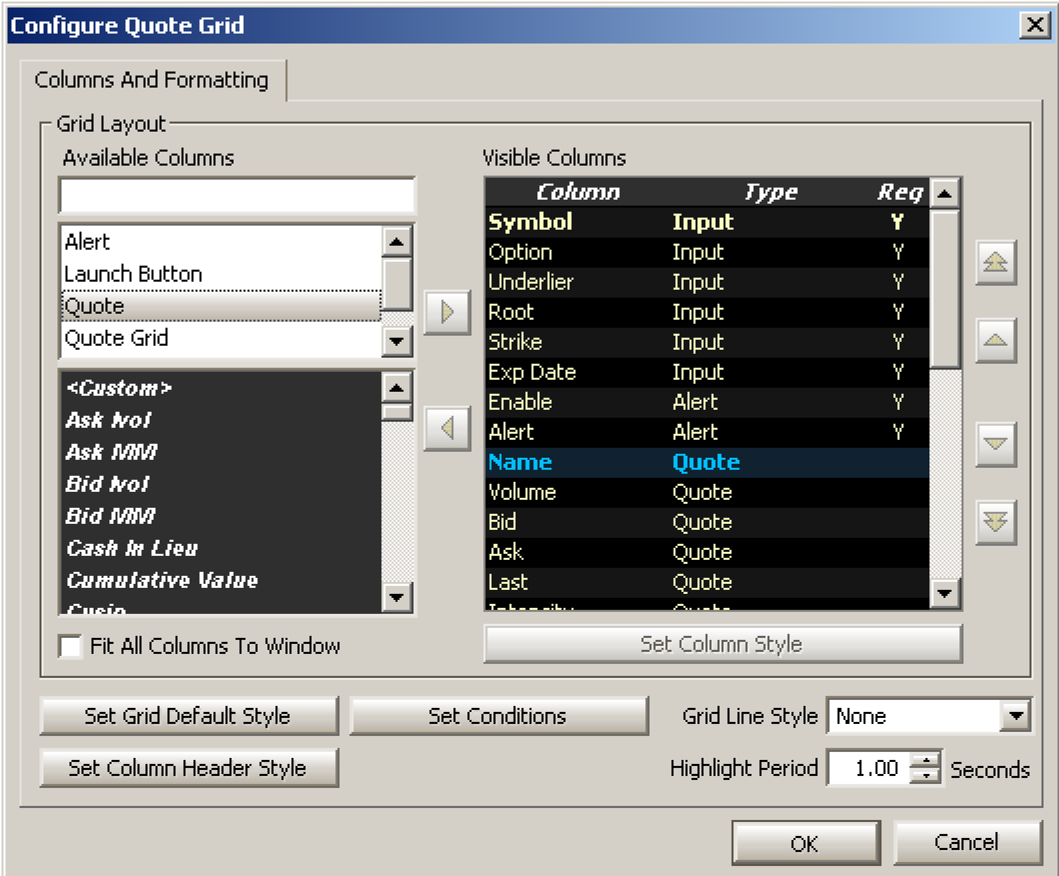
On This Page:

Quote Grid, default grid colors

Quote Grid, custom row colors

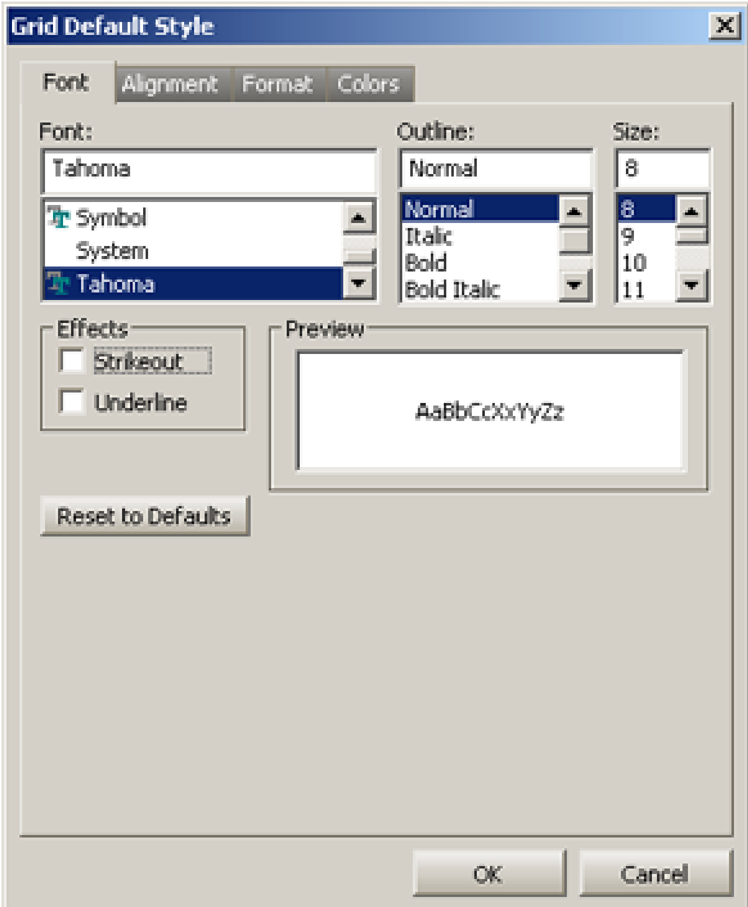
Access the Configuration Screen

For most WTP applets, grid customizing begins with the Configuration screen:



Click the right mouse button anywhere in the grid of an applet and select Configuration. A screen similar to the one above will display.

Set Grid Default Style

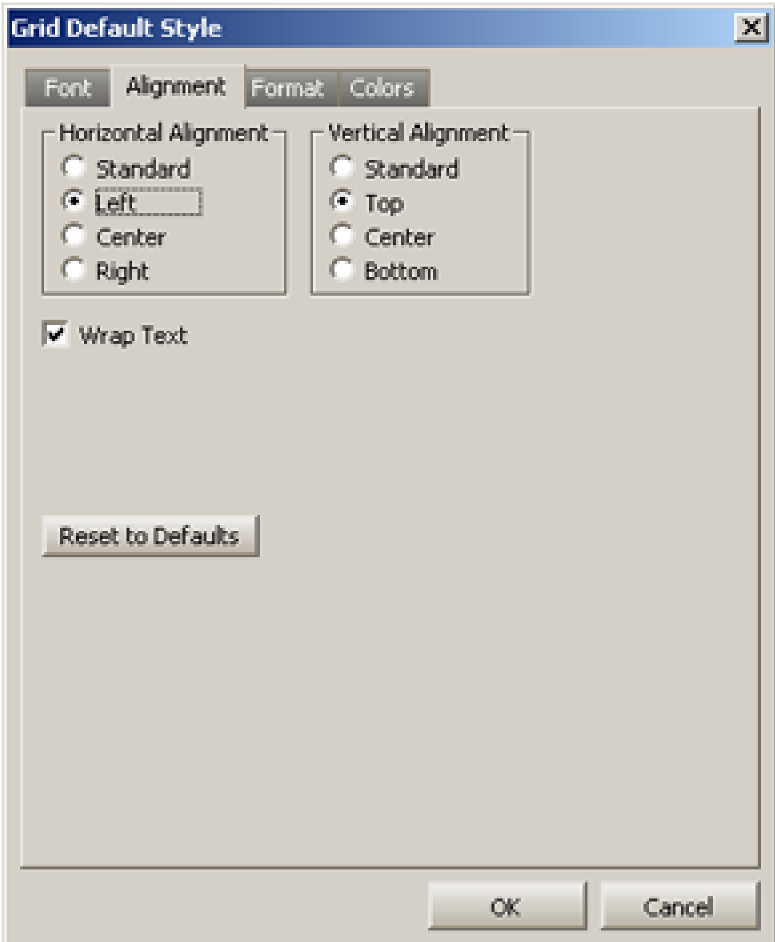


Font, format, and colors can be defined as default values

To define the default font for a grid:

1. Click Set Grid Default Style
2. The Grid Default Style window will appear and default to the Font tab
3. Choose a font, style, and size. If the ~~strikeout~~ or underline feature is desired, check the appropriate box. The preview window will display the font selections.
4. Press OK to accept the selections, or Cancel to exit the screen without saving.

For alignment related settings click on the Alignment tab:



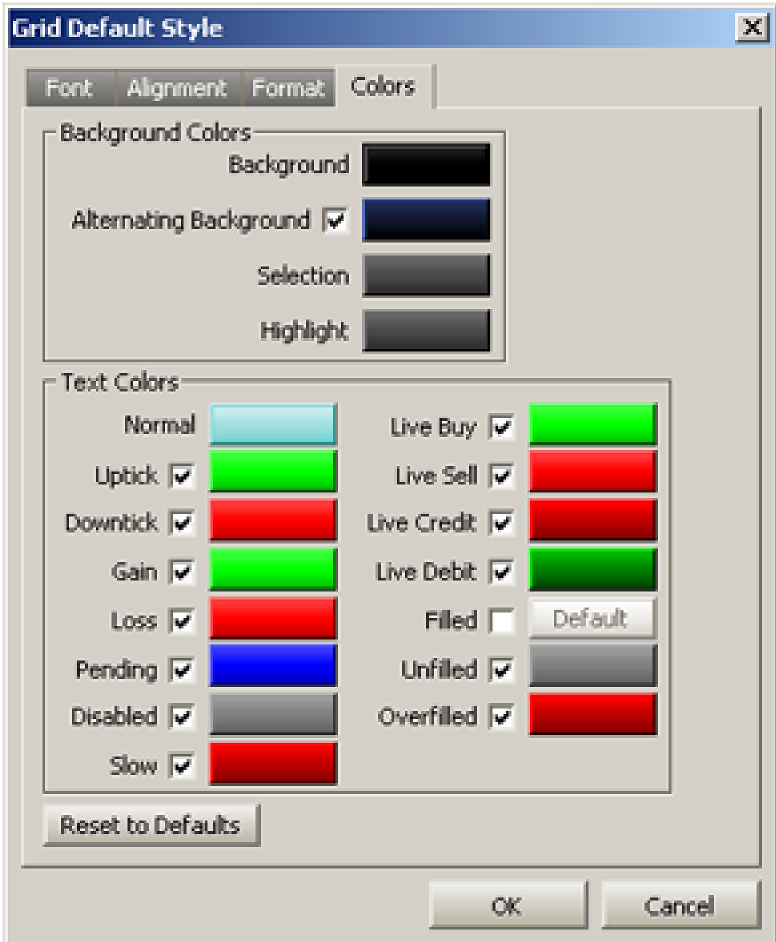
Horizontal and Vertical alignment are selected here. Both alignment settings refer to the positioning of content within a grid's cell.

Wrap Text causes text to automatically fit within a cell by causing the copy to break to the next line. If unchecked, text will not automatically break to the next line.

Decimal Places refer to the display of the amount of integers following the decimal point (example: setting the value to 5 will, if necessary, display up to five numerals after the decimal point).

Reset to Defaults sets formatting to WTP's original default values.

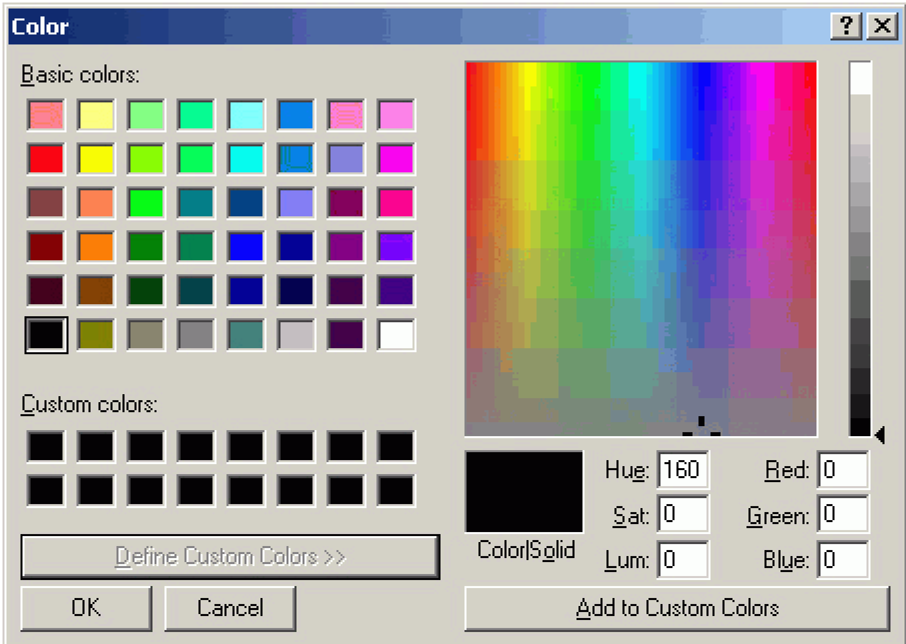
To select default Colors, click on the Colors tab:



The color selection screen above may not match exactly depending on the WTP applet, but there are universal settings applicable to all color selections.

To change colors:

Click on a color that is to be changed. The color window will open:



From this window you can:

1. Select any color just by clicking on it
2. Create a custom color either manually (by entering numeric values), or by moving the mouse in the color field into an acceptable color is found.
3. When a color is defined, click Add to Custom Colors and the new color will be in the Custom colors portion of the window.
4. Click OK to accept your changes or Cancel to exit the color window without accepting changes.

Set Column Header Style

The method for changing the Column Header style is identical to that of the Grid default style. Fonts, formatting, and colors are selected in the same manner. See **Set Grid Default Style** for directions.

Set Row Color Conditions

In this example, all securities with an ASK value less than $25.00 will be flagged in **this color.**

In addition to defining overall colors for the grid and headers, **defined conditions** (such as the asking price on a security that has decreased) can be flagged with a specific color.

To set up Row Color Conditions:

1. Select Set Row Color Conditions from the Configuration window.
2. Select a specific security (if available), or select <All>.
3. Click a field in the Expression column and select an expression from the drop-down list. Expressions include: Ask, Bid, Previous Close, and Last.
4. Select a condition (**< <= = > >= Not =**)
5. Enter a target value.
6. Press the Color button
7. Select OK to accept your values or Cancel to exit the Row Color Conditions window.

The rows in the grid will highlighted where the color condition matches the target value.

Set an Alert Priority

In addition to setting visually-based color conditions, an **audio alert priority** can be set up to play a sound when defined conditions have been met.

1. In the Row Color Conditions window select an Alert Priority from the drop-down list (Low, Medium, High).
2. Press the Notifications Config button and the Global Configuration screen will display.

3. In the Event column are listed the three alert conditions. Click once on the row containing the priority level selected in Step 1.

4. Select a sound to be played when the conditions on the grid have been met, by selecting a .wav file from the drop-down list.

   Alternatively, you may browse for a .wav file anywhere on your system by pressing the Browse button and select the appropriate .wav file.

5. The selected .wav file can be sampled. Press the play button  to hear the .wav file.

Column Data—Ascending, Descending, and Absolute Order

Every column in a grid can have its content displayed in ascending or descending order.

To change the display order of a column:

1. Double-click the mouse on the head of a column who's data display is to change. The data will be displayed ascending in value. (If the column contains only text, the column will display in alphabetical order).

2. Double-click the mouse to toggle the display (from ascending to descending and vice versa).

Absolute Order

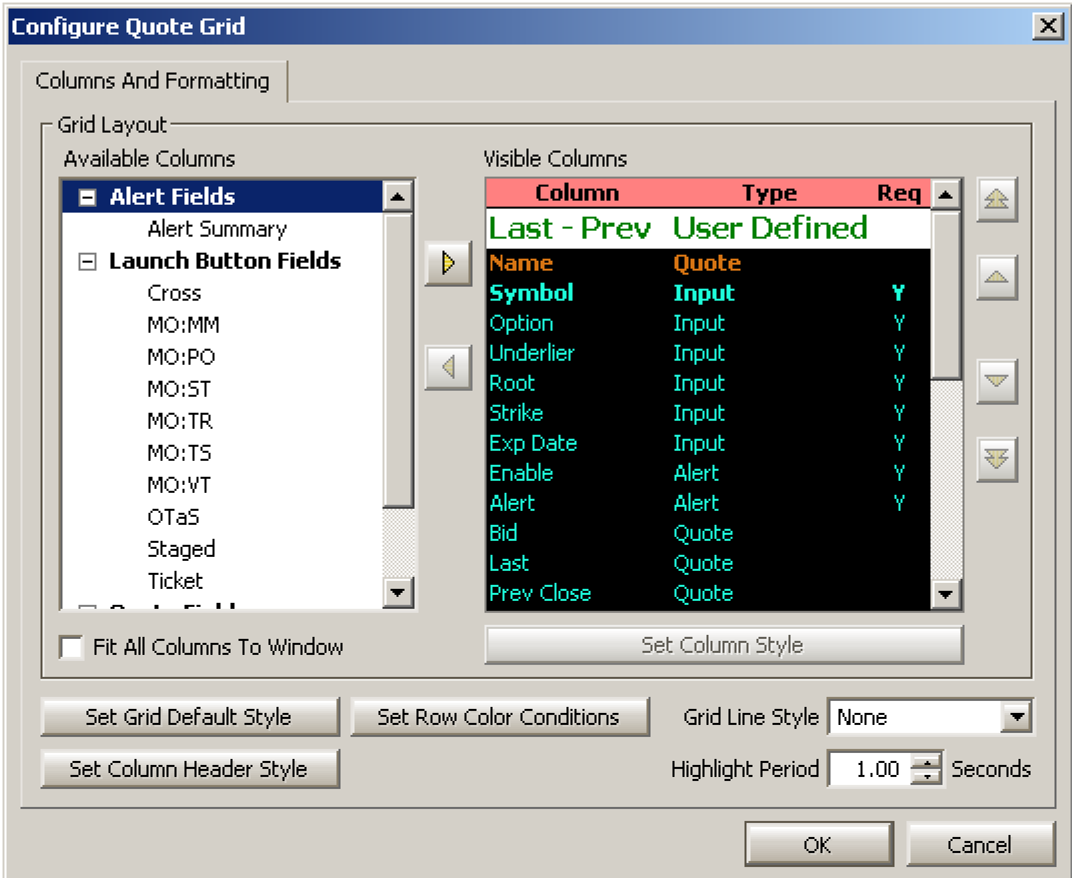
In addition to ascending or descending order, all numerical columns can be sorted in **absolute** order. An absolute sort follows this similar pattern: 0, -1 , 1, -2, 2, etc.

To sort a column in absolute order, double-click on the column head three times, OR right-click in a grid and select **Sort Absolute Ascending** or **Sort Absolute Descending**.

Add Columns to Grids

There are a three methods for adding columns to grids.

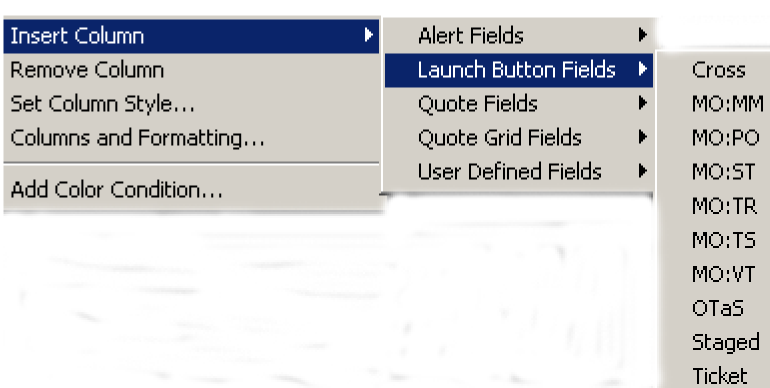
Method 1: The Configure Window



In a WTP grid app (Quote Grid, Order Grid, etc.) open the configuration window under the **Columns and Formatting** tab.

Select the **field type** (i.e., Alert Fields, Launch Button Fields, etc. Note that field types are different for different grids). Within each field type are the columns available for placement in the grid. Double-click the column to be added *or* select the column to be added and press the **right arrow** button . The column will be placed below the row selected in the **Visible Columns** portion of the window. Select **OK** to save your changes. The column will then be visible in the grid.

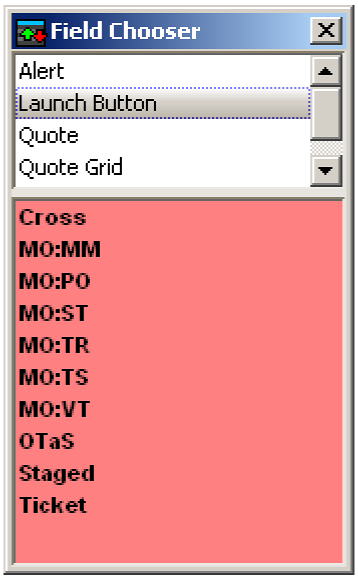
Method 2: The Right Mouse Button



Right-click on any column head in the grid. Select **Insert Column-->*The Field Type-->The Column Name*.**

The column will be placed immediately **to the left** of the column that was originally selected.

Method 3: Field Chooser



With **Field Chooser**, single or multiple columns can be inserted in all WTP grid apps in a manner that is relatively easy.

The benefit of using Field Chooser is that multiple columns can be added in a single pass, whereas only a single column at a time could be added via the **Insert Column-->Field Name-->Column name** command.

Launch Field Chooser

In a WTP Grid app, right-click on any column head and select **Field Chooser**. The Field Chooser selection window opens.

Select Columns with Field Chooser

In the top portion of the Field Chooser window (white background) select the **field type** (for example, Alert, Launch Button, etc.) Note that field types are specific to each grid.

Once a field type has been selected, the columns associated with that field type are displayed in the bottom portion of Field Chooser (the background color in Field Chooser reflects the background color of the grid).

To place a single column to the left of the selected column, double-click on a column name.

To place a single column anywhere in the grid, single-click a column name and drag the column to the desired location in the grid and release.

To select and place multiple columns anywhere in the grid in a single pass, hold down the **Ctrl** key while selecting the columns. Drag the selected columns to the desired location in the grid and release.

When a column is placed in a grid it is removed from selection in Field Chooser. When a column in a grid is removed, it is available for selection in Field Chooser.

Move Columns

To move a single column:

1. Select the column to be moved with a single mouse click on the column head.

2. Press and hold the left-mouse button and move the column left or right.

3. Release the mouse button.

To move multiple adjacent columns:

1. Click and hold the left mouse button on the first column to be moved.

2. Moved the mouse left or right to select adjacent rows to be moved.

3. With all the rows selected, click on one and hold the left mouse button.

4. Move the entire group of the columns left or right as desired and release the mouse button.

An alternate method for selecting multiple columns:

1. Select a single column.

2. Move the mouse to the left-most or right-most column in the group of columns.

3. Hold down the shift key and click the left mouse button. All columns will be highlighted.

Delete Columns

1. Right-click on the column head for the column that is to be deleted.

2. Select **Remove Column**.

Multiple columns can also be deleted by this method. See **Move Columns** (above) for directions on selecting multiple columns.

Add and Delete Rows

To add a row to a grid:

1. Click on a row where the row will be added.
2. Press Insert on the keyboard.

The row will be added above the selected row.

To delete a row in a grid:

1. Select a row that is to be deleted.
2. Press the Delete key.

The row will be deleted. A deleted row cannot be undeleted.

Issue an Order from a Grid

Most grids in WTP allow the placing of orders by bringing up the **Order Ticket**.

1. Double-click the mouse on a row containing a symbol that is to be traded.
2. The Order Ticket will appear.

Custom Quote Fields

A quote field column that can be added to grids is initially identified as <Custom>. The data in a custom column is supplied by a selected Reuters Field ID. Once a field ID has been defined for a custom column, the column's name automatically changes to match the description of the field ID. For example, a Reuters Field ID of 16 = Trade Date. The column's header will default to the standard FID Acronym (though, as with all column heads, it can be customized).

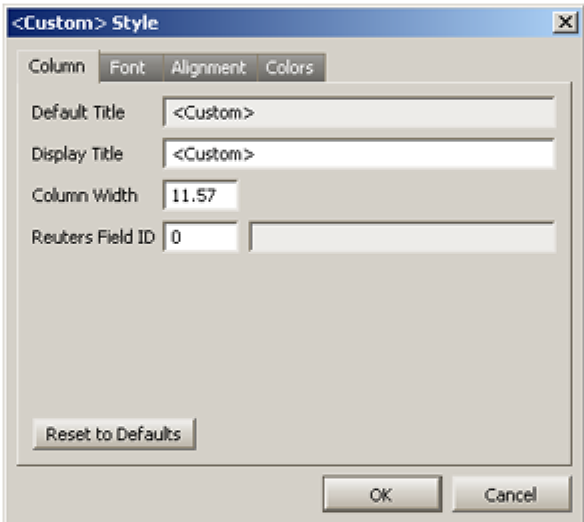
Step 1: Add a Custom Quote Field

1. Click the configuration icon or right-click on any existing column head.
2. Select Quote Fields
3. Select **<Custom>**.

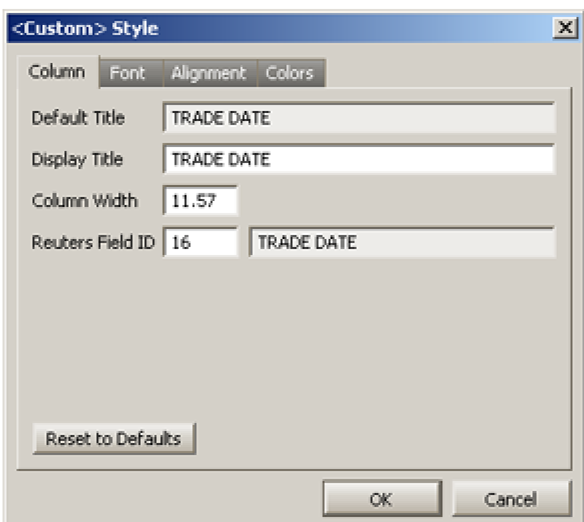
A new column **<Custom>** will be placed in the grid.

Step 2: Set the Column Style

1. Right-click on the column header **<Custom>** in the grid and select **Set Column Style**. The **<Custom> Style** window opens:



2. Enter an FID number in the **Reuters Field ID** field. If the number is an active FID, the **<Custom> Style** window will respond by populating the **Default Title, Display Title,** and **Reuters Field ID Name** fields**:**



3. Click **OK** to save the defined custom style. The custom quote field column will be placed in the grid with its title displayed.

User Defined Fields

User Defined Fields are grid columns also known as **Expression Fields** (or **Calculated Fields**). Similar to the cells in an Excel spreadsheet, functions can be created for columns that yield a text or mathematical result.

Expression Fields

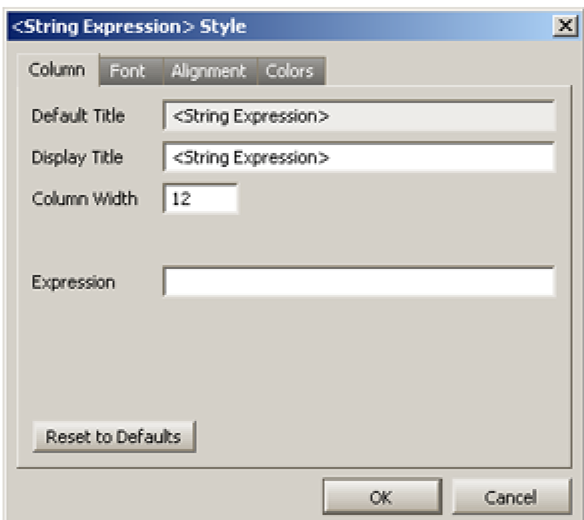
There are two types of Expression Fields:

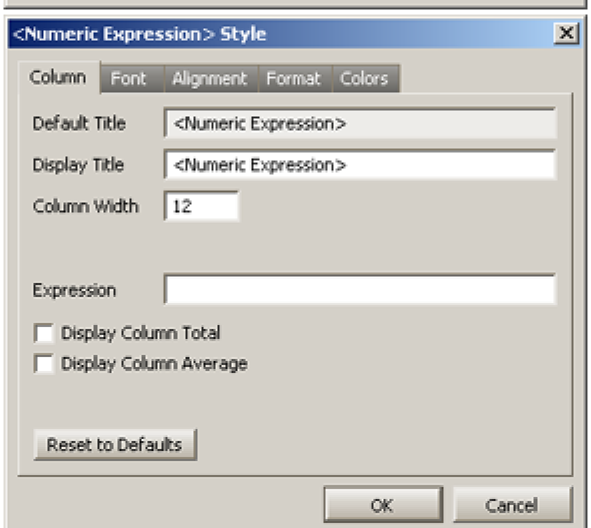
1. **Numeric** (Used for displaying Expressions that return numerical values. Addition/subtraction/multiplication/division functions can be used in numeric expressions.)

2. **String** (Returns string values)

Define Expression Fields

1. From the applet's configuration screen, select User Defined Fields.
2. Select either **<Numeric Expression>** or **<String Expression>** and press the right-arrow key to add it to the grid.
3. In the grid, right-click on the column head and select **Set Column Style**. One of the following will open, depending on the expression:





<String Expression> Style ***<Numeric Expression> Style***

4. Enter a **Display Title** in the Display Title field. The title entered here will be the column head title that is displayed in the grid. (The **Default Title** field cannot be edited.)
5. For String Expressions, optionally enter a **column width**.

   For Numeric Expressions, optionally enter a column width, and, if desired, check whether the column will **Display Column Total** and/or **Display Column Average**.
6. Enter an Expression.
7. Click **OK.**

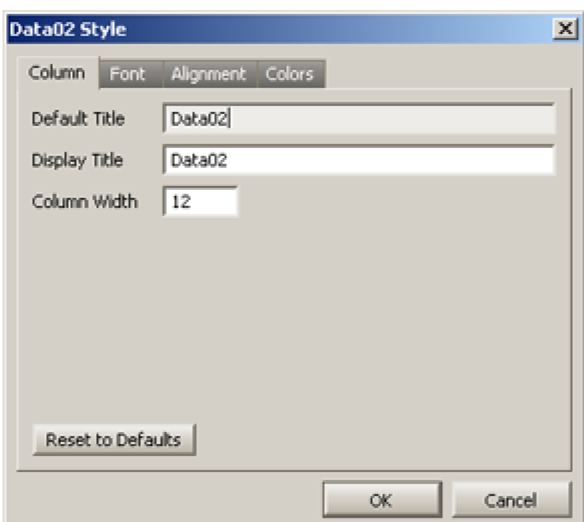
Data Fields

In addition to the Expression Fields, there are up to 16 **Data Fields** from which to choose. Data Fields are **input fields** where static information is applied to an Expression.

A Data Field can have its content entered directly in the grid, and have its content calculated in an expression (which references the Data Field's values). Data Fields have their names defaulted to **DataXX** (where XX is the Data Field number, 01 to 16). Once a specific Data Field is added to a grid, that Data Field is removed from the list of available columns.

Define a Data Field

1. From the applet's configuration screen, select User Defined Fields.
2. Select an available **DataXX** column and press the right-arrow key to add it to the grid.
3. In the grid, right-click on the column head and select **Set Column Style**. A Data Field Style window will open:

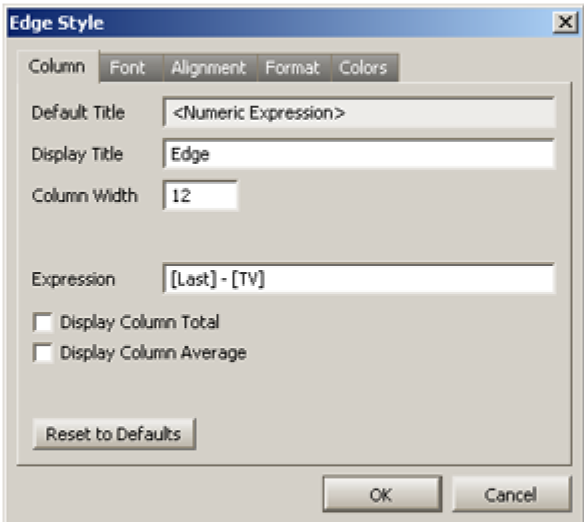


4. Enter a **Display Title**. The title entered here will be the column head title that is displayed in the grid.
5. Click **OK**.

Numeric Expression Example

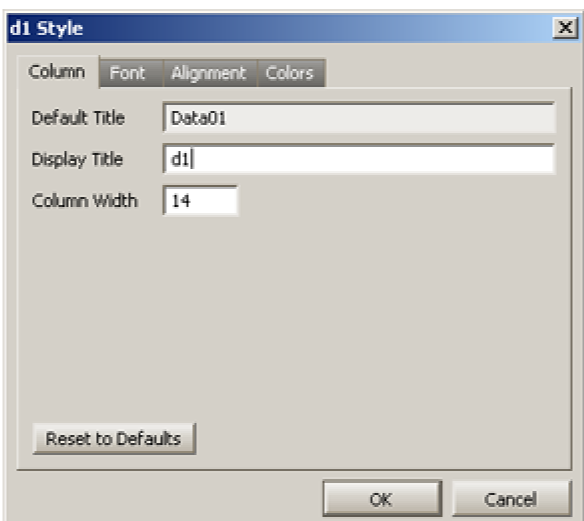
In the following Numeric Expression, the goal is to display the Edge value in the grid. The expression **[Last] - [TV]** will yield the Edge value.

The Style window contains the display title and expression:



Data Field Example

In this example, a Data Field (**Data01**) has been created with the name **d1**:

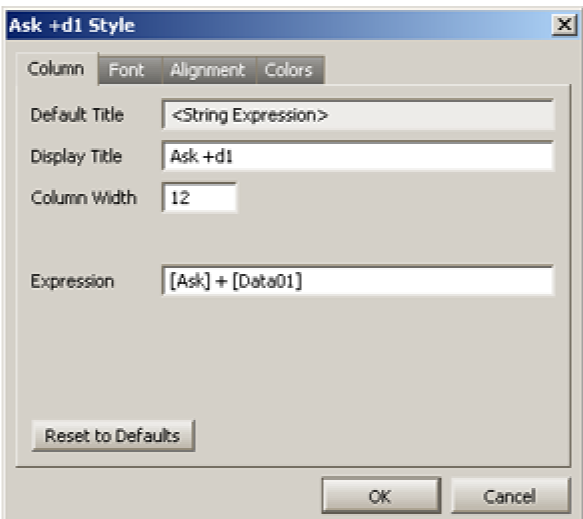


The **d1** column in the grid shows text manually added:

d1
1.005
1
1
1
.55
.23
.05
.01
.001
.0001

String Expression Example

In this example, a string expression has been built around the manually created **d1** (Data01) column (above). To this column is added the current **Ask** value for a security:



The new column, titled **Ask + d1** takes the **Ask** value and adds it to the **d1** value and displays the sum:

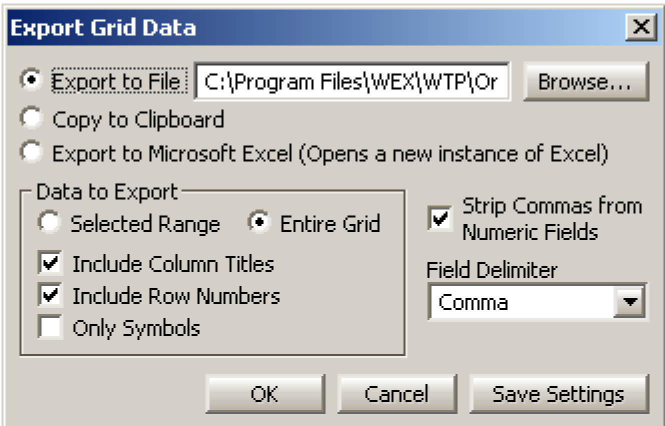
Ask	d1	Ask +d1
20.320	1.005	21.325
73.79	1	74.79
349.580	1	350.58
10.68	1	11.68
93.68	.55	94.23
33.110	.23	33.34
35.50	.05	35.55
17.360	.01	17.37
31.39	.001	31.391
14.90	.0001	14.9001

Advanced Functions

A variety of Advanced functions (math/string/logic/date + time) can be called in all WTP grids.

See available functions on the **List of Functions** page.

Export Grid Data



Data contained in WTP grid-based applets can be exported to a file, the clipboard, or to a Microsoft Excel spreadsheet.

Export Grid Data

1. Anywhere in the body of the WTP applet, click the right mouse button.

2. Select **Export Grid Data**.

3. Select a destination for the exported data

   Export to File—Enter a path and filename for the exported file

   Copy to Clipboard—Select this and the data will be available in clipboard

   Export to Microsoft Excel—Select this and Excel will open and the grid data will be loaded

4. Select the data to export:

   Selected Range vs. **Entire Grid—**Selected Range refers to an area highlighted by the mouse. Entire Grid refers to all rows and columns of the grid.

   Include Column Titles—Check this box if the grid's Column Titles should be exported.

   Include Row Numbers—Row numbers will be a part of the exported file if this option is checked.

   Only Symbols—Stock symbols exclusively will be exported with this option.

5. An option to **Strip Commas from Numeric Fields** and a **Field Delimiter** selection becomes available if **Export to File** or **Copy to Clipboard** has been selected.

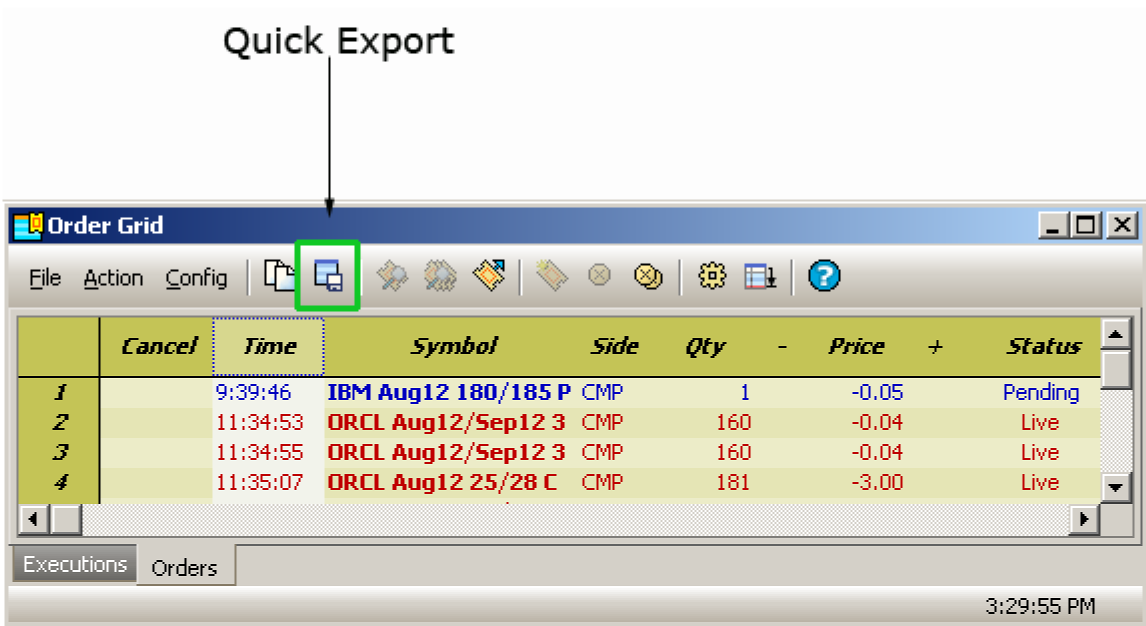
   To remove the commas from fields with numbers, check this box.

Select either **Comma, Space,** or **Tab** to identify the delimiter that will be used between fields.

6. Click OK.

Note: When selecting **OK**, an exported file will be created. To save Export Grid Data settings without actually creating an exported file, select **Save Settings**.

Quick Export



Quick Export exports grid data (either selected range or entire grid) to a file, clipboard, or MS-Excel spreadsheet, based on the settings defined in the **Export Grid Data** window.

Select Quick Export

A quick export can be issued by selecting the Quick Export icon in a grid app's toolbar.

Alternate methods for selecting Quick Export:

- From the **Action** menu
- Right-clicking in the grid
- **Ctrl + Shift + E** keyboard shortcut

Warning Conditions Issued By Quick Export

The Quick Export function will issue a warning if either of these conditions exist:

- The Export Grid Data settings have not been configured and saved
- The exported grid data will overwrite an existing exported file

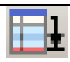
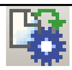
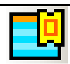
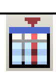
Tip: It is recommended to save the WTP app containing the Export Grid Data settings as a template (either as the default template or a customized template) in order to retain the export settings when the app is re-launched. If the app is not saved as a template, the Export Grid Data settings will not be saved.

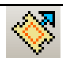
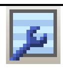
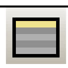
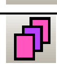
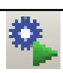
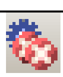
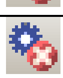
Icons in WTP

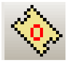
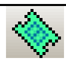
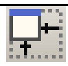
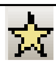
The following are a list of icons that appear throughout the WTP applet suite. Click on the icon's name to see it described in context with a specific applet.

The links to the icon's descriptions are by no means exhaustive as many icons are repeated throughout WTP (the **Configure** icon, for example, appears in almost every applet).

ICON	Name	Found In
	Adjust position	Position Grid
	Advanced mode	All
	Alert Column	All Grids/Managed Order Console
	Auto close on buy and sell	Order Ticket/Crossing Ticket/Stage Ticket
	Basket Detail	Basket Trader
	Build Option	Option Quote Cube
	Cancel All Orders	Order Tickets/Grids
	Cancel Selected Order	All Grids
	Configure (opens configuration window for a WTP app)	All Apps/WTP Toolbar
	Connection	WTP Toolbar
	Copy (standard Windows feature used in conjunction with Cut and Paste)	All
	Credit	Spread Tickets (displays with Debit icon)
	Debit	Spread Tickets (displays with Credit icon)
	Delete Selected Managed Orders	Managed Order Console, managed orders
	Equity Mode (toggle to Option mode)	Option Quote Cube

	Equity Mode (toggle to Option mode)	Option Time and Sales
	Filter Options	Options Time and Sales/Equity Time and Sales/Equity Imbalance Viewer/Option Sector Viewer/Spread Book/Spread Builder/Flex Ticket
	Filter Spread Book on Built Spread	Spread Builder/Spread Book
	Force Live Orders to the Bottom	Order Grid
	Import Managed Order	Managed Order Console
	Launch Chat Manager	Instant Messenger
	Launch Order Grid	Position Grid/Wave Grid/Managed Order Console
	Launch Wave Position Grid	Wave Grid/Managed Order Console
	Link to WTP Help Pages	All
	Lock Icon/Read Only Mode/Pin Dialog Open	Lock Icon = All tickets Read Only Mode = All Basket Trader apps/Managed Order Console Pin Dialog Open = Option Quote Cube when selecting the Filters Icon
	New Basket	All Basket Trader apps
	New Favorites Folder	Instant Messenger
	New Managed Order	Managed Order Console
	New Order (opens Order Ticket)	Order Grid
	Open Basket	All Basket Trader apps
	Open Story	News Browser
	Open Symbol List	News Browser
	Option Mode (toggle to Option Time and Sales)	Equity Time and Sales
	Options Column Display	Order Grid/Quote Grid/Basket Trader/Crossing Basket/Stage Basket

	Paste (standard Windows feature used in conjunction with Copy and Cut)	All Basket Trader apps/Quote Grid
	Print	Managed Order Console/Instant Messenger/News Browser/WTP Browser
	Report Trade Ticket	Order Grid
	Save Basket	All Basket Trader apps
	Save Symbol List	Quote Grid
	Select Grid Mode	Equity Quote Cube
	Select View	Basket Trader
	Show Basket Detail	All Basket Trader apps
	Show Exchange Order Quotes	Order Ticket/Spread Ticket/Crossing Ticket
	Show/Hide Volatility Chart Viewer	Option Quote Cube/Equity Time and Sales/Spread Trader/Vol Trader
	Show/Hide Ticker	Option Quote Cube/Equity Quote Cube
	Show Montage Grid	Spread Ticket/Spread Builder/Flex Ticket
	Show Order Detail	Order Grid/Allocator
	Show Order Summary	Order Grid/Allocator
	Show Security Detail	Equity Quote Cube/Option Quote Cube/Flex Ticket
	Show Spread Book	Spread Ticket/Spread Builder
	Start Selected Managed Orders	Managed Order Console
	Stop All Managed Orders	Managed Order Console
	Stop Selected Managed Orders	Managed Order Console
	Switch to Crossing Ticket	Order Ticket/Spread Ticket/Staged Ticket/Flex Ticket/Spread Builder
	Switch to Equity Mode	Options Mode in: Order Ticket /Crossing Order Ticket /Staged Order Ticket

	Switch to Options Mode	Equity Mode in: Order Ticket /Crossing Order Ticket /Staged Order Ticket
	Switch to Outright Ticket	Crossing Order Ticket/Staged Ticket
	Switch to Staged Ticket/New Staged Order	Order Ticket/Spread Ticket/Crossing Ticket/Order Grid/Spread Builder
	Snap to Size (toggle)	WTP Browser
	Toggle Symbol Tracking	All WTP apps except News Browser/Instant Messenger
	WTP Update Available	WTP Toolbar
	Workspace Management	WTP Toolbar

Keyboard Shortcuts

Applet	Command	Keyboard Shortcut
ALL APPLETS	Launch Help File	F1
	Define WTP Icon	Hover over icon and press F1
	Close Applet	Ctrl + q
	Launch Order Ticket (except Managed Order Console)	Ctrl + n
ALL GRIDS	New order (launches Order Ticket)	Ctrl + n
	Copy	Ctrl + c
	Copy selected cell	Ctrl + Shift + c
	Quick Export	Ctrl + Shift + e
	Select all	Ctrl + a
	Extend selection range Up/Down	Shift + up/down
	Select range	Shift + mouse click
	Multi-select (select/deselect) rows	Ctrl + mouse click
	Zoom in/out	Ctrl + mouse scroll up/down
	Scroll view without moving current cell	Ctrl + up/down/left/right arrow
	Move to next UI control	Tab key
	Select column	Ctrl + select column
EDITABLE GRIDS (Basket Traders, Spread Builder/Ticket Grid, Spread Viewer)	Paste	Ctrl + v
	Add row	Insert
	Delete row	Delete
Managed Order Console	Launch Hedge Agent	Ctrl + Shift + h
	Launch Spread Agent	Ctrl +Shift + s
	Launch Spread Trader	Ctrl + Shift + d
	Launch Time Slicer	Ctrl + Shift +t

	Launch Vol Trader	**Ctrl + Shift + o**
	Choose type and firm	**Ctrl + n**
	Import Managed Order	**Ctrl + i**
	Open Selected Managed Order	**Enter**
	Delete Selected Managed Order	**Delete**
Equity Quote Cube	Launch Crossing Ticket	**Ctrl + Shift + x**
Instant Messenger	Search feature	**Ctrl + f**
News Browser	Open news story	**Enter**
Option Quote Cube	Make quick trade	**Ctrl + b**
	View multiple months	**Ctrl + click on each individual month's tab**
	Launch crossing ticket	**Ctrl + Shift + x**
Order Grid	Cancel selected orders	**Ctrl + x**
	Open Order Detail dialog for selected order	**Enter**
Position Grid	Open Order Grid for selected position	**Enter**
Wave Grid	Open Order Grid for selected position	**Enter**
WTP Browser	Open a web page	**Ctrl + o**
Function: Price/Qty Spinners	Spin by 5x the default setting	**Shift + up/down arrow**

Option Exchange Codes

Code	Exchange
A	NYSE AMEX
B	BOX
C	CBOE C2
H	GEMINI
M	MIAX
P	NYSE ARCA
Q	NASDAQ
T	NASDAQ OMX BX
W	CBOE
X	NASDAQ OMX PHLX
Y	ISE
Z	BATS

Printing

The following WTP applets can have their screen image sent to a printer:

- Order Grid
- Position Grid
- Wave Grid
- Managed Order Console
- Allocator
- Quote Grid
- Equity Time and Sales
- Option Time and Sales
- Option Sector Viewer
- News Browser
- Instant Messenger
- Quote Explorer

Print, Print Preview, Print Setup

The print functions operate in the same manner as other Windows-based applications.

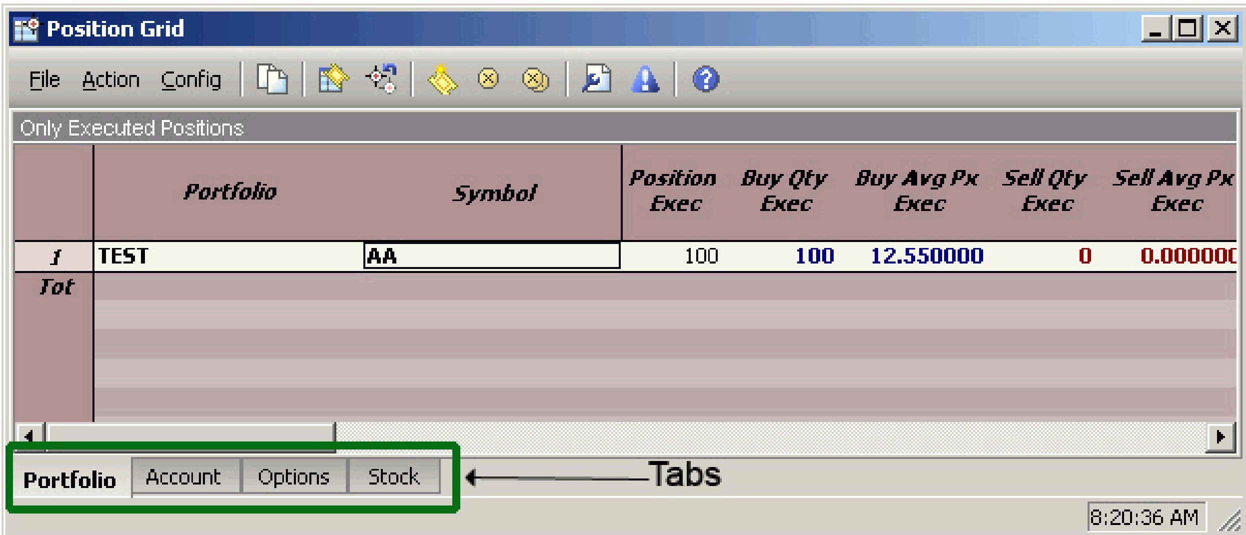
Print—A print window opens and all print-related options display

Print Preview—A screen displays what the printed output will look like. Additional options are available (Zoom, one page/two page display)

Print Setup—Brings up the same print window as Print without actually issuing the print command

Tabs in Grids

Each tab in a grid can be renamed, removed, or repositioned. Additionally, a tab's identifying label (font/style/size) can be changed. New tabs can also be created.



Create a New Tab

1. Right-click on a tab to be created.
2. Select Create New Tab.
3. Enter a new tab name in the window and click OK.

Close Tab

1. Right-click on a tab to close.
2. Select Close Tab.

Close All But This

1. Right-click on a tab to remain open while all others will close.
2. Select Close All But This.

Open In a New Window

1. Right-click on a tab that will be opened in its own window.

2. Select Open In a New Window.

A new window will open and the tab will be deleted from its original grouping.

Rename Tab

1. Right-click on a tab to be renamed.

2. Select Rename Tab.

3. Enter a new tab name in the window and click OK.

Change Font/Style/Size of Tabs

1. Right-click anywhere in the tab area.

2. Select Configuration.

3. Select the variables for the new style in the Tab Style window and click OK.

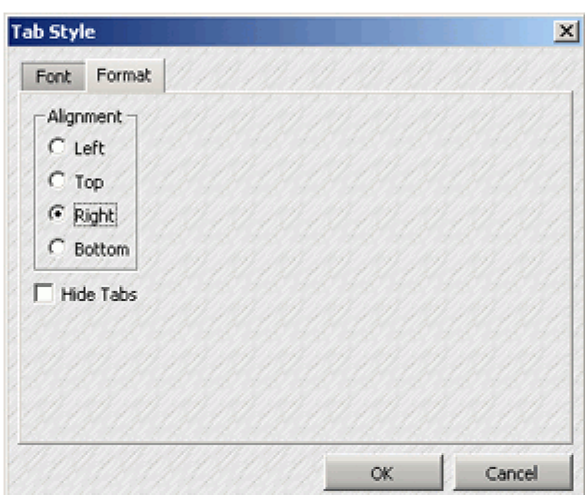
Position Tabs

The tabs can be placed in the top/bottom/left/right areas of the Position Grid. The default position is the bottom of the grid.

To Change the Tab Position:

1. Right-click near the row of tabs and select Configuration. A configuration window appears.

2. Select the Format tab.

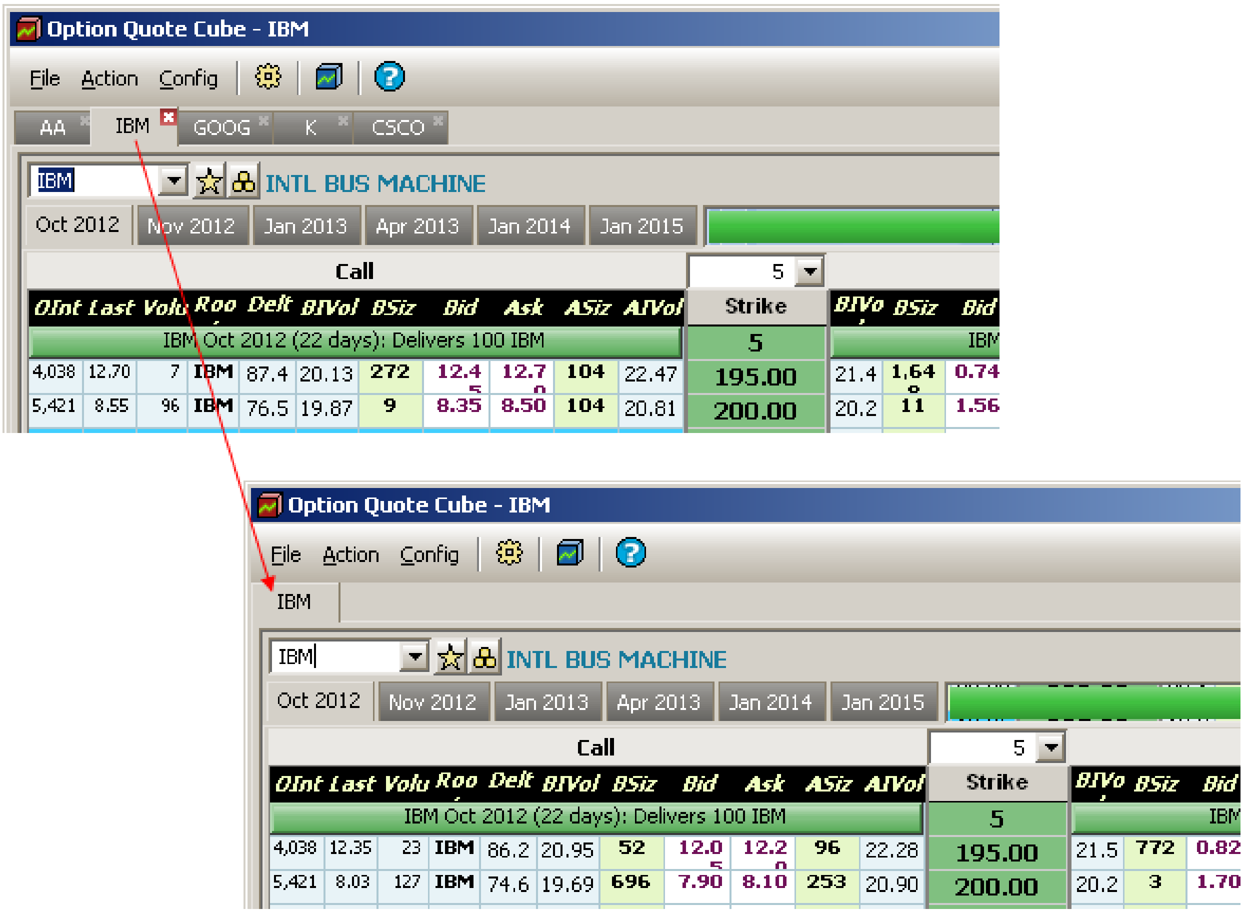


3. Choose the desired alignment of the tabs, or select Hide Tabs.

   Note: Hiding tabs will cause all grids and templates associated with the inactive tabs to be permanently removed from the window.

4. Click OK.

Drag Tab to Create a New Window at the Drop Point

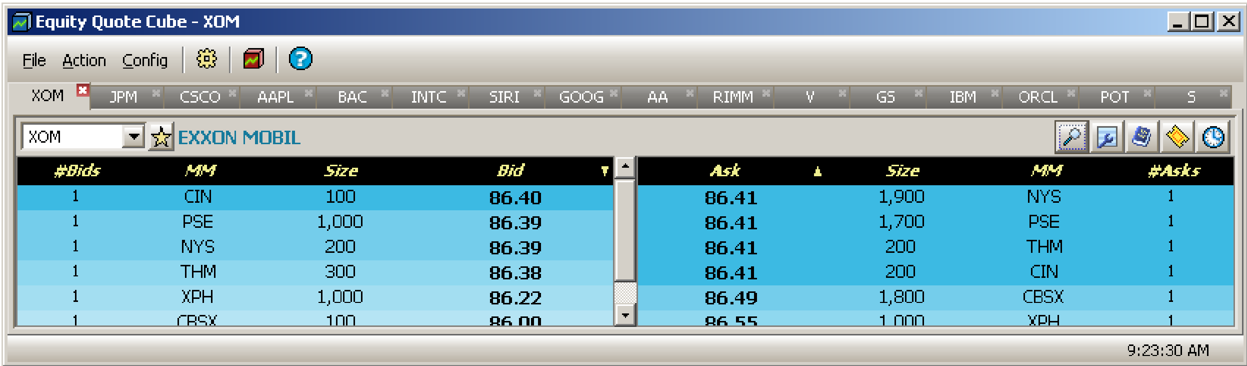


Select a tab and drag it to a preferred desktop location. A new window will display at the drop point.

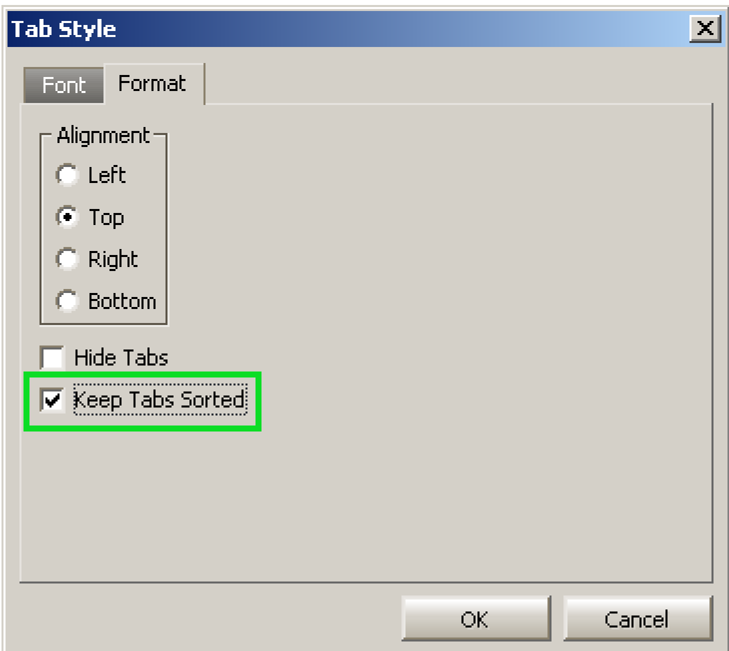
Tabs in the **Equity Quote Cube** and **Option Quote Cube** can be dragged from their location onto another area of the desktop, creating a new window at the drop point.

When a tab is dragged to a new location, it will be removed from the remaining tabs of the source applet.

Alphabetize Tabs in Equity and Option Quote Cubes



Tabs listed in random order



New option "Keep Tabs Sorted" sorts tabs alphabetically

Tabs sorted alphabetically

A feature in **Equity Quote Cube** and **Option Quote Cube** allows for the display of tabs in alphabetical order.

To place tabs in alphabetical order:

1. Right-click on any tab and select **Configuration**.

   Alternate Method:

   From the **Config** menu select **Configure Tabs**.

2. In the Configure Tabs window, select the **Format** tab.

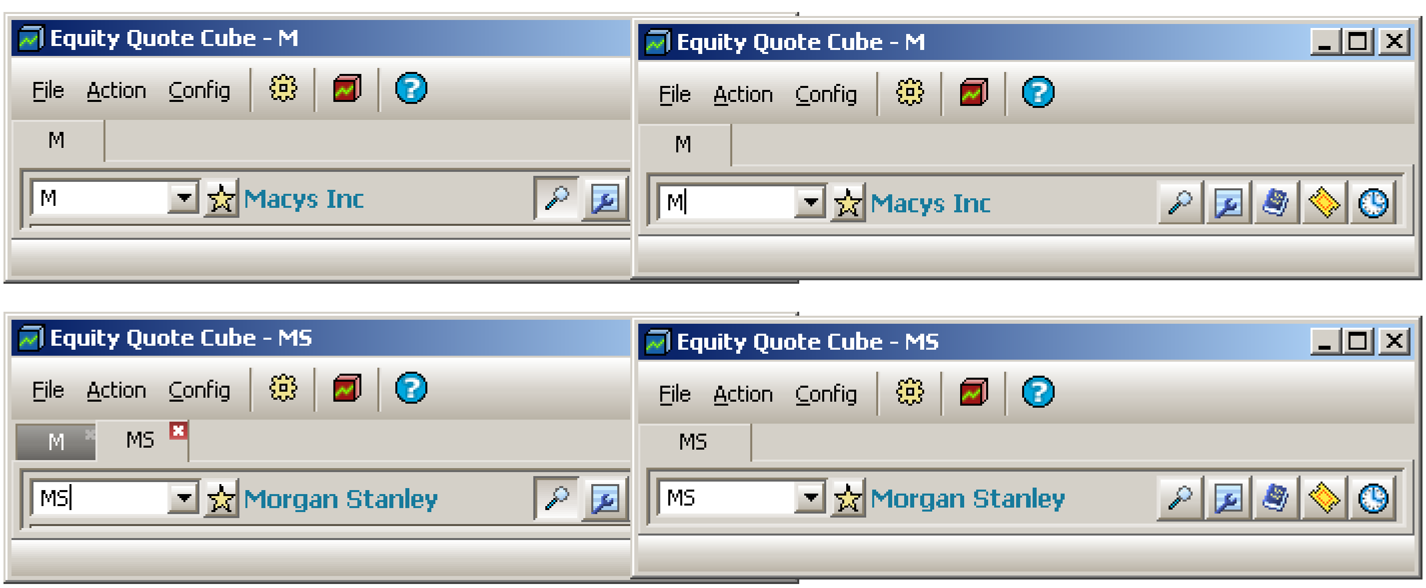
3. Check **Keep Tabs Sorted**.

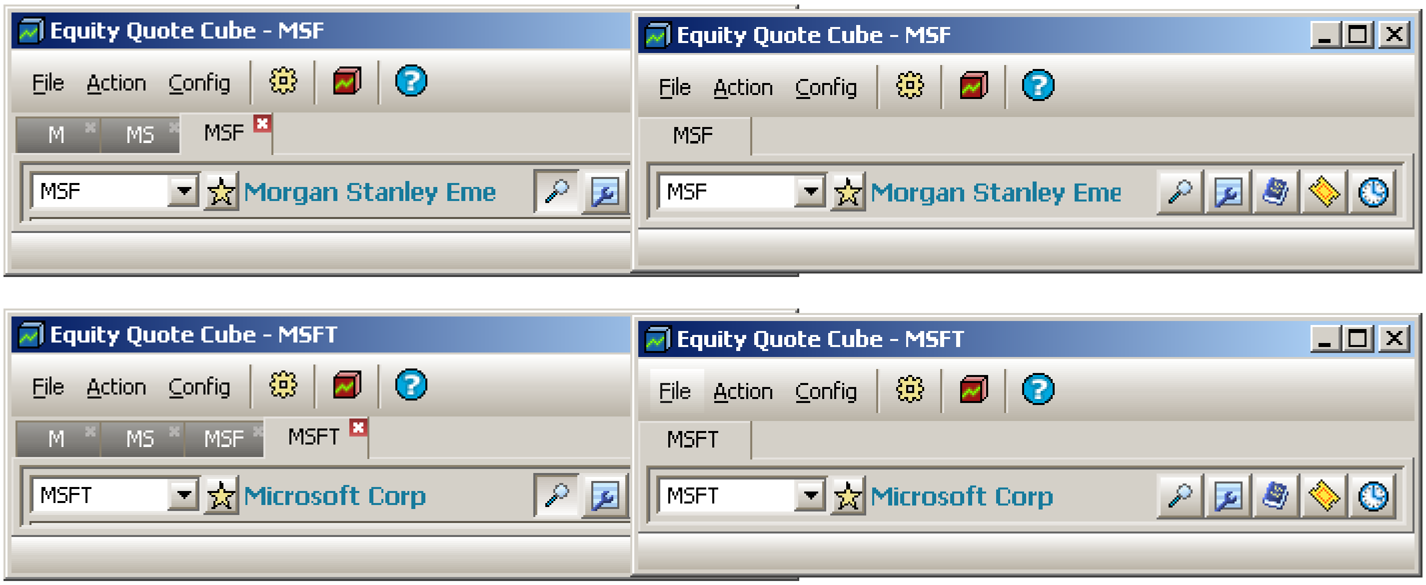
Every new tab that is added will be placed in the correct alphabetical order.

Note: Tabs cannot be manually repositioned as long as Keep Tabs Sorted is in effect. To manually reposition tabs, uncheck Keep Tabs Sorted.

Automatic Tab Adding

Automatic Tab Adding Enabled **Automatic Tab Adding Disabled**





Automatic Tab Adding is a optional feature found in the **Equity Quote Cube** and **Option Quote Cube**.

Automatic Tab adding will create a tab without any additional user interaction. Disabling Automatic Tab Adding will require pressing the **Enter** key after a symbol is entered to add a tab.

With Automatic Tab Adding enabled (column 1 above):

- When a symbol is entered in the symbol field, a new tab is created soon after the final character is entered.

  For example, if the symbol **MSFT** is entered slowly, the Quote Cubes would respond by creating **four new tabs** as follows:

  M opens a new tab with the symbol **M**.

  S opens a new tab with the symbol **MS**.

  F opens a new tab with the symbol **MSF**.

  T opens a new tab with the symbol **MSFT**.

With Automatic Tab Adding disabled (column 2 above):

- The Quote Cubes will display the symbol name as each letter is entered.

  A single tab will be created and updated as additional letters are entered but additional tabs will **not** be created.

  To create additional tabs, press **Enter** after each symbol is entered.

In the System Default Template for the Equity/Option Quote Cubes, Automatic Tab Adding is disabled. If it's preferred to always allow Automatic Tab Adding, either Quote Cube can be saved as a **template**.

Hide Tabs

If neither of the Automatic Tab Adding options is desired, tabs can be **hidden**.

Templates

The grid data in many WTP applets can be saved as a template and retrieved at a later time. Generally, saved templates are used for those applets in which a number of unique configurations have been defined and wished to be saved for future retrieval. A **default template** can also be defined.

The suffix for a saved template is dependent upon the applet. For example, a saved template has a **.aot** suffix for the **Allocator** while **Quote Grid's** template has a **.qgt** extension.

To access the template commands:

- Right-click on the applet's grid and select **File Commands**
- Click on the applet name in the WTP toolbar and select **File**

Open Template—Opens a dialog box in which a previously saved template can be selected. (**Note:** It may be necessary to maneuver through a directory's hierarchy in order to find the template.)

Save Template As—Opens a dialog box in which a template is given a name and is placed in a chosen directory.

Save as Default Template—The template is saved as a default. A default template is not named.

Revert to System Default Template—The default template (above) is overwritten by the system default template. If selected a query window will display:

> **"Reverting to the system default template for (*applet name*) will replace your existing default template with the system default template for the current window. Continue?"**

Select **Yes** to write over the existing default template with the system default template, **No** to prevent the system default template from overriding the default template, **Cancel** to exit without overriding the default template.

Toggle Symbol Tracking

Many applets in WTP have a feature called **Toggle Symbol Tracking**. The idea behind Toggle Symbol Tracking is that a symbol can be "tracked" while working on other WTP applets without having to manually select the same symbol each time an applet

If enabled, Toggle Symbol Tracking automatically populates the symbol field with the symbol from another applet.

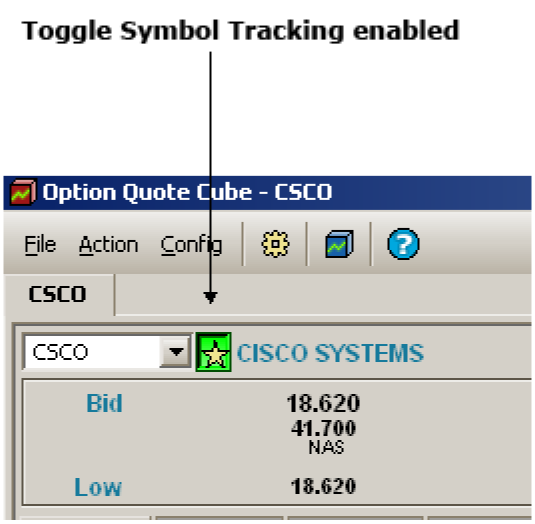
Enable/disable Toggle Symbol Tracking

Press the Toggle Symbol Tracking icon in whatever WTP applet is being worked on. The symbol in that applet will change to match the symbol selected in other WTP applets.

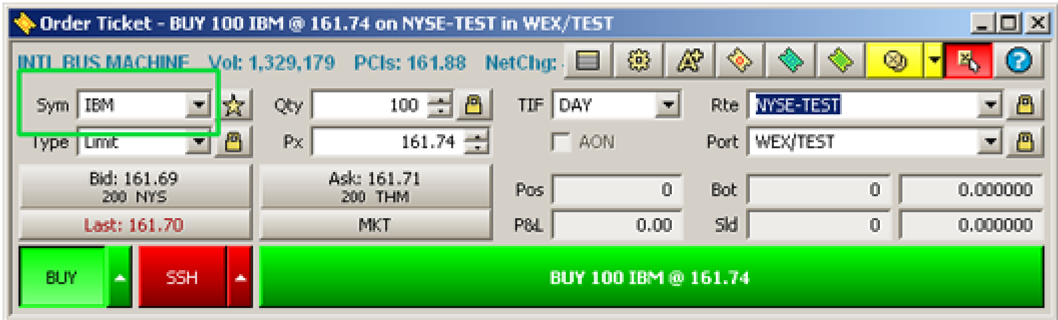
To disable Toggle Symbol Tracking, press the icon again.

For example:

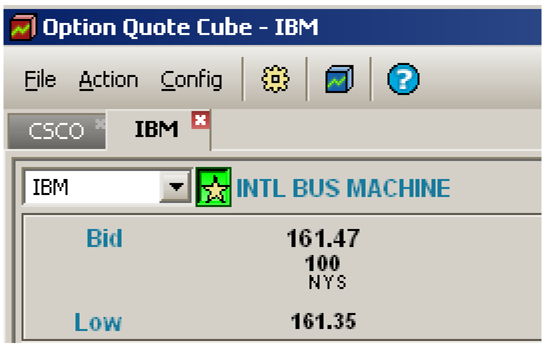
1. In the Option Quote Cube, a default symbol (CSCO) is displayed. Toggle Symbol Tracking is then enabled.



2. The Order Ticket is opened. The stock symbol IBM is selected in the Order Ticket.

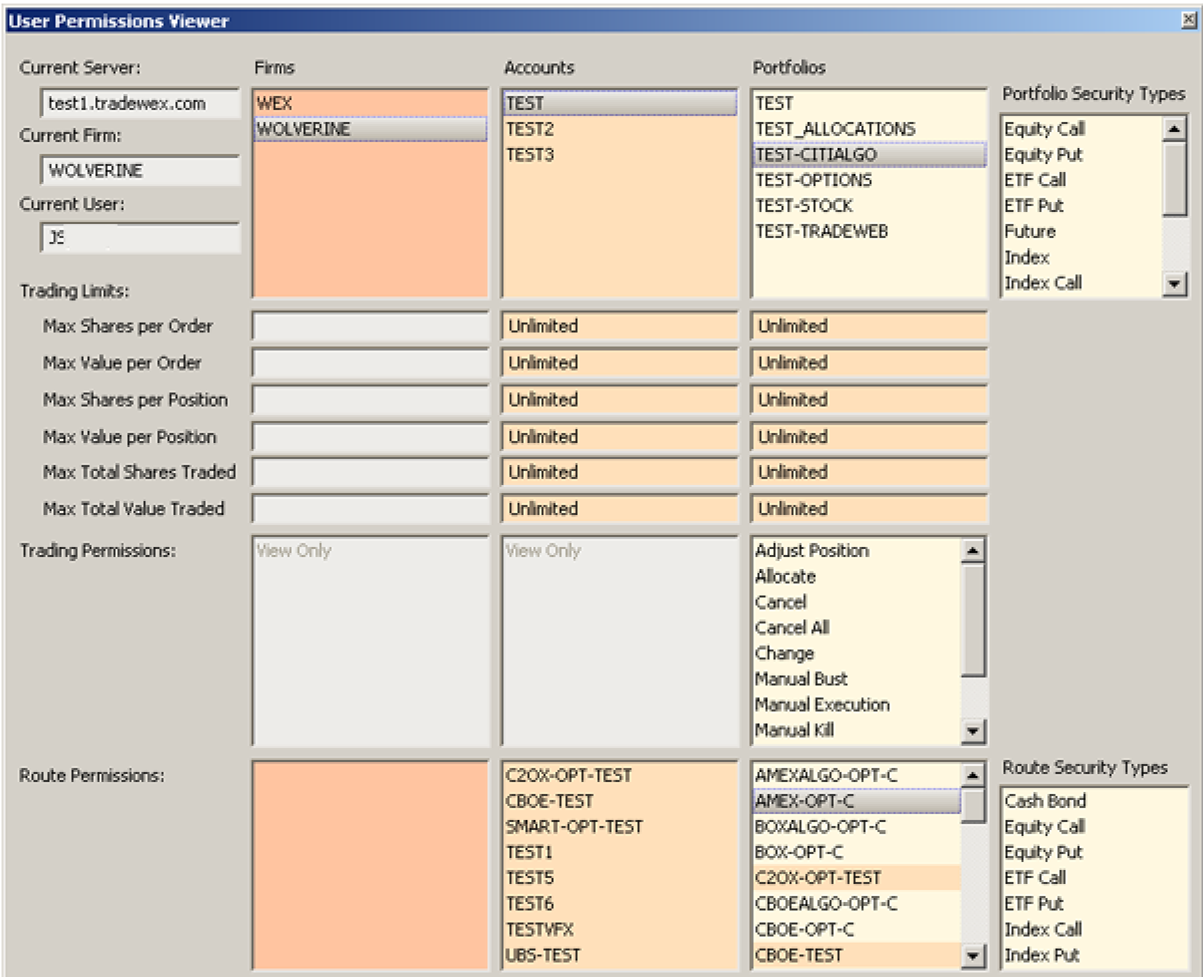


3. The symbol window in Option Quote Cube reflects the Order Ticket's symbol (IBM).



If an applet is in tabbed mode, the toggle symbol tracking will create a new tab (as above), and will not delete previously created tabs. If an applet is not in tabbed mode, the tracked symbol will replace the applet's current symbol.

User Permissions Viewer



The **User Permission Viewer** is a read-only window that displays useful information about the logged-in user's permissions with regard to firms, accounts, portfolios, along with trading and route permissions.

In those cases where a user's permission is granted to more than one firm, account, and/or portfolio, selecting an item in the viewer reveals other related permissions. For example, if a user has permissions over a few accounts in a firm, selecting each account will, in turn, reveal the portfolio or portfolio security types.

The **User Permissions Viewer** is launched from the **Session** column of the WTP toolbar. Select **View User Permissions**.

WTP Applet Definitions

Applet Name	Function
Allocator	Redistribute positions across various accounts
Basket Trader	Send batches of equity, option, and/or future products together in a single "basket" order
Crossing Ticket	Send matching customer and broker orders together straight to the exchange
Equity Imbalance Viewer	View the securities that are imbalanced at the market open or market close for the current trading day
Equity Quote Cube	View Level 1 and Level 2 data and time-of-sales data for equities, futures, and send equity orders
Equity Time and Sales	View tick-by-tick details for securities over a defined time period
Instant Messenger	Communicate with other WTP users privately or in a group
Managed Order Console	Create, manage, and view Managed Orders (specialized trading applets)
News Browser	View real-time and historical news headlines from various news providers sources
Option Quote Cube	View detailed option data for every strike and every expiration of a given option product, and send option orders
Option Time and Sales	View tick-by-tick details for all options products for a given security over a defined time period
Option Sector Viewer	View sector-specific data on options, including open interest and sentiment
Order Grid	Manage live orders and view details on all open, executed and canceled orders
Order Ticket	Send equity and option orders, send Staged orders, report trades, adjust positions
Position Grid	View accumulated positions by portfolio, account, or firm
Quote Grid	View real-time streaming quotes for equities, options, and futures
Spread Agent	Trade single and reverse spreads simultaneously.
Spread Book	View open Spread Orders from various exchanges (read only).
Spread Builder	Create, send, and view multi-leg Spread Orders
Spread Trader	Trade two products with the anticipation that an increase in one product will effect an increase in the other (or a decrease in one effect a decrease in the other)
Spread Viewer	Create and view multi-leg Spread Orders
Symbol Browser	Search for securities by name or symbol
Tick Chart Viewer	View charting data for stocks

Time Slicer	Evenly distribute trades for a product over a defined time period
Volatility Chart Viewer	Display security volatility with a number of display options
Vol Trader	Trade an option product with its underlying product based on market volatility
Wave Grid	View and manage waves (grouped orders such as Managed Orders and Baskets)
WTP Browser	View market data, stock charts, news, and other pages on the web

Advanced Concepts

Connections

Connections can be created between two or more WTP applets. When a connection is made, the applet being connected to responds by displaying the same symbol as its *parent* (i.e., the connecting applet). As the parent's symbol changes, so does its *child* (the applet the parent is connected to), if defined as such. Child applets cannot change their symbol while the connection is active. At any time, each child applet can be disconnected from its parent, or the parent applet can disconnect all its child applets.

In addition to symbols, other information can be transferred from a parent applet to its child (such as the Option Quote Cube sending price and side types to the Order Ticket).

A **Connections Manager** is used to define the circumstances under which a child applet responds to a function of its parent and other child applets.

A connection is also a *physical* link, so when the parent applet is moved around the screen its children move along with it.

Connections between applets can be saved in a template. When a saved template is launched the parent/child relationship is maintained.

In the image below, **Option Quote Cube** is the parent applet and a connection has been established between three child applets:

Make A Connection

A connection is made from the parent applet to a child applet via the **Send to-->** command (found in the **Action** menu of WTP applets).

1. Select a parent applet.
2. From the **Action** column in the parent applet go to **Send to-->** and select a WTP applet

Repeat as necessary.

Once a destination applet has been selected, a parent/child relationship will exist.

Note: Connections are **not** applicable for the following applets: **Instant Messenger, Managed Order Console, Wave Grid**.

The Connections Manager

The parent/child connections are seen in the image above. The circumstances under which the child applet responds to actions in the parent applet are defined in the **Connections Manager**.

Launch the Connections Manager

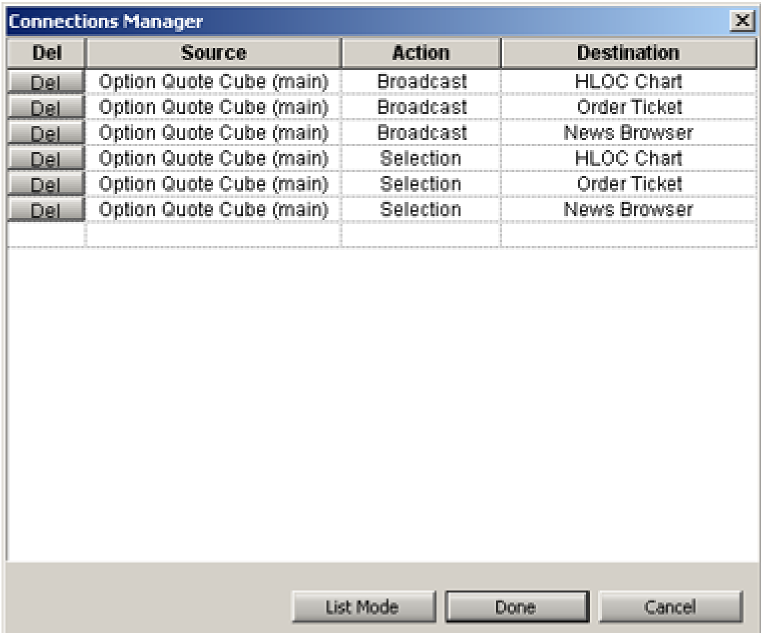
From the parent or child, right-click on the applet and select **Connections Manager**.

Note: In addition to relationships between parent and child applets, relationships can also be established between one child applet and another and are also defined in the Connections Manager.

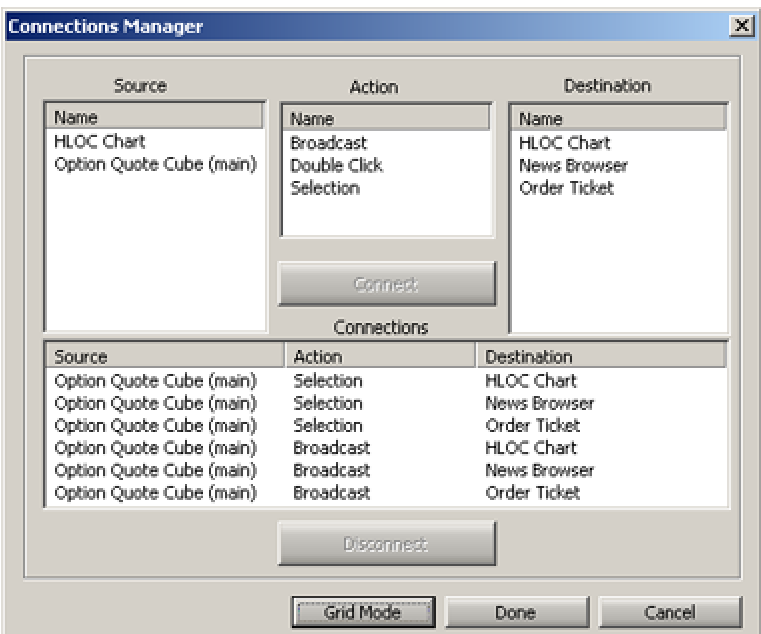
List Mode and Grid Mode

The Connections Manager can be displayed in **Grid Mode** or **List Mode**. They perform identical functions, only the display differs.

This is the Connections Manager in both modes for the Option Quote Cube parent and 3 child applets:



Grid Mode



List Mode

The Connections Manager Window

In both modes, the Connections Manager Window is divided into four areas:

Grid Mode:

DEL key. Select this key to delete a specific Parent/Child action. **Note:** If a row is accidentally deleted, exit the Connections Manager by selecting **Cancel**, then re-launch the Connections Manager. The row will have been un-deleted.

Source—Any applets that currently act as a source for the destination applet. By default, each destination applet will have all possible relationships with the parent applet. The parent is denoted by **(main)** next to its name.

Action—The **action** refers to the action in the parent that will cause the destination applet to respond. There are three actions available:

- **Double Click**—A child applet will change its symbol to match its parent when there is a double-click on a field in the parent applet.
- **Selection**—A child applet will change its symbol to match its parent when an item is selected in the parent applet.
- **Broadcast**—A child applet will change its symbol to match its parent when the parent applet selects a different symbol.

Destination—Select a child applet in the Destination column. In the example above, two different actions (Broadcast and Selection) have been made for the three destination applets.

While in Grid mode, the Source/Action/Destination columns can be edited. Click on any field (including a blank field) and select a source/action/destination from each column's drop-down list.

Select **Done** to save any edits. To view connections in List Mode select the **List Mode** button.

List Mode:

The functions in List Mode are identical to those in Grid Mode, only the interface is a bit different.

To add an action and destination from a source, select the Source/Action/Destination. If this connection is allowable, the **Connect** button will be available. Press it to create a new connection.

Delete a Parent/Child Connection: In the "Connections" portion of the Connections Manager, select a row to be deleted and press **Disconnect**.

Press **Done** to save any edits to the Connections Manager or **Cancel** to exit without saving.

Break Connections

The parent applet can only break connections to **all** its children, while each child applet can individually break the relationship to its parent. When a relationship has been broken, the parent applet must issue a new **Send to-->** command to reestablish a relationship. A new child applet will launch when issuing a new **Send to-->** command.

To break a relationship, right-click on the parent or child applet and select **Break Connections**.

As a shortcut, the parent or applet can also be deleted causing the relationship to break.

Repositioning Parent and Child Applets

When a parent applet is moved across the screen its child applets move with it.

Any child applet can be repositioned without affecting its parent or other child applets.

Save a Relationship in a Template

A parent/child relationship can be saved as a template. When the template is launched the relationship is maintained.

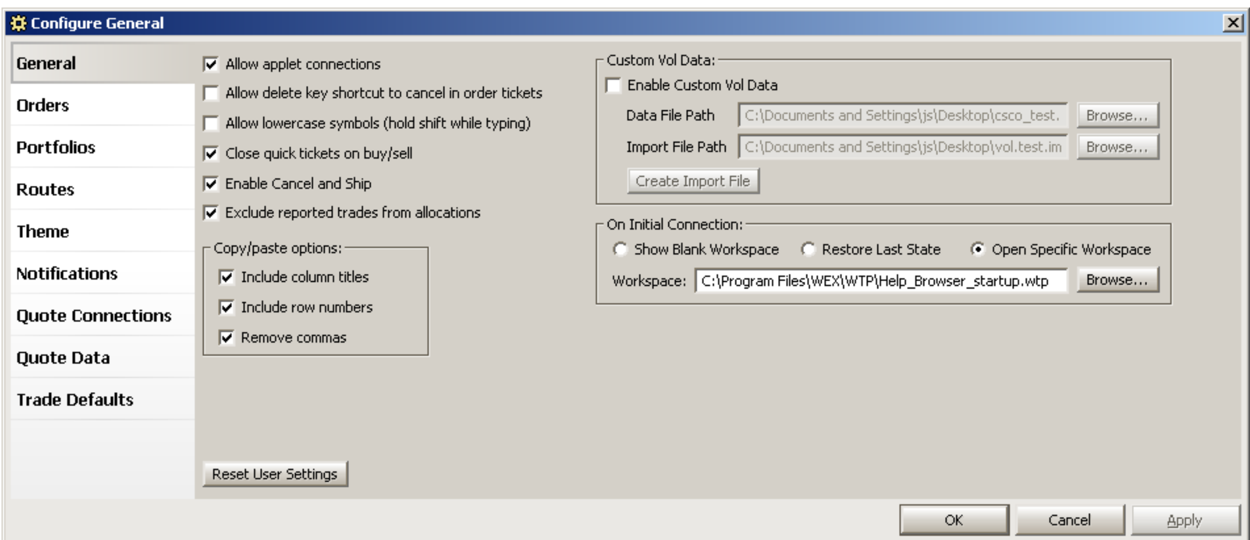
Learn about templates **here**.

Global Configuration

Default selections and default features that cover all items in the WTP suite are selected on the nine screens that make up Global Configurations.

General Configuration	Notifications
Orders	Quote Connection
Portfolios	Quote Data
Routes	QTY and Price Increments
Theme	

General Configuration



Allow applet connections

A connection can be made between two or more WTP applets via the **Send to-->** command. When a connection is made, the applet being connected to responds by displaying the same symbol as its *parent* (i.e., the connecting applet). As the parent's symbol changes, so does its *child* (the applet the parent is connected to), if defined as such.

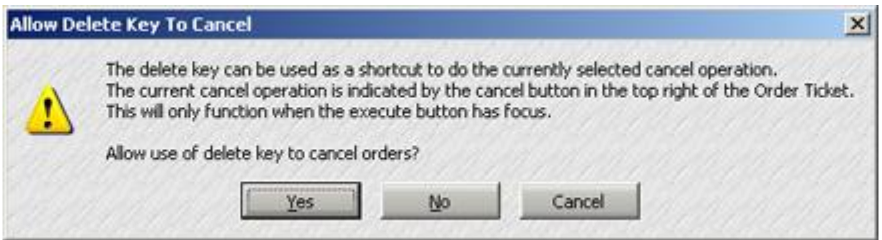
Check the **Allow Applet Connections** box to have this feature enabled when issuing the **Send to-->** command.

Note: Connections already established will not be broken if the **Allow Applet Connections** is subsequently unchecked.

Learn the specifics of Connections **here**.

Allow delete key shortcut to cancel in order tickets

You can cancel an order in an Order Ticket by pressing the **Delete** key with this option. A confirmation window will appear when the box is checked:



Press **Yes** to allow the delete key to cancel orders. Press **No** or **Cancel** to close the window and not allow the delete key to cancel orders.

Allow lowercase symbols (hold shift while typing)—Symbols entered in an order ticket are in uppercase by default. If this box is checked, symbols can be entered in lowercase. To enter lowercase characters press the shift key when typing.

Close quick ticket on buy/sell

An **Order Ticket** can be accessed directly from a number of WTP applets.

If the **Close Quick Ticket on Buy/Sell** is checked, an Order Ticket will automatically close once a buy or sell order has been issued.

Enable Cancel and Ship

When changing an order, the route for that order can be simultaneously changed. This effectively cancels the order and makes a new order on a different exchange.

The following is a sequence of events that can occur if the **Enable Cancel and Ship feature** is active:

1. An order has been submitted.
2. The order is accepted by the exchange and is considered **Live**.
3. A request to change the order is made.
4. The original order is canceled by the exchange.
5. The gateway sends the replacement order to a different route where the order could end up at a different exchange.
6. The replacement order has been accepted.

Check **Enable Cancel and Ship** to activate this option.

Exclude reported trades from allocations

If a stock purchase is done away from WEX and then reported (using the **Report Trade Ticket**), the trade will be excluded from the **Allocator** if the **Exclude reported trades from allocations** is checked.

Copy/Paste Options

There are three options that can be selected when copying data from any WTP grid and pasting the data into another application.

- **Include Column Titles—**The column head will be included when pasting grid data into another program.
- **Include Row Numbers—**Each row will have its own number. The numbers will be visible when pasting grid data into another program.
- **Remove Commas—**The commas used in numerical strings (i.e., 7,200) will not be seen when pasting grid data into another program.

Custom IVol Data

Custom IVol values that are stored in a comma-delimited source file can be imported into one of the various WTP grids where Options data is reported (for example, Option Quote Cube or Quote Grid).

The **comma-delimited source file** is imported along with an **import file** (containing the relevant column headings). If no import file exists, it must be created and have its column headings defined.

Once imported, a new column **Custom IVol** is added to the grid. The custom IVol values (**multiplied by a factor of 100**) are added to the Custom IVol column, matching the strike price and expiration date that is listed in the source file.

If a change is made to the source file after importing, a confirmation window will display asking if the source file is to be reloaded (i.e., re-imported).

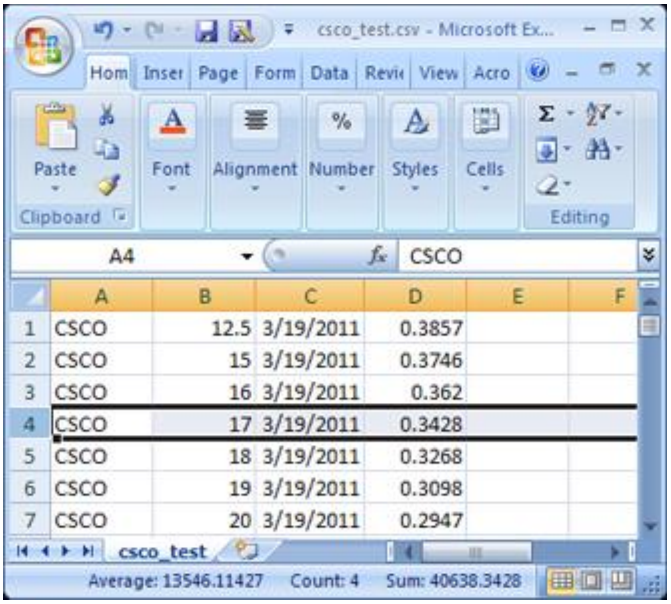
A notification can be setup whereby a notification window announces any custom IVol import changes (along with a sound, if defined).

Steps to Import Custom IVol Data

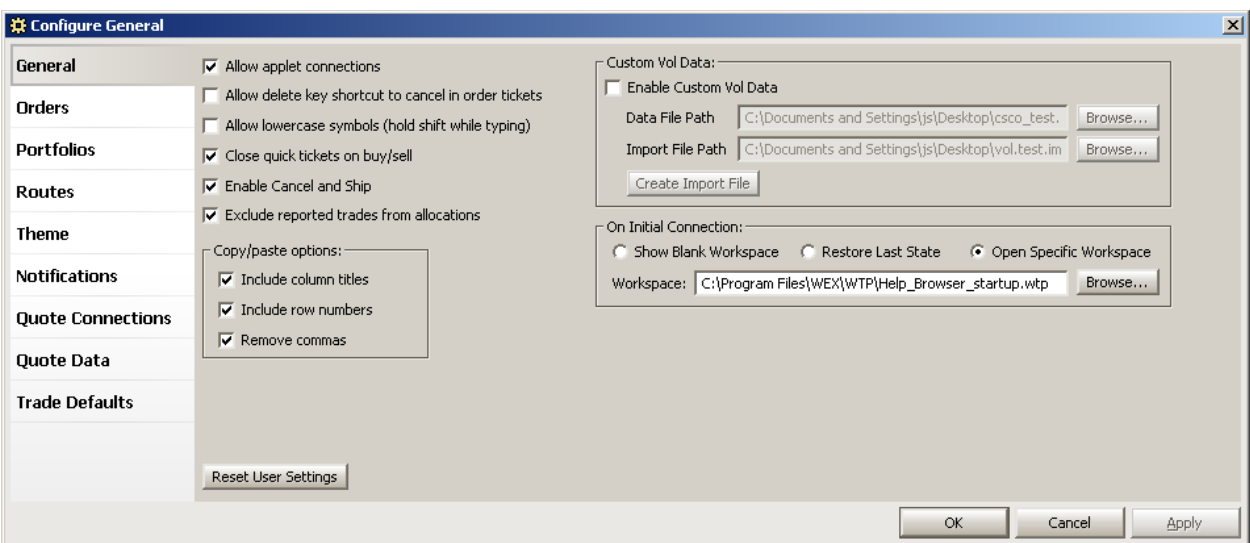
1. The source file must be a comma-delimited file with a .csv extension. The file should contain:
   - The name of the security
   - The strike price
   - The expiration date (Format = MM/DD/YYYY)
   - The IVol percentage (displayed in decimal format)

In the example below, the security is CSCO with an expiration of 3/19/2011. The Strike price is $17.00, and the IVol value is 0.3428.

Note: The IVol value in the source file will be multiplied by **100** when it's placed into a WTP grid.

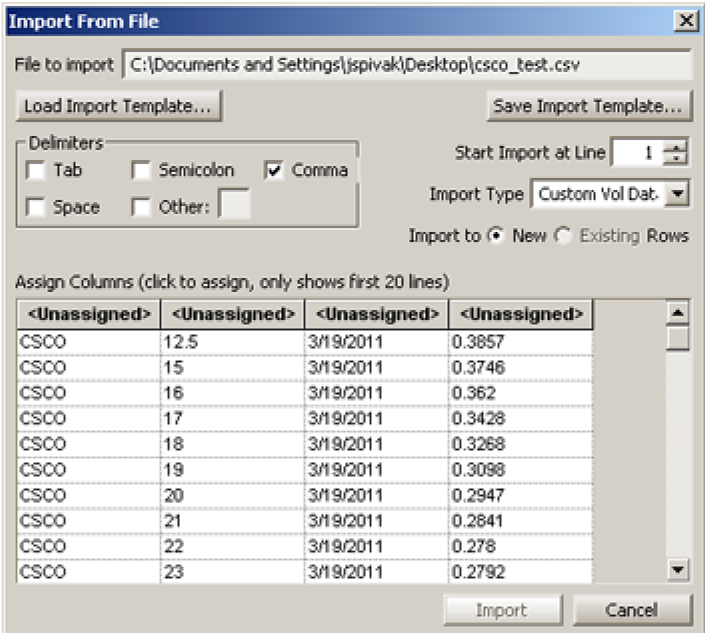


2. In the **Data File Path** field in Global Configuration click **Browse** and load the .csv file:



If an **Import File** exists, enter it in the **Import File Path** field. If not, leave the field blank.

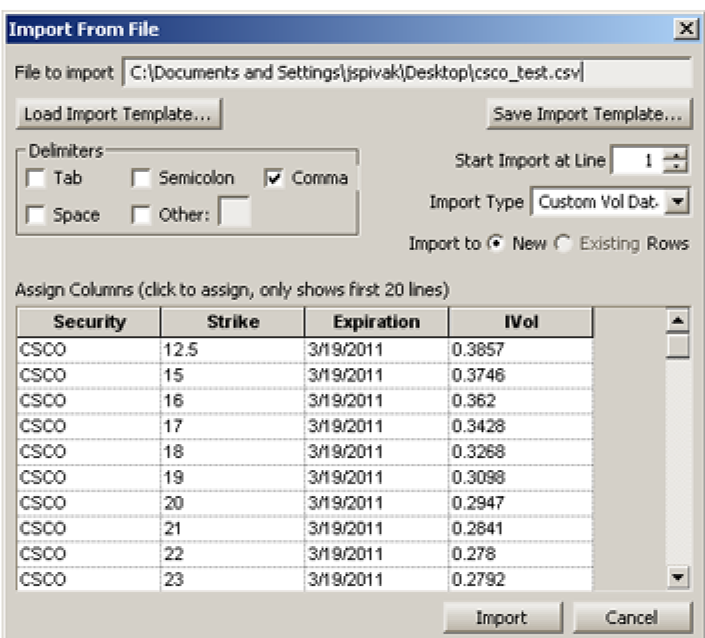
3. Select **Create Import File.** An **Import From File** window will display:



Because an import file did not exist, the column heads are listed as **<Unassigned>.**

Assign a column head to each column by clicking on **<Unassigned>** and select a name that reflects the data stored in each column.

When finished it should look like this:



Note that only the first 20 rows of the source file will be displayed.

Optional: Select **Save Import Template** to save this template for reuse without having to redefine column heads.

4. Click **Import**.

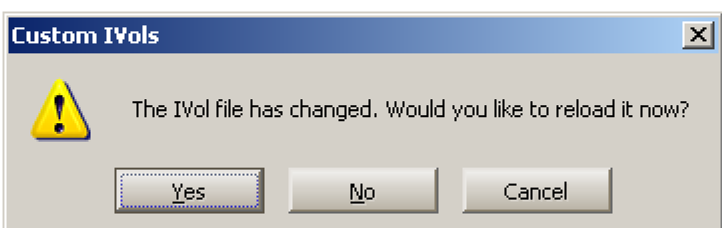
If the WTP grid does not display the column **Custom IVol** it must be added.

In the grid, the Custom IVol values will populate the Custom IVol column:

Note that the values in the source .csv file are multiplied by **100** when placed into a grid. For example, in the source file the strike price of $17.00 has a Custom IVol value of .3428. Multiplied by 100, the value displayed in the grid is 34.2800.

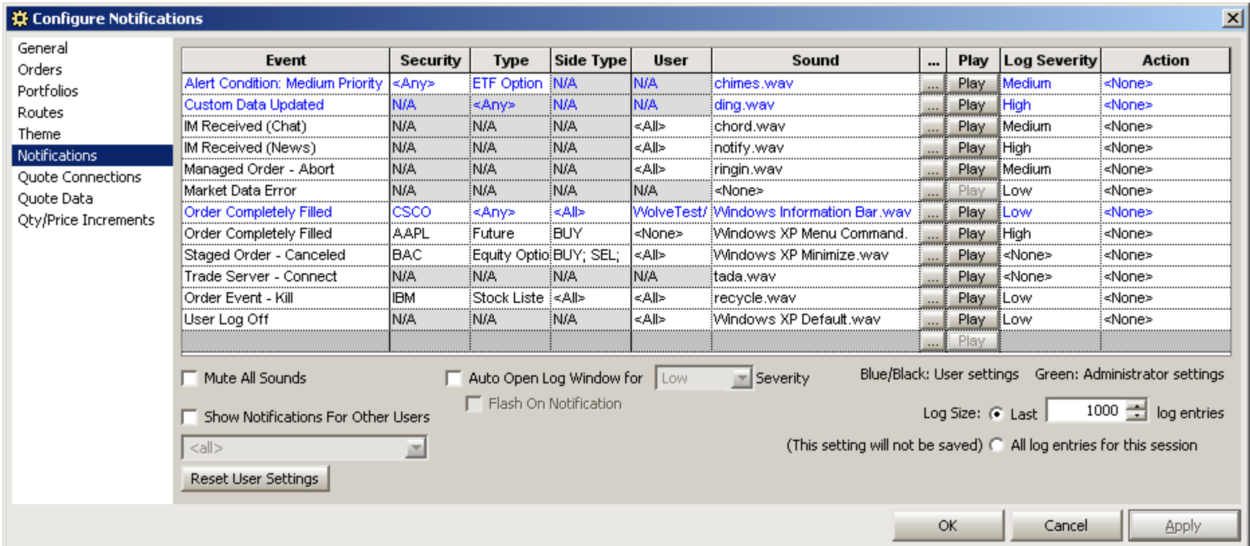
Making Changes to the .csv Source File

If a change is made and saved in the .csv source file, a confirmation window will display:

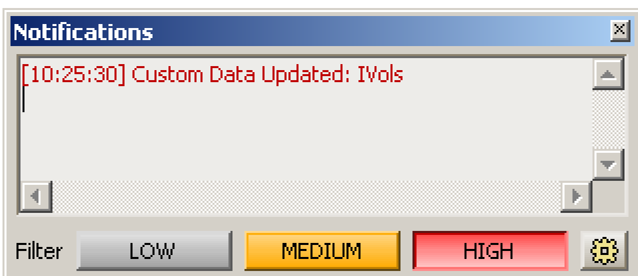


Click **Yes** to load the changes into the grid. Click **No** to not accept the changes into the grid.

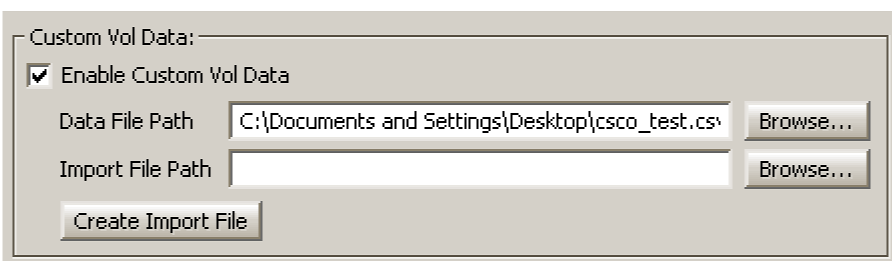
A **Notification** can be defined for Custom IVols:



When a change is encountered a notification will be issued:



Enable/Disable Custom Vol Data



Check the **Enable Custom Vol Data** if you wish to enable both. When checked, "Enable Custom Vol Data" monitors the custom data file path and will notify you if any changes have been made (see **Making Changes to the .csv Source File** above). If the check box is disabled, no notifications will be delivered.

If no data file path **or** import file path exists, be sure to un-check the "Enable Custom Vol Data" box. If **Enable Custom Vol Data** is checked but no data file path or no import file path exists, an error message will appear when saving Global Configuration.

On Initial Connection

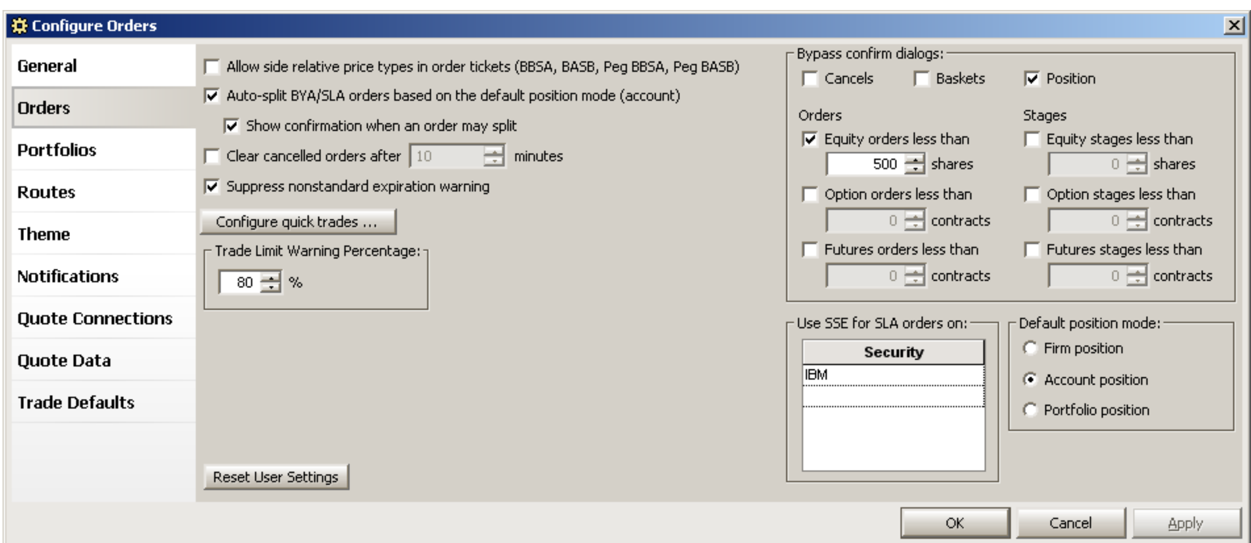
The workspace that will load upon the *initial connection* to WTP is set here.

The **initial connection** is defined as the first connection to WTP following a complete exit. To log on after a log off (while WTP remains running) is **not** the same thing as an initial connection.

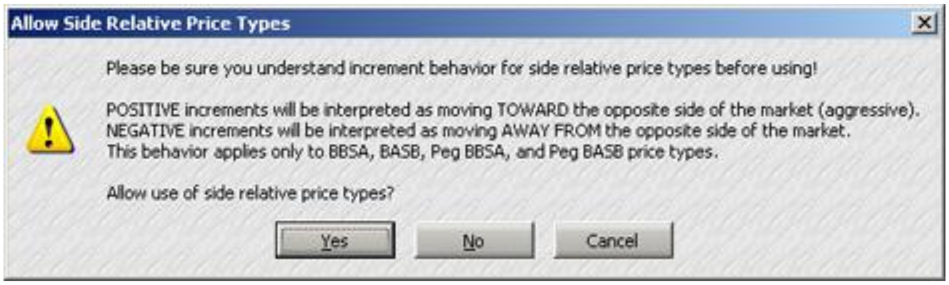
When launching WTP and connecting, WTP will load a workspace based on one of three settings:

1. **Show Blank Workspace**—No workspace will load.
2. **Restore Last State**—Load the workspace as it was when WTP was last closed.
3. **Open Specific Workspace**—Select the **Browse** button and choose an existing workspace (with a **.wtp** extension). This workspace will load the next time WTP is launched and connected.

Orders



Allow Side Relative Prices Types in Order Tickets (BBSA, BASB, Peg BBSA, Peg BASB)—If this box is checked, a warning message will appear:



Click **Yes** if side relative price types are to be included in the **Order Ticket**. Click **No** or **Cancel** to exit the warning screen without allowing side relative price types.

Side Type Definitions:

BASB—Buy at the Ask, Sell at the Bid, modified by a specified increment

BBSA—Buy at the Bid, Sell at the Ask, modified by a specified increment

Peg BBSA—Peg Buy at the Bid. Peg Orders allows a user to specify a value they want their order pegged, and an increment that defines an offset from the value. For example, if a price type is Peg Ask with a +.01 increment, the exchange pegs the price of any orders it receives to be one cent *less* than the best ask.

Peg BASB—Peg buy at the Ask, Sell at the Bid

NOTE: Peg orders are not supported by all exchanges. Check with your WORMS administrator for the routes that support peg orders.

Auto-Split Outright BYA/SLA Orders

If SLA (Auto Sell) is used to sell a security in an amount larger than the currently held position, a **flat position** will be crossed.

Checking "**Auto-Split Outright BYA/SLA Orders"** assures that two things will occur: 1. If the sell order is for an amount equal or larger than the currently held position, the security will sell long in an amount that will equal a flat position, and 2. A sell-short order will be issued for any remaining shares.

Conversely, a BYA order that's larger than the currently held negative-position results in a BYC (Buy to Close) order up to the flat position and a BUY order for any amount thereafter.

Example 1:

1. Current position on stock XXX is 500 shares.

2. An SLA order is sent to sell 800 shares of XXX.

3. A **sell-long** order is automatically generated for 500 shares, resulting in a flat position **AND** a **sell-short** order is automatically generated for the remaining quantity of 300 shares.

Example 2:

1. Current *negative* position on stock YYY is -200 shares.
2. A BYA (Auto Buy) is issued for 50 shares of YYY stock.
3. A BYC (Buy to Close) order is automatically generated resulting in a current position of -150 shares.
4. Another BYA order is issued to purchase 400 shares of YYY stock.
5. Another BYC order is generated for 150 shares (resulting in a flat position), **AND** a BUY order is generated for 250 shares.

Show confirmation when an order may split

If this option is checked, a confirmation message will display immediately after executing an SLA or BYA order that will result in a split order.

Clear cancelled orders after _ _ _ minutes

Check this box and enter a number that reflects the period of time (in minutes) in which WTP will purge canceled orders. WTP performance will be significantly improved with this feature.

If enabled, canceled orders will be removed from the **Order Grid** once the defined time has been achieved.

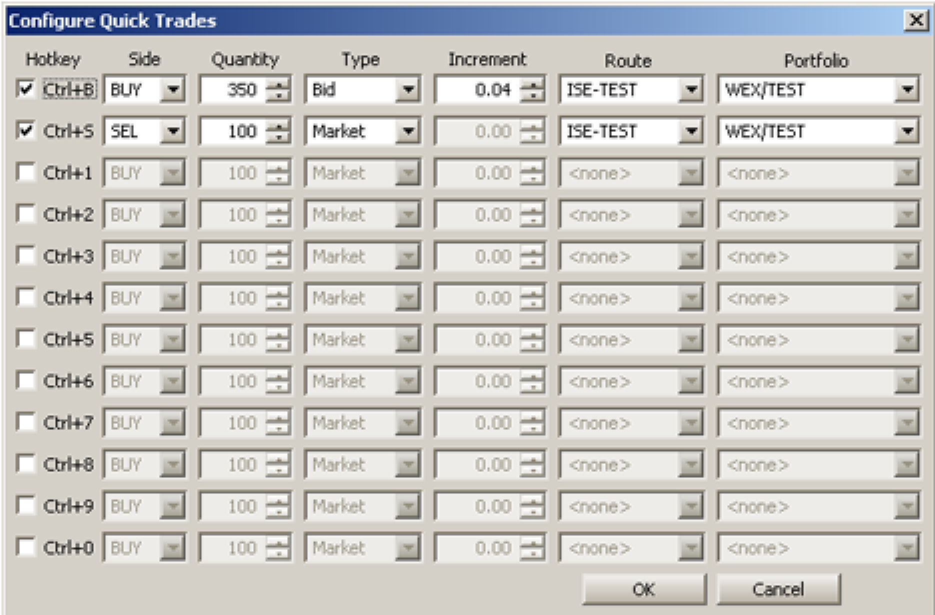
Note: The default time setting is 10 minutes.

Suppress Nonstandard Expiration Warning

When executing an options trade with a non-standard expiration date, a warning message will display.

If **Suppress Nonstandard Expiration Warning** is checked, no warning message will display.

Configure Quick Trades

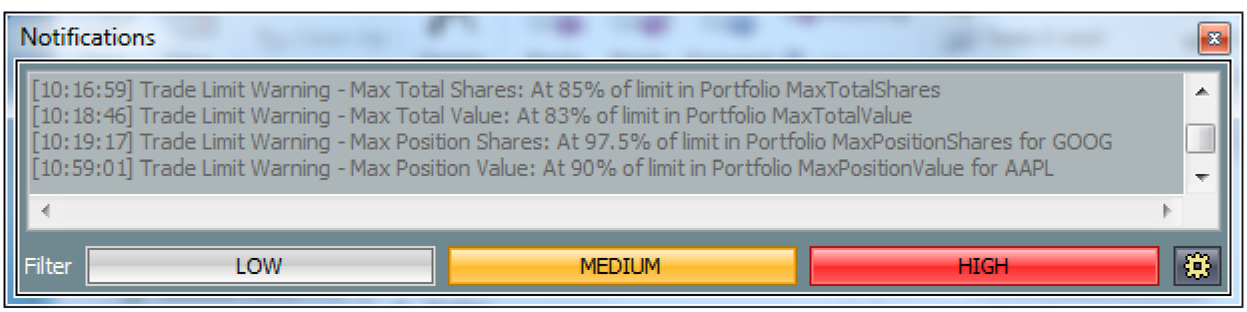


Twelve different hot key combinations can be defined, allowing for quick trade.

To configure Quick Trades:

1. Press **Configure Quick Trades** from the Global Configuration Window.
2. Check the box next to the desired hot key combination
3. Select the variables that will be in force when typing the hot key combination (**Side, Quantity, Type, Increment, Route,** and **Portfolio**).
4. Press **OK** to save the quick trade configuration(s) or **Cancel** to exit without saving.

Trade Limit Warning Percentage



Sample of some Trade Limit warnings

The percentage value set in the **Trade Limit Warning Percentage** field indicates the point at which a warning message will appear. This value can refer to a number of maximum limits including **Max Total Share**, **Max Total Value**, **Max Position Shares**, **Max Position Value**. The message informs you that you are approaching a defined limit.

Example of when a warning will occur: You have the permission to trade a maximum of 5000 shares per day. If you set the Trade Limit Warning Percentage to 80%, a warning message will appear once you've traded 4000 shares (80% of 5000 = 4000).

Bypass Confirm Dialogs

The **Bypass Confirm Dialogs** feature suppresses the confirmation dialog window if any of the following are checked:

1. **Cancels—**When an order is canceled
2. **Baskets—**All basket orders
3. **Position—**All position changes

Select which orders are to have the confirmation message disabled.

A warning message will be issued when selecting any of the following:

1. For **Equity orders** and **Equity stages** enter the number of shares. A dialog window will not display for equity orders *less than* this amount.
2. For **Option orders, Option stages, Futures orders** and **Futures stages** enter the number of contracts. A dialog window will not display for contracts *less than* this amount**.**

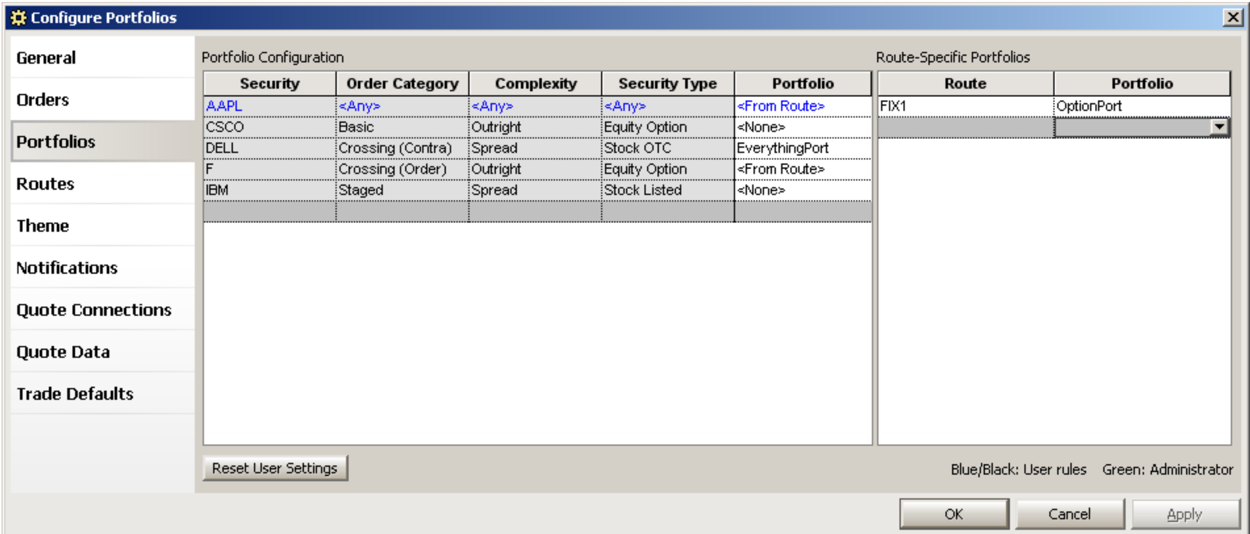
Default position mode

This option allows users to select a default entity position.

Primarily, this is used when **auto-splitting BYA/SLA orders**. When an auto-split is encountered, the **Default position mode** will reference the selected position.

Note: If a user does not have the permission to view a position value, a **BYA** or **SLA** order will not split.

Portfolios



Portfolio Configuration

Users can define default Portfolios in the Portfolios Grid. These Portfolios will be used automatically when defined criteria are met. The criteria are:

Security Name—The name of the Security (AAPL, CSCO, etc.)

Order Category
- Crossing (Order)—The Order Portfolio on a Crossing Ticket
- Crossing (Contra)—The Contra Portfolio on a Crossing Ticket
- Staged—The Portfolio on a Staged Ticket
- Basic—The Portfolio on any other Ticket, Basket Trader, or Managed Order

Order Complexity
- Spread—Spread Orders w/multiple Symbols
- Outright—Orders with a single Symbol

Security Type—The Type of the product being traded (Option, Equity, Future, etc.)

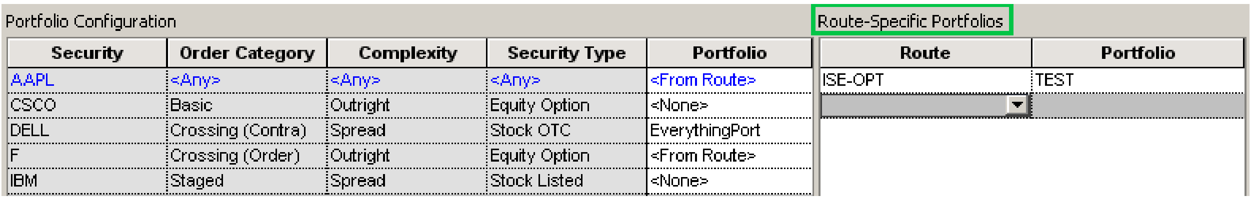
For all Portfolio Configuration columns, select **<Any>** to match any selection available in that column.

For instance, when a symbol is entered into an Order Ticket, WTP looks at the defined portfolio configurations to find a rule matching the criteria of the ticket (i.e., Does the Security, Order Category, Order Complexity, Security type, and the Portfolio match?). If a match is found, the default portfolio defined by the matching row will apply to the current ticket. If a matching row is not found, the portfolio will default to Spaces.

To reset all Portfolio settings to their default values, select **Reset User Settings**.

To accept changes, select **OK** or **Apply**. Select **Cancel** to exit this screen without saving selections.

Route-Specific Portfolios



Portfolio Configuration

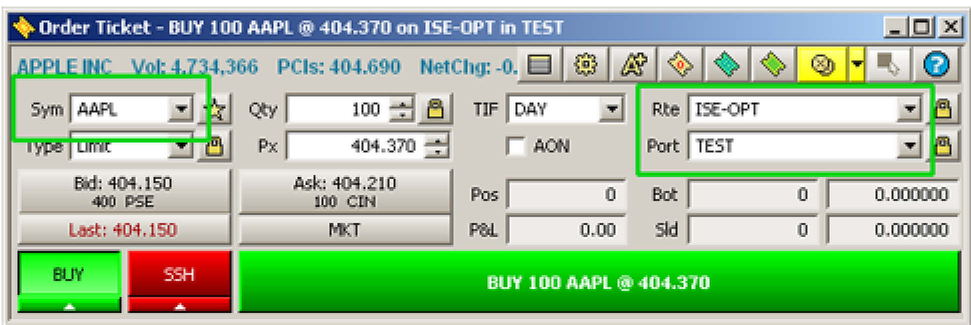
Security	Order Category	Complexity	Security Type	Portfolio
AAPL	<Any>	<Any>	<Any>	<From Route>
CSCO	Basic	Outright	Equity Option	<None>
DELL	Crossing (Contra)	Spread	Stock OTC	EverythingPort
F	Crossing (Order)	Outright	Equity Option	<From Route>
IBM	Staged	Spread	Stock Listed	<None>

Route-Specific Portfolios

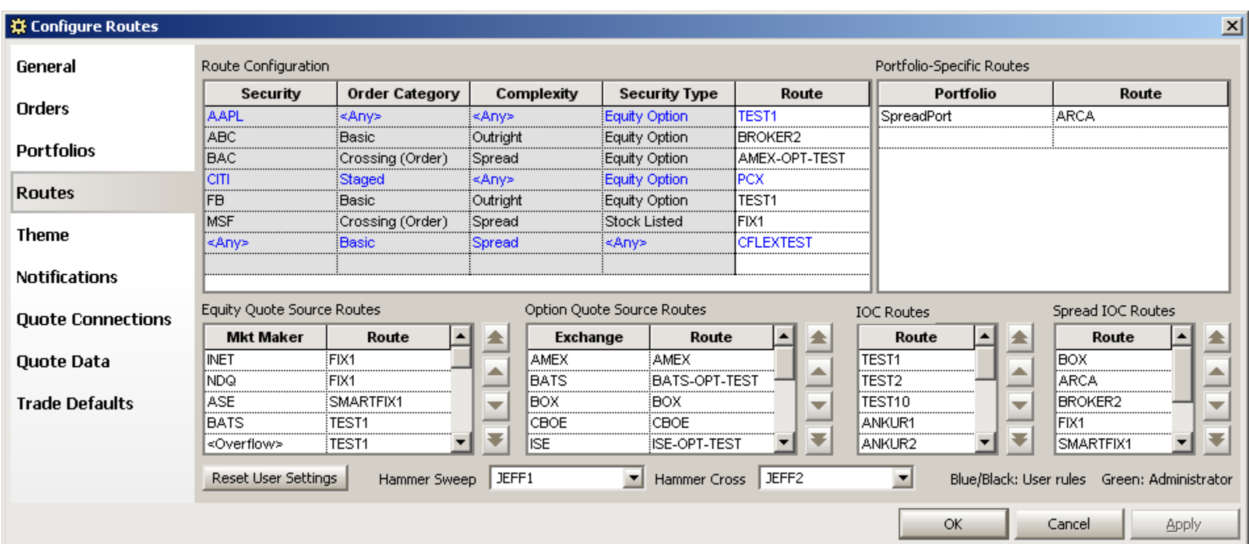
Route	Portfolio
ISE-OPT	TEST

When **<From Route>** is selected in the Portfolio column of the main Portfolio Configuration grid, and a route and portfolio is defined in **Route-Specific Portfolios** (in the example above, the Route is **ISE-OPT** and the portfolio **Test**), the Order Ticket will automatically fill the **Portfolio** field with the defined portfolio.

In the example below, the symbol **AAPL** and the route **ISE-OPT** are selected. The **Port** field is automatically filled in with the portfolio **TEST**.



Routes



Route Configuration

Security	Order Category	Complexity	Security Type	Route
AAPL	<Any>	<Any>	Equity Option	TEST1
ABC	Basic	Outright	Equity Option	BROKER2
BAC	Crossing (Order)	Spread	Equity Option	AMEX-OPT-TEST
CITI	Staged	<Any>	Equity Option	PCX
FB	Basic	Outright	Equity Option	TEST1
MSF	Crossing (Order)	Spread	Stock Listed	FIX1
<Any>	Basic	Spread	<Any>	CFLEXTEST

Portfolio-Specific Routes

Portfolio	Route
SpreadPort	ARCA

Equity Quote Source Routes

Mkt Maker	Route
INET	FIX1
NDQ	FIX1
ASE	SMARTFIX1
BATS	TEST1
<Overflow>	TEST1

Option Quote Source Routes

Exchange	Route
AMEX	AMEX
BATS	BATS-OPT-TEST
BOX	BOX
CBOE	CBOE
ISE	ISE-OPT-TEST

IOC Routes

Route
TEST1
TEST2
TEST10
ANKUR1
ANKUR2

Spread IOC Routes

Route
BOX
ARCA
BROKER2
FIX1
SMARTFIX1

The default behavior in the **Order Ticket** with regard to routes is set up here.

Route Configuration—Similar in behavior to the **Portfolios** tab, an Order Ticket will first look here for a rule of a defined security. If it cannot be found, it looks for a listed equity rule. If neither are found, it defaults to blank.

Each column under Route Configuration has a drop-down list. Select the **Security**, **Order Category** (<Any>, Basic, Crossing (Order), Staged), **Complexity** (<Any>, Outright, Spread), **Security Type**, and **Route** from the drop-down list.

Equity Quote Source Routes (in priority order)—Market Maker routes are defined here. Their purpose is to identify which routes a **Fan Out Grid** will fill itself with. By defining a route for the Market Maker, the Fan Out Grid can determine to which route an order can be sent.

IOC Routes are also known as *Dark Pool Routes*. They are defined in the same manner as other routes (via the drop-down list). When IOC Routes is activated in the Order Ticket, an IOC order will be sent to each of the IOC routes one at a time in an attempt to fill the order.

Spread IOC Routes are similar to IOC routes and are used in the **Spread Ticket** and **Spread Basket Trader**.

Portfolio-Specific Routes links a portfolio to a route. If a portfolio/route is defined here and the portfolio is selected when creating an order, its associated route will automatically be selected. **Note:** This feature is the reverse of the **Portfolios** section of Global Configuration where a security can be linked to a portfolio via a route when **<From Route>** is selected.

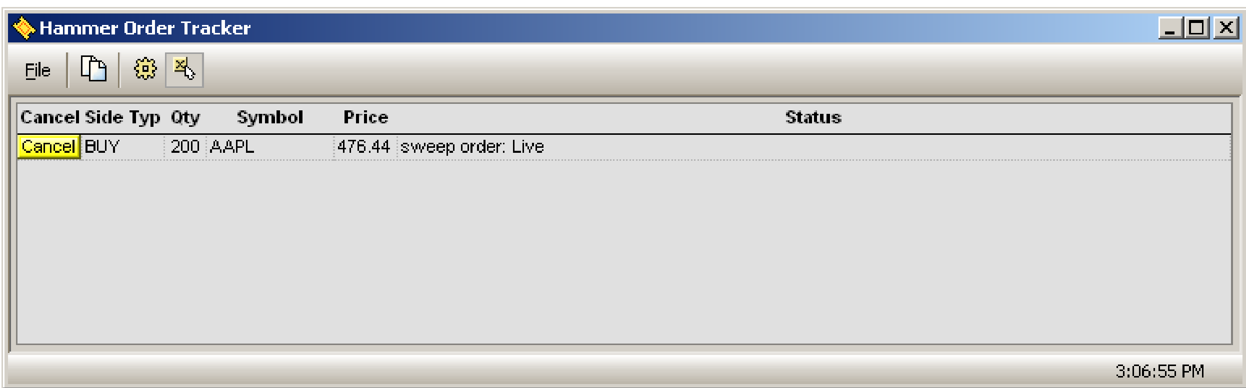
Hammer Function—"Hammer" is a WEX function that allows traders to sweep the market up to a defined limit price and cross the remaining quantity.

Two routes for the hammer sweep and cross are defined (**Hammer Sweep** and **Hammer Cross** respectively).

A window titled **Hammer Order Tracker** launches when a crossing order with a <hammer> route hasn't immediately filled. If this should occur, the order can be canceled by selecting the **Cancel** button.

In the example below, the route selected in the **Crossing Ticket** is **<Hammer>**. The Hammer Sweep and Hammer Cross routes will be used. Because the order didn't fill immediately, the Hammer Order Tracker launches:

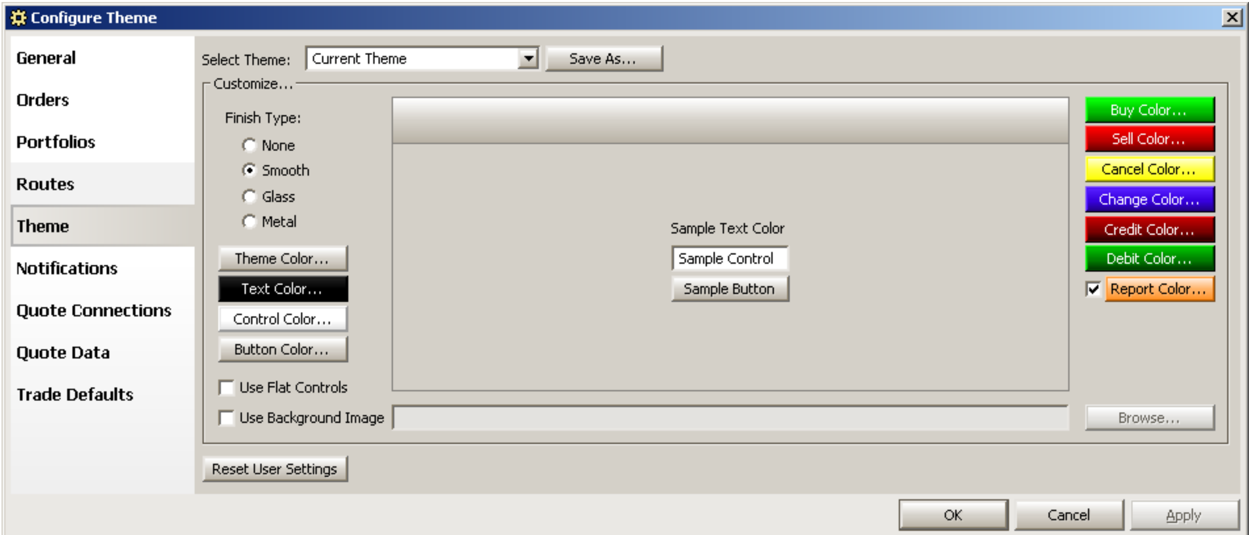
Crossing Ticket in which the ***<Hammer>*** *route is selected.*



The ***Hammer Order Tracker*** *launches when a crossing order with a <hammer> route hasn't immediately filled.*

Note: Closing the Hammer Order Tracker will cancel all live <Hammer> orders.

Theme



The **Theme** tab in Global Configuration allows users to gain more control over the look of the WTP screens.

Select Theme

A theme encompasses many visual elements including the **Finish Type, text colors, button colors,** and **control field** colors.

Although each color element can be worked on individually, a theme allows you save all color configurations as a **.wtp-theme** file.

Select one of the pre-defined themes from the drop-down list and it will automatically display in the Global Configuration window. Select **OK** or **Apply** to activate the theme throughout WTP.

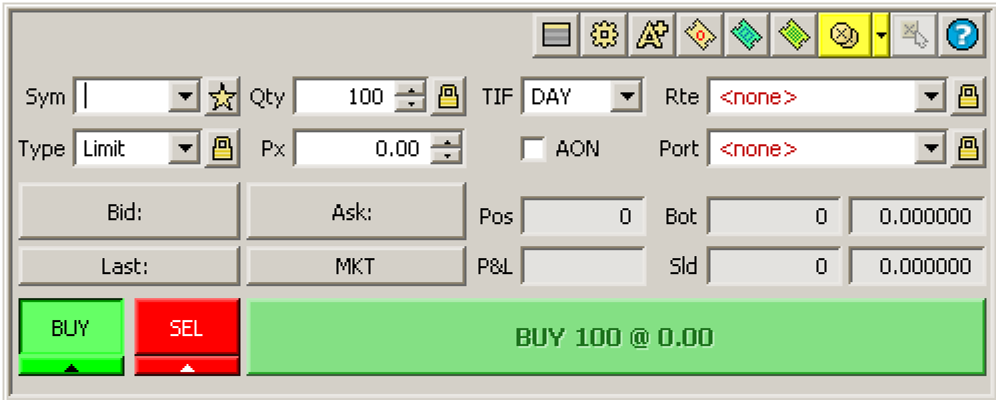
Save a Theme

A new or existing theme can be saved under any desired name. Once all color configurations have been made, select **Save As**... The saved file will have a .wtp-theme extension.

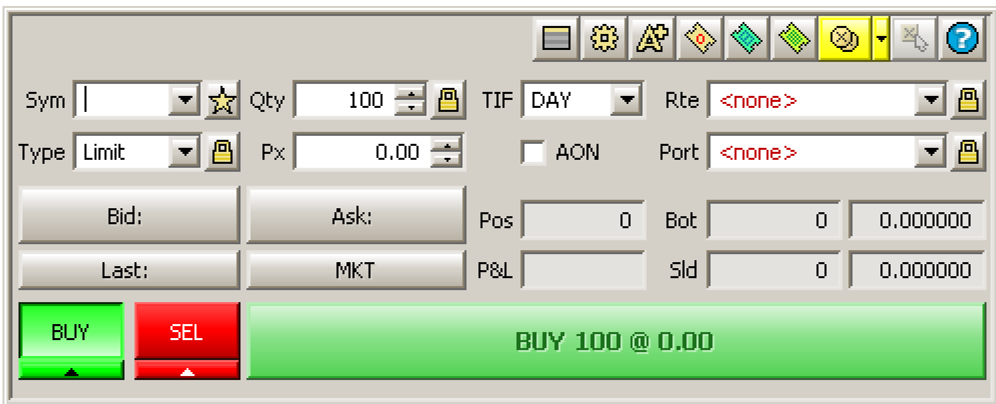
Finish Type:

Select from one of the following:

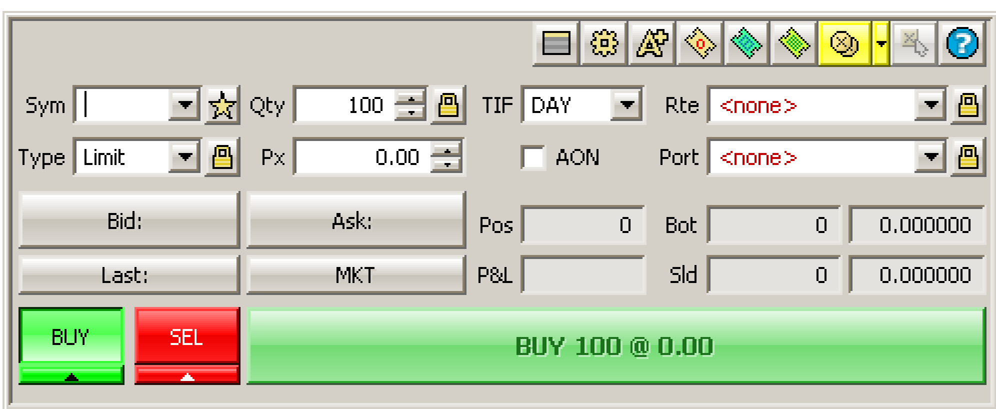
None—No finish type applied to screens and buttons:



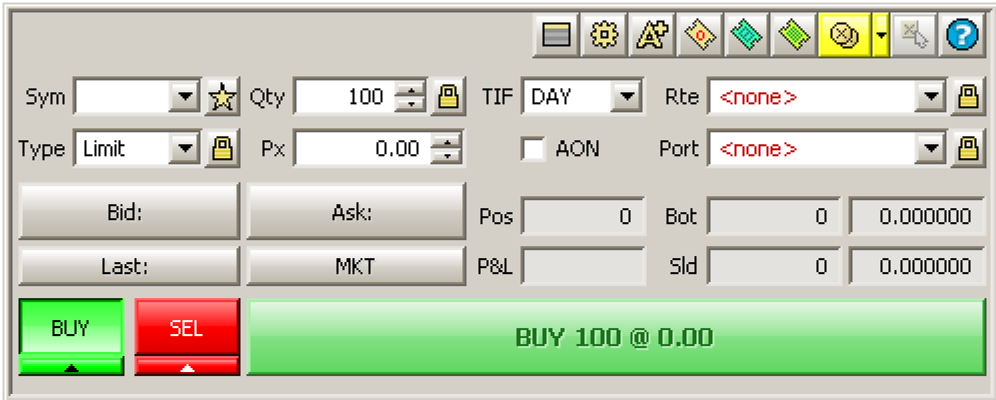
Smooth:



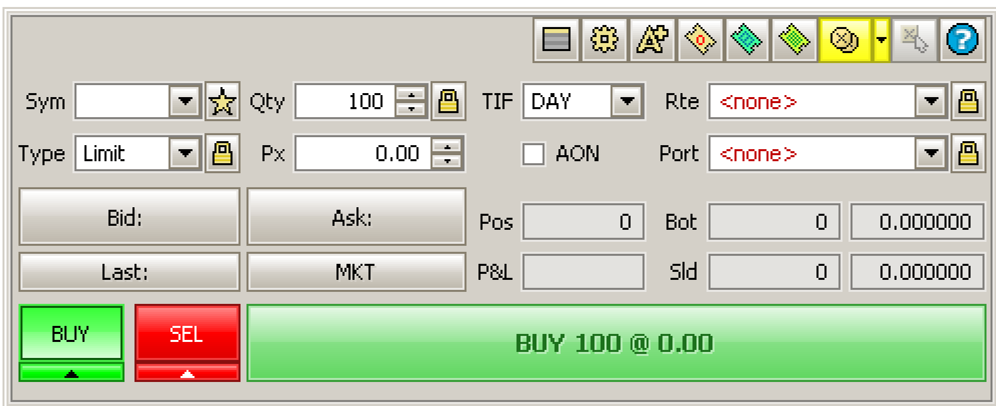
Glass:



Metal:



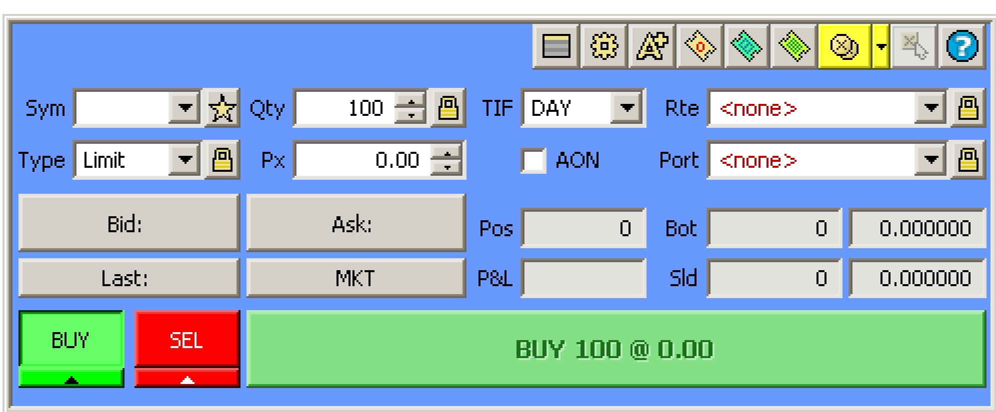
Use Flat Controls When selected, buttons and tabs will have a flat, flushed look:



Use Background Image—A bitmap (.bmp) image can be used as the background for all WTP apps.

Press the **Browse** button to select the .bmp file that will be imported.

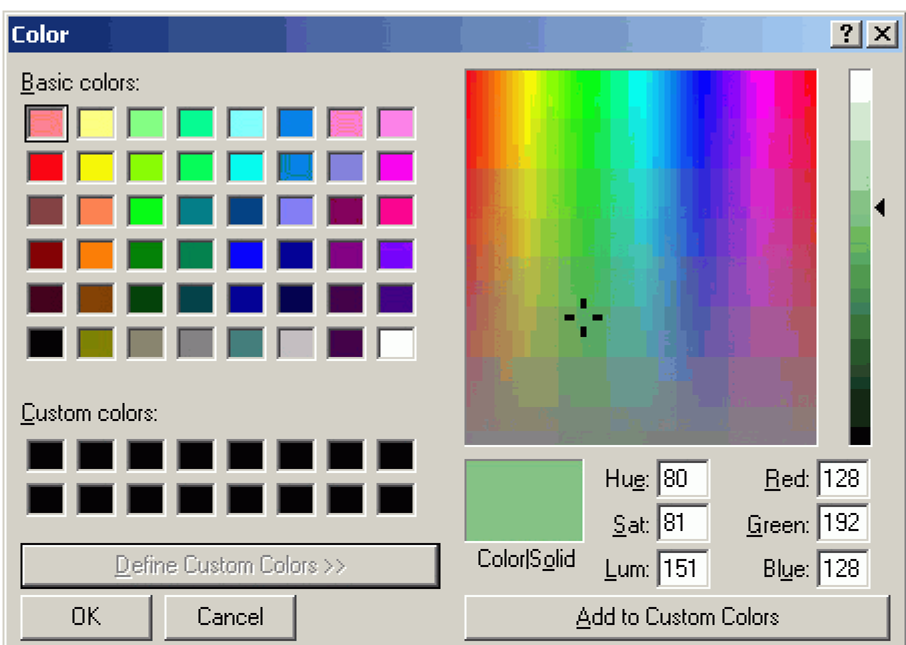
In the image below, a blue-colored bitmap photograph was defined as the background image:



Button Colors can be customized. To change a button color:

1. Press on the button to be changed. The color window will appear:

To define colors other than the basic colors, click **Define Custom Colors:**

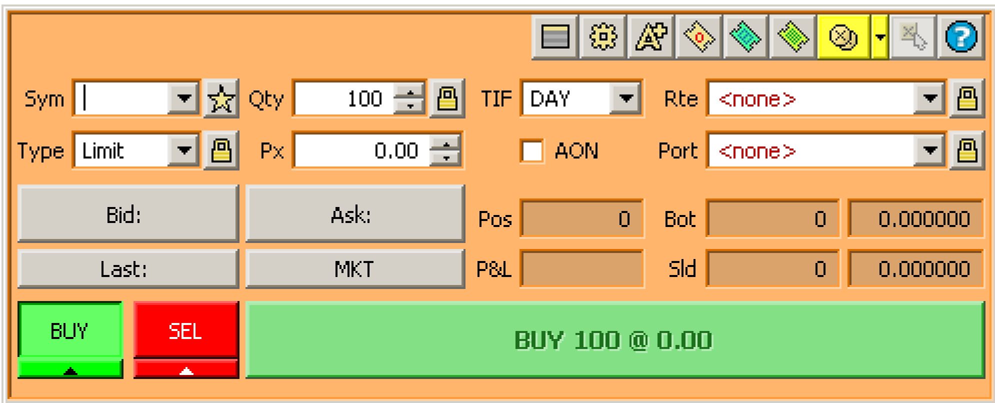


2. Select a color either by entering red/green/blue or Hue/Sat(uration)/Lum(inosity) values, or by moving the mouse and choosing a desired color.

3. Click **OK** to save your new color selection or **Cancel** to exit without saving a custom color.

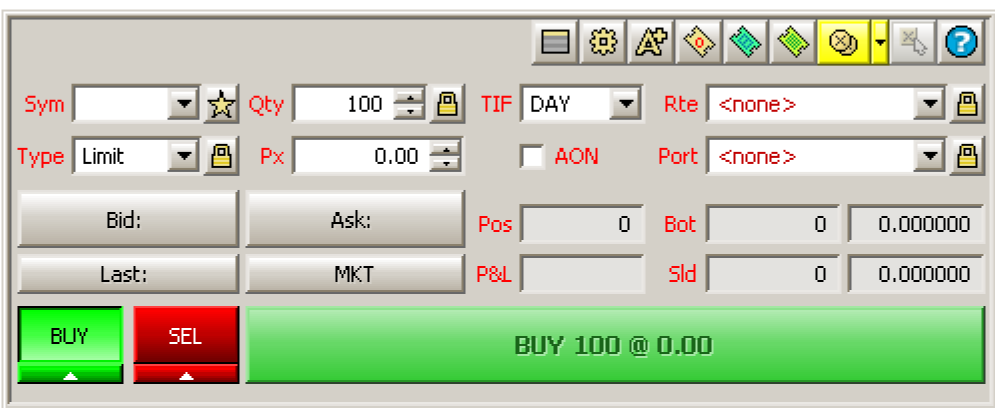
Theme Color

Select Theme Color to change the background color of all WTP windows and configuration screens. When selected, the color window will display. As with the button colors (above) you can select from pre-defined colors or a custom defined color:



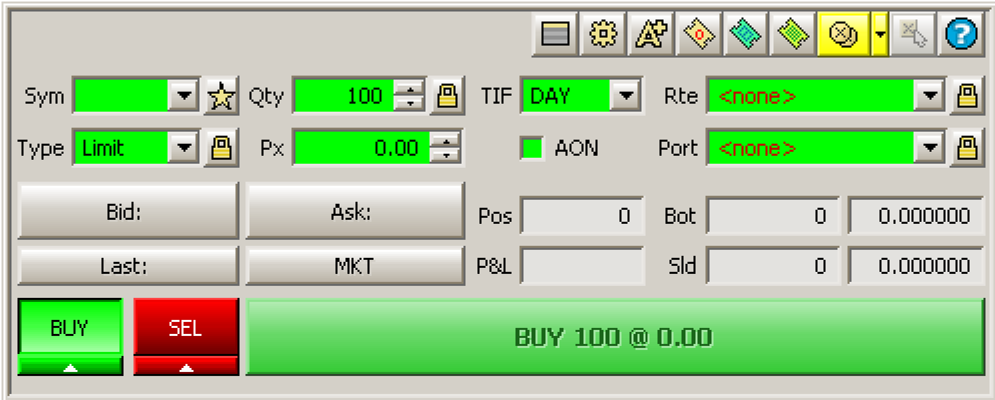
Text Color

Select the color of all text displayed in WTP windows and configuration screens. In the image below, the text color was changed to red:



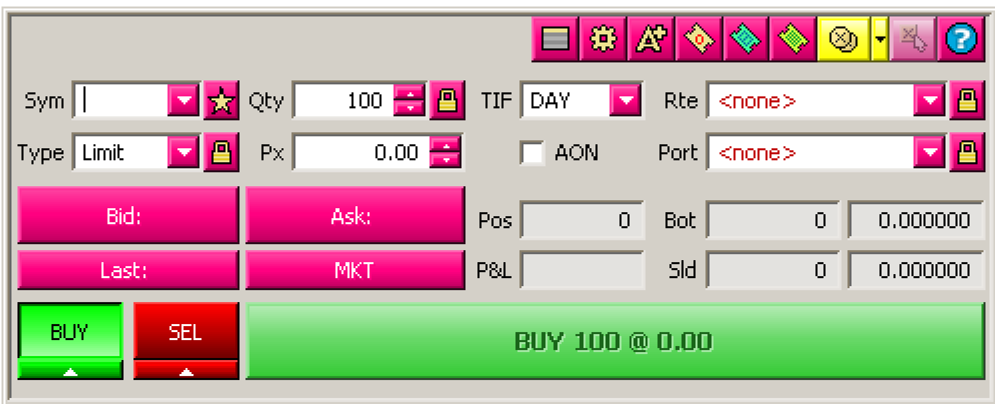
Control Color

Select the color of content-input fields, check boxes, and radio buttons with this control.



Button Color

Select the color for all buttons in WTP with this control:



The Center Display

The center portion of the **Theme** window reflects the text, control, and button settings:

Report Color

The Report Color button is used to define the background color of the **Report Trade Ticket**.

When Report Color is unchecked, the Report Trade Ticket will display in the system default color.

Reset User Settings

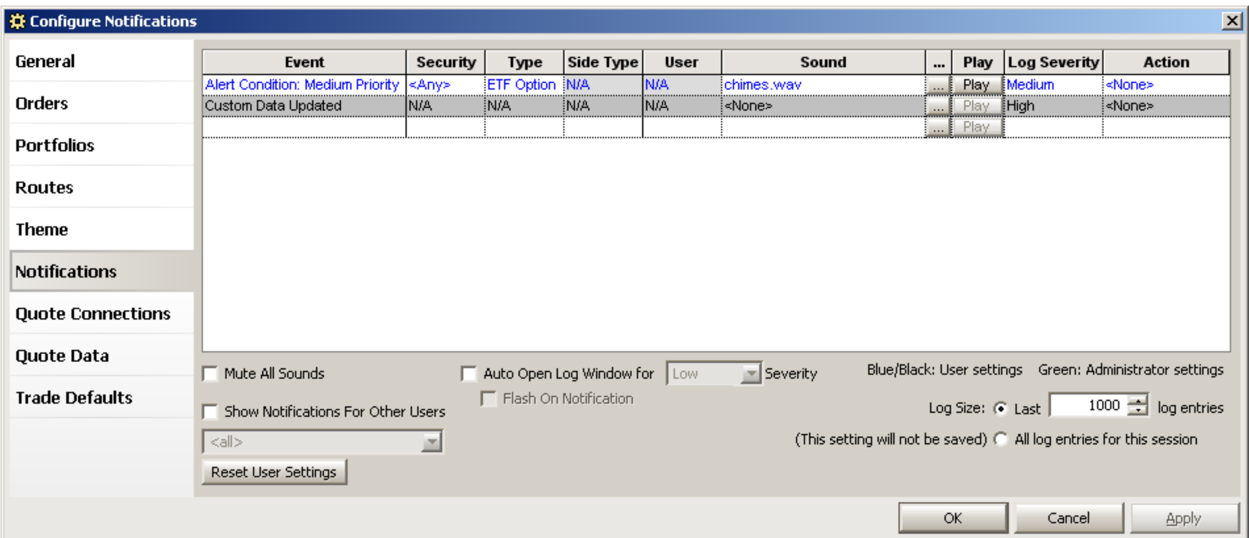
Select **Reset User Settings** to revert to the default WTP color scheme. A confirmation window will launch when making this selection. Press **Yes** to reset the color values.

Save Changes

Click **OK** to accept changes and exit or **Apply** to accept changes and keep the Global Configuration window open.

Click **Cancel** to exit the window without saving changes.

Notifications



Notifications are sound files played when a defined event occurs. Additionally, a log severity can be set that appends event information to a log file.

Events and Sounds

To link an event with a sound:

1. Select an event from the drop-down list in the **Event** column.
2. Select a corresponding sound from the drop-down list (below the **Event** column) **OR** select a .wav file from your system by pressing the **Browse** button.
3. Press the play button  to hear the sound that will play when the event occurs.

Note: If no sounds are preferred, check the **Mute All Sounds** box.

Notify by Security

A notification can be sent based on a defined event of a security. A drop-down list in the **Security** column lists all available securities.

Note: If notification is to be given for a single event with *multiple* securities, each security must be defined individually.

Log Severity

A defined event can be flagged as a log severity of **Low, Medium,** or **High.** If an event is flagged, the event will be written to a log file.

To link an event with a log severity:

1. Click on an event from those listed in the window.

2. In the **Log Severity** column select either **Low, Medium,** or **High** from the drop-down list.

Note: A sound need not be defined in order to record a log severity event.

The Auto Open Log Window

An Auto **Log Window** will open if a defined log severity condition has been met. This function can also be disabled.

To open or disable a log window:

1. Select either **Low, Medium** or **High** corresponding to the log severity event selected (above).

2. To disable a log window from opening, select **Disable Auto Open**.

Flash On Notification

When the WTP toolbar is minimized to the taskbar, the WTP taskbar icon will flash if **Flash On Notification** is checked *and* the Notifications Window launches.

The flashing of the taskbar icon stops when the Notifications Window is selected.

If it is preferable to not have the taskbar icon flash when a notification is received, do not check Flash On Notification.

Note: Auto Open Log Window must be checked in order to access the Flash On Notification option.

Log Size

The number of entries in a log can be defined.

1. Enter the amount of the **last** log entries that will be saved (or press the up/down arrows in increments of 100 to define the number).

2. To save all log entries, select **All log entries for this session**.

Show Other User Notifications

Check the box **Show Other User Notifications** to see all the notifications from other users to whom viewing permissions are granted.

When the feature is active and one or more users have been selected, you will receive notifications when any of those users receive a notification.

Selecting **<all>** will show notifications for all users in the drop-down list. The only requirement to use Show Other User Notifications is that you must have permission for the action that is to be notified (i.e., portfolio permissions are necessary if you wish to be notified about submitted or filled orders).

Reset User Settings

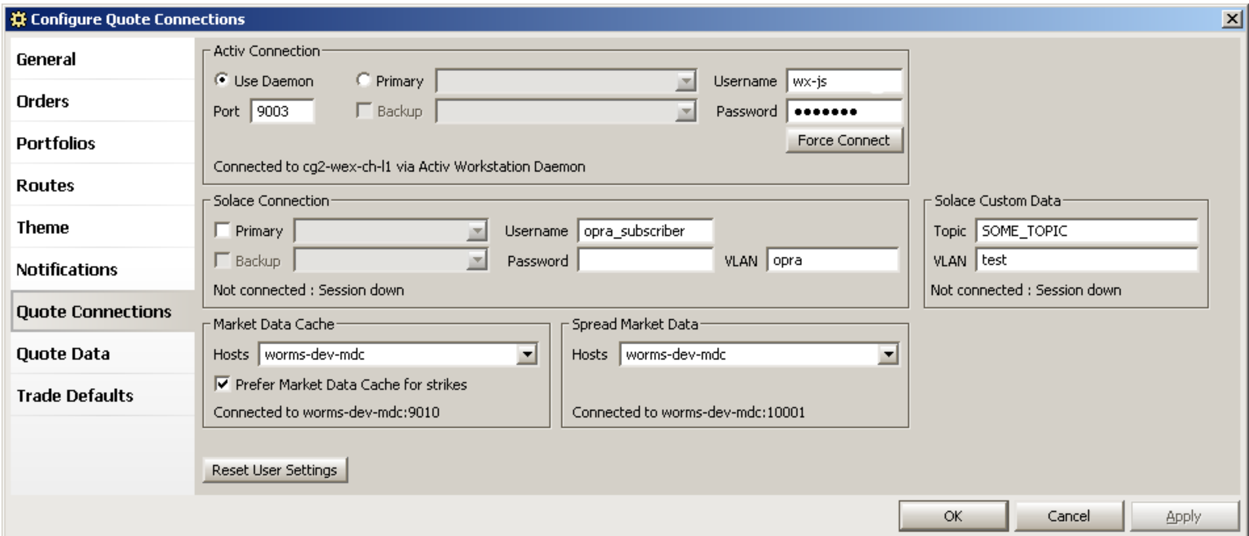
Pressing **Reset User Settings** will bring up a confirmation window. If **Yes** is selected, all settings will revert to their default status.

Accept/Cancel Changes

Click **OK** to accept changes and exit or **Apply** to accept changes and keep the Global Configuration window open.

Click **Cancel** to exit the window without saving changes.

Quote Connection



The **Quote Connection** screen contains settings related to market data server connections and quote services.

1. Activ Connection

If market data is to be received via an Activ data feed, select a Primary connection address from the drop-down list, or type one in the Primary field. Optionally, a backup connection can be defined by checking the **Backup** box and selecting the backup address (or entering an address in the Backup field).

The primary/backup fields are formatted as **Host Name: Port**.

Enter also a predefined Username and Password.

Note: All fields relating to the Activ connection are normally set up during WTP installation.

Use Daemon

When **Use Daemon** is selected, a **Port Number** must be entered (e.g., 9003) instead of a full address (e.g., 192.168.187.51:9002). After selecting **Apply**, a message will be displayed indicating whether or not a connection has made. If the message is "Not connected" it will also display the time (in seconds) in which a reconnection will be attempted.

When **Use Daemon** is selected, both **Primary** and **Backup** selections are unavailable for editing.

Force Connect

If Activ has not been able to make a successful connection, selecting Force Connect will display any username or password issues that need to be fixed.

Force Connect can also be used to manually disconnect from, and reconnect to, Activ.

Before selecting the Force Connect button, be sure to save configuration changes by hitting **Apply**.

Note: This feature can be used to forcibly disconnect other WTP instances using the same username from Activ. Contact **WEX Support** to have the feature enabled.

Prefer Activ For News

Check this box if it's preferable to have headlines/news stories delivered via the Activ feed.

If unchecked, headlines/news stories will be delivered via Reuters.

2. Solace Connection

Similar to the Reuters Sink, Solace is a device used in distributing high-speed real-time market data. Both a primary and backup connection are defined along with a username and password. A virtual lan network (VLAN) is also defined.

The primary/backup fields are formatted as **Host Name: Port**.

3. Solace Custom Data

The Custom Data field is used to publish a user's own data into Solace. The settings are used to tell WTP where to find the data.
Note: All fields related to Solace values are normally set up during WTP installation.

4. Mkt Data Cache

The Market Data Cache is useful for quickly retrieving large amounts of historical volatility, news, and option tick data.

This field contains the name and port (default value: 9010) of the Market Data Cache server.

Prefer Market Data Cache for strikes

Check this box if it is preferable to use the value in the **Mkt Data Cache** field for all strike quotes.

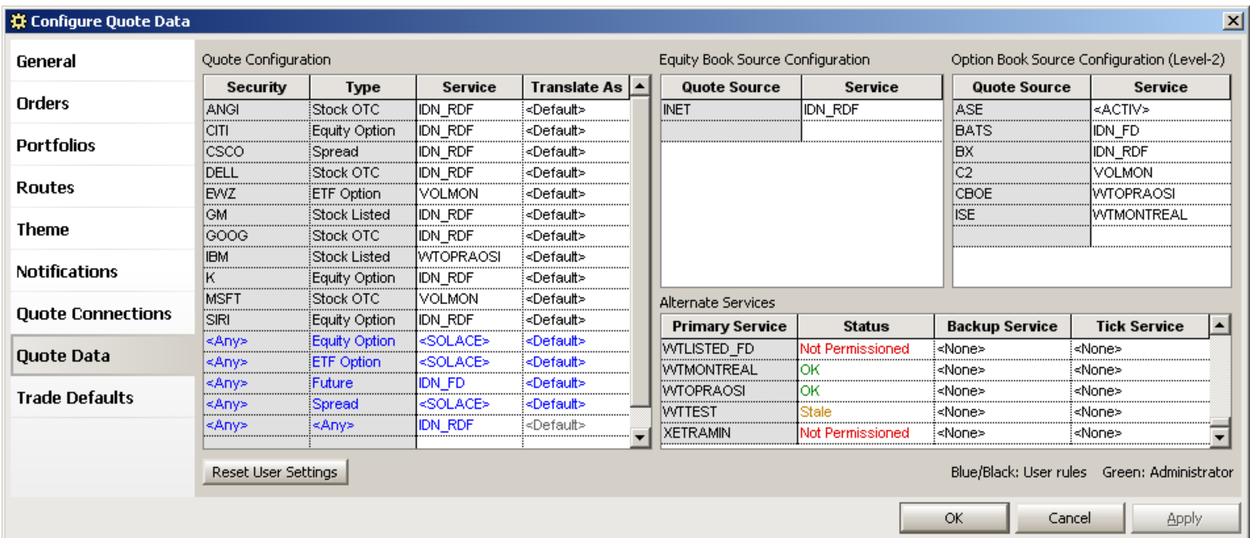
5. Spread Market Data

The Spread Market Data field is a suite of server applications that provide market data for complex strategies. Enter the **host name** in the text field or select one from the drop-down list.

Reset User Settings

Select **Rest User Settings** if default values for Quote Connections is desired. A warning message will appear **"Are you sure you want to reset these configuration settings?"**. Select **Yes** to reset the settings.

Quote Data



The **Quote Data** screen is used to define how WTP requests market data.

Quote Configuration

A security name and type (Stock Listed or Equity Option) are defined. Its **Quote Service** is the Reuters service to use for quote data (based on the security and/or type)

In the **Security** field, a security name is not necessary. To refer to any security, use **<any>**.

Also, wildcard card characters can be used.

Wildcards in the Quote Configuration Table

In the **Security** and **Translate As** fields, wildcard characters can be entered in place of hard-coded characters.

The wildcard characters that can be used are:

***** (matches one or more characters)

? (matches a single character)

Example
In the **Security** field is the value **<any>. Translate As** field, the value entered is ***.0**
This rule will cause a request for any symbol (i.e., MSFT), to be translated as **MSFT.0** in the listed Quote Service.

{1} (refers to the first wildcard character in a string)

{2} (refers to the second wildcard character in a string)

U forces a matched string to uppercase

L forces a matched string to lowercase

Example
In the **Security** field is the following, using two wildcard characters: ***.PR?** (meaning: any security with an extension of **.PR** and one other character)
In the **Translate As** field is the following using wildcard characters: **{1}_p{2L}** (meaning: translate the ***** of the security to read a security name, place an underscore character, the letter "p" and one letter in lowercase)

A request for ABN.PRF will translate as: **ABN_pf**

A request for FCX.PRF will translate as: **FCX_pc**

Equity Book Source Configuration/Option Book Source Configuration

There are some quote sources that are not provided by Reuters. WTP receives this data directly from the exchanges.

The **Quote Source** and **Service** columns define that relationship. The general rule of thumb is that the Quote Source name and Service name are identical (i.e., the Quote Source **BRUT** has a Service name of **BRUT**).

To select a Quote Source and Service:

Type in a name in the Quote Source and Service fields, or select a Quote Source and Service from their respective drop-down lists.

Click **OK** or **Apply** to save your selections, or **Cancel** to exit without saving.

Alternate Services

The Alternate Services table lists service-related settings. The columns are:

- **Primary Service**—The service name whose attributes are displayed on the same row (cannot edit field)

- **Status**—The current status of the primary service. Values for the status column include:

  Not Available—The service is not available from the current Reuters connection

  Inactive—The service is not serving data

  Not Permissioned—The current logged in user does not have permission to view its data

  Stale—The server is presenting data, but it is not guaranteed to be current

  OK—The service is operating normally

- **Backup Service**—If the primary service is unavailable, the backup service will be used.

  To select a backup service, click on the row associated with the primary service, and select a backup service from the drop-down list.

Tick Service—If the primary tick service is unavailable, the backup tick service will be used.

To select a backup tick service, click on the row associated with the primary service, and select a backup tick service from the drop-down list.

Trade Defaults

Security	Type	Buy Side	Sell Side	Qty Default	Show Default	Qty Inc	Price Inc	Price Type	Display Type
AA	<Any>	BUY	SEL	100	100	100	0.01	Limit	Decimal
AAPL	Equity Option	BYO	SLO	100	100	50	20	Market	Fraction
ABC	Spread	<None>	<None>	100	<None>	50	0.05	Market	Decimal
BAC	Spread	<None>	<None>	50	100	100	0.05	Limit	Decimal
CITI	Equity Option	BYC	SLC	200	200	100	20	Market	Tick
CSCO	Stock OTC	BYA	SLA	300	<None>	7	0.01	Limit	Decimal
CVX	Spread	<None>	<None>	100	100	100	0.01	Peg Last	Decimal
DELL	Equity Option	BYO	SLO	100	<None>	200	0.05	Market	Decimal
EWZ	ETF Option	BYC	SLC	100	200	100	20	Limit	Tick
FB	Equity Option	BYA	SLA	200	<None>	100	100	Peg Last	Fraction
GM	Stock Listed	BYC	SLA	100	100	100	0.01	Peg Mid	Decimal
GOOG	Spread	<None>	<None>	100	<None>	100	0.01	Market	Decimal
IBM	Equity Option	BYO	SLO	300	100	200	0.01	Market	Decimal
INTC	Equity Option	BYC	SLC	100	100	100	0.01	Limit	Decimal
K	Equity Option	BYO	SLO	100	200	100	0.01	Bid	Decimal
MSF	Spread	<None>	<None>	200	100	200	0.02	Last	Decimal
MSFT	Spread	<None>	<None>	300	100	100	0.05	Market	Decimal
SIRI	Equity Option	BYO	SLO	100	100	100	100	Market	Tick

Default values such as quantity default, quantity increments, and price increments are defined here.

Set default quantities:

1. Select a **Security** and **Type** by entering the values manually, or select from the drop-down lists.

2. Enter the default quantity.

3. Enter a value in the **Show Default** column. This value defines the show quantity for new orders. If the value is set to **<none>** the show quantity will match the order quantity.

4. Enter a value in the **Qty Inc** field. The value refers to the increment increase each time the Up or Down arrows are selected (in the **Order Ticket** for example).

5. Enter a value in the **Price Inc** field. This defines two things: the increment in which the Up/Down arrows move, and the number of decimal places that will be displayed.

   Example: A value of **0.010** means that prices should increment at one cent at a time, and display up to 3 decimal places

6. Enter a **Price Type** manually, or select one using the drop-down list.

The DISPLAY TYPE Column

In the column **DISPLAY TYPE** select the method for displaying values:

- **Decimal—**Displays values in decimal form.

  Note: The default value **<none>** displays the same as **Decimal**.

- **Fraction—**Displays values in fraction form and works in conjunction with the **Price Inc** column.

  When **Fraction** is selected, choose a denominator value from the **Price Inc** column: **10, 16, 20, 32, 64, 100, 128, 256.**

- **Tick/Half-Tick/Quarter-Tick—**Displays values in Tick form. This display type is setup per the Fraction type above, where a denominator value is selected in the Price Inc column.

IOC and Crossing Trackers

IOC Tracker

The **IOC Tracker** is launched automatically during a live order whenever IOC (**I**mmediate **O**r **C**ancel) routes are selected from the **Order Ticket** (or a WTP applet that has its own order ticket such as **Basket Trader**). Also, the IOC Tracker will launch only for orders that have not been filled immediately.

Default columns **Continue** and **Stop** allow for manipulating live orders:

- Selecting **Continue** forces the tracker to employ the next enabled IOC route and can been seen in the **Last Route** and **Next Route** columns. When the final IOC route has been reached, the Next Route column will display **<none>** indicating that no further routes are available. Selecting Continue at this point will result in the order being removed from the IOC Tracker. Note that the order will still be live if this occurs, and will use the route selected in the order ticket in an attempt to fill the order.

- Selecting **Stop** will cancel an order. If there is more than one order in the IOC Tracker, each order can be selectively stopped without affecting the others.

The IOC Tracker will **not** launch (or will not add an IOC order if already opened) if an IOC order is filled immediately.

Crossing Tracker

The **Crossing Tracker** is launched automatically when a crossing route is selected and a unfilled crossing order is executed from the **Crossing Ticket.** An order that is filled immediately will not launch the Crossing Tracker (or will not be added to an opened Crossing Tracker).

Orders *cannot* be continued to the next route in the Crossing Tracker as they can in the IOC tracker.

Closing the Trackers

Each tracker will close if the **Auto Close** feature is enabled  and all tracking orders have been filled or stopped.

If an attempt is made to close a tracker window while IOC or Crossing orders exist, a warning/confirmation message will display stating that **all** tracking orders will be stopped if the window is closed.

Configuration for the IOC and Crossing Trackers

The configuration for both trackers involves the setting of columns and formatting. Both are described **here**.

List of Functions

The following is a list of all available functions that can be used in the **User Defined Fields** of WTP grids.

MATH FUNCTIONS

STRING FUNCTIONS

LOGIC FUNCTIONS

DATE/TIME FUNCTIONS

MATH FUNCTIONS

@PI()
The value of pi.

@RAND()
A uniform random number on the interval (0,1).

@GRAND
A 12th-degree binomial approximation to a Gaussian random number with zero mean and unit variance.

@ABS(X)
The absolute value of X.

@CEIL(X)
The smallest integer greater than or equal to X.

@EXP(X)
e raised to the X power.

@FACT(N)
The value of N.

@FLOOR(X)
The largest integer less than or equal to X.

@FRAC(X)
The fractional portion of X.

@INT(X)
The integer portion of X.

@ROUND(X, n)
X rounded to n number of decimal places (0 to 15).

@SQRT(X)
The positive square root of X.

@MOD(X, Y)
The remainder of X/Y.

@MODULUS(X, Y)
The modulus of X/Y.

@LNGAMMA(X)
The log base e of the gamma function evaluated at X.

@LOG(X)
The log base 10 of X.

@LOG10(X)
The log base 10 of X.

@LOG2(X)
The log base 2 of X.

@LN(X)
The natural log (base e) of X.

@AVG(...)
The average (arithmetic mean) of its arguments.

@MAX(...)
The maximum of its arguments.

@MEDIAN(...)
The median (middle value) of the range R1.

@MIN(...)
The minimum of its arguments.

@MODE(...)
The mode or most frequently occurring value.

@MSQ(...)
The mean of the squares of its arguments.

@PRODUCT(X, ...)
The product of all the numeric values in the argument list.

@SUM(...)
The sum of its arguments.

@GMEAN(...)
The geometric mean of its arguments.

@HMEAN(...)

The harmonic mean of its arguments.

@RMS(...)
The root of the mean of squares of its arguments.

@SSQ(...)
The sum of squares of its arguments.

@SSE(...)
The sum squared error of its arguments. It is equivalent to **@VAR(...) @COUNT(...)**.

@STD(...)
The population standard deviation (N weighting) of its arguments.

@STDS(...)
The sample standard deviation (N-1 weighting) of its arguments.

@VECLEN(...)
The square root of the sum of squares of its arguments.

@VAR(...)
The sample variance (N weighting) of its arguments.

@VARS(...)
The sample variance (N-1 weighting) of its arguments.

@VSUM(...)
The visual sum of its arguments, using precision and rounding of formatted cell values.

@F(M, N, F)
The integral of Snedecor's F-distribution with M and N degrees of freedom from minus infinity to F.

@ERF(L[, U])
Error function integrated between 0 and L; if U specified, between L and U.

@ERFC(L)
Complementary error function integrated between L and infinity.

@GAMMA(X)
The value of the gamma function evaluated at X.

@SIGMOID(X)
The value of the sigmoid function.

@T(N, T)
The integral of Student's T-distribution with N degrees of freedom from minus infinity to T.

@POLY(X, ...)
The value of an Nth-degree polynomial in X.

@ACOS(X)
The arc cosine of X.

@ASIN(X)
The arc sine of X.

@ATAN(X)
The 2-quadrant arc tangent of X.

@ATAN2(X, Y)
The 4-quadrant arc tangent of Y/X.

@COS(X)
The cosine of X.

@COSH(X)
The hyperbolic cosine of X.

@DEGREES(X)
Converts the angle expressed in radians to degrees ( ).

@RADIANS(X)
Converts the angle expressed in degrees to radians ( ).

@SIN(X)
The sine of X.

@SINH(X)
The hyperbolic sine of X.

@TAN(X)
The tangent of X.

@TANH(X)
The hyperbolic tangent of X.

STRING FUNCTIONS

Note: Arguments for string functions are placed between quotation marks.

@CHAR(N)
The character represented by the code N (ASCII): RETURN TYPE - STRING

@CODE(S)
The ASCII code for the first character in string S: RETURN TYPE - NUMERIC

@HEXTONUM(S)
The numeric value for the hexadecimal interpretation of S.

@NUMTOHEX(X)
The hexadecimal representation of the integer portion of X.

@VALUE(S)

The numeric value represented by the string S; otherwise 0 if S does not represent a number.

@STRING(X, N)
The string representing the numeric value of X, to N decimal places.

@LOWER(S)
S converted to lower case.

@UPPER(S)
The string S converted to upper case.

@TRIM(S)
The string formed by removing spaces from the string S.

@PROPER(S)
The string S with the first letter of each word capitalized.

@CLEAN(S)
The string formed by removing all non-printing characters from the string S.

@LENGTH(S)
The number of characters in S.

@STRLEN(...)
The total length of all strings in its arguments.

@STRCAT(...)
The concatenation of all its arguments.

@LEFT(S, N)
The string composed of the left-most N characters of S.

@MID(S, N1, N2)
The string of length N2 that starts at position N1 in S.

@RIGHT(S, N)
The string composed of the right-most N characters of S.

@REPEAT(S, N)
The string S repeated N times.

@REPLACE(S1, N1, N2, S2)
The string formed by replacing the N2 characters starting at position N1 in S1 with string S2.

@EXACT(S1, S2)
Returns true (1) if string S1 exactly matches string S2, otherwise returns 0.

@FIND(S1, S2, N)
The index of the first occurrence of S1 in S2.

@REGEX(S1, S2)

Returns true (1) if string S1 exactly matches string S2; otherwise returns false (0). Allows "wildcard"' comparisons by interpreting S1 as a regular expression.

LOGIC FUNCTIONS

@FALSE()
The logical value 0.

@TRUE()
The logical value 1.

@ISNUMBER(X)
1 if X is a numeric value; otherwise 0.

@ISSTRING(X)
1 if X is a string value; otherwise 0.

@AND(...)
0 if any arguments are 0; 1 if all arguments are 1; otherwise -1.

@NAND(...)
0 if all arguments are 1; 1 if any arguments are 0; otherwise -1.

@NOR(...)
0 if any arguments are 1; 1 if all arguments are 0; otherwise -1.

@NOT(X)
0 if X=1; 1 if X=0; otherwise -1.

@OR(...)
0 if all arguments are 0; 1 if any arguments are 1; otherwise -1.

@XOR(...)
-1 if any of the arguments are not 0 or 1; otherwise 0 if the total number of arguments with the value 1 is even; 1 if the total number of arguments with the value 1 is odd.

@IF(X, T, F)
The value of T if X evaluates to 1, or F if X evaluates to 0. (equivalent with ternary).

DATE/TIME FUNCTIONS

@NOW
The date/time value of the current system date and time.

@TODAY
The date value of the current system date.

@DATE(Y, M, D)
The date value for year Y, month M, and day D.

@DATEVALUE(S)

The corresponding date value for a given string S.

@TIME(H, M, S)
The time value for hour H, minute M, and second S.

@TIMEVALUE(S)
The corresponding time value for a given string value S.

@YEAR(DT)
The year value of date/time value DT.

@MONTH(DT)
The number of the month in date/time value DT.

@DAY(DT)
The day number in the date/time value DT.

@HOUR(DT)
The hour value (0-23) of date/time value DT.

@MINUTE(DT)
The minute value (0-59) of date/time value DT.

@SECOND(DT)
The seconds value (0-59) of the date/time value DT.

@WEEKDAY(D)
The integer representing the day of the week on which the day D falls. 1 is Sunday, 7 is Saturday.

@DAYS360(S, E)
The number of days between two dates, based on a 30/360 day count system.

@EDATE(S, M)
The date/time value representing number of months (M) before or after start date (S).

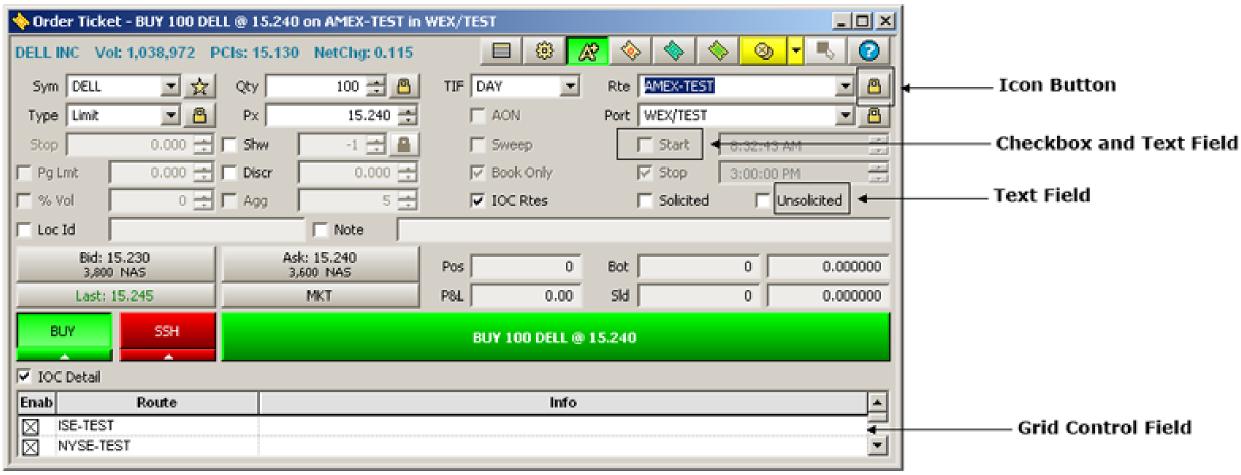
@EOMONTH(S, M)
The date/time value representing the last day of the month M months after S, if M is positive, or M months before if M is negative.

@NETWORKDAYS(S, E[, H])
The number of whole working days, starting at S and going to E, excluding weekends and holidays.

@WORKDAY(S, D[, H])
The day that is D working days after S, if D is positive, or before S, if D is negative, excluding weekends and all holidays specified as dates in range H.

@YEARFRAC(S, E)
The portion of the year represented by the number of days between start date (S) and end date (E).

Ticket Editor

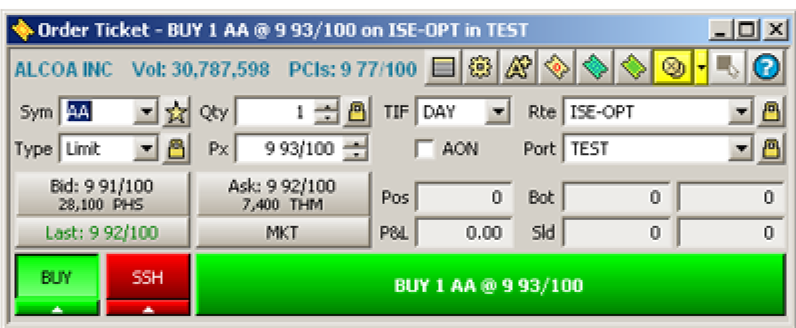


Customize the fields of WTP order tickets with the Ticket Editor.

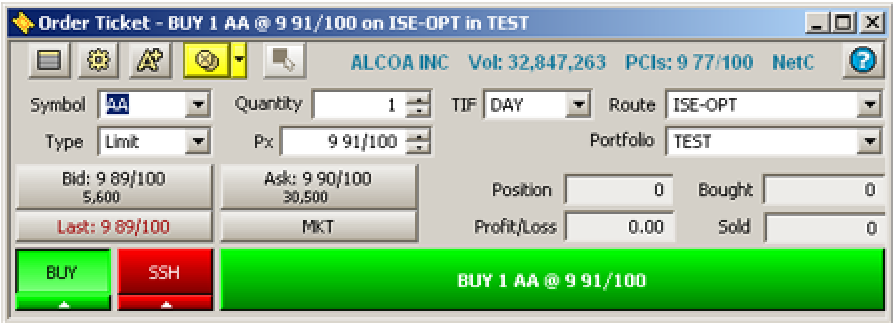
With the Ticket Editor you can:

- Add or delete fields
- Rename and resize fields
- Move and align fields
- Save ticket layouts and apply them to any WTP ticket

Using a few simple commands a standard ticket can be transformed into a customized ticket:



System Default Ticket



Customized Ticket

Place an Order Ticket in Edit Mode

Edit an Order Ticket

Edit a Text Field

Field Controls

Add Controls to an Order Ticket

Save a Ticket Layout

Load a Ticket Layout

Edit a Ticket Layout File

Refresh Ticket Layout

Add a Drop-Down List to an Order Ticket

Revert to Default Ticket Layout

Revert to System Default Template

Place an Order Ticket in Edit Mode

An order ticket must first be placed in Edit mode in order for changes to be made.

For the **Standard Order Ticket, Crossing Order Ticket, Report Trade Ticket, Adjust Position Ticket** and **Stage Ticket:**

Right-click on the ticket and select Edit Ticket Layout.

For Order Tickets in **Spread Ticket, Spread Builder, Equity Quote Cube,** and **Option Quote Cube:**

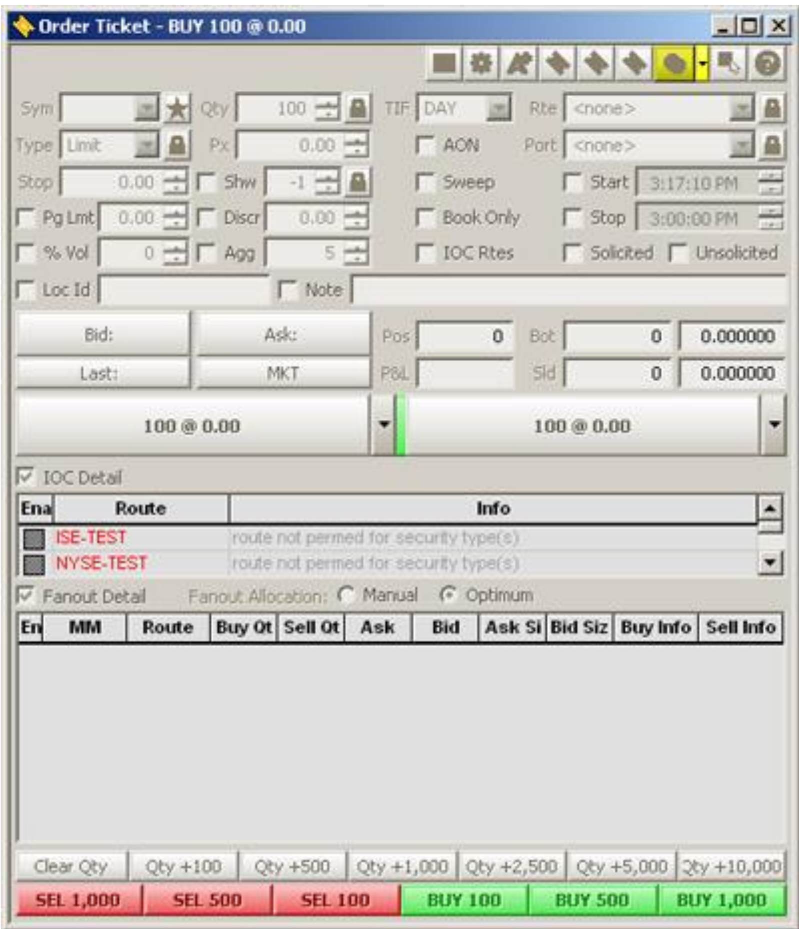
Click on the ticket then select Edit Ticket Layout from the File menu.

Alternate Method:

Right-click on the ticket and select File Commands-->Edit Ticket Layout.

Edit an Order Ticket

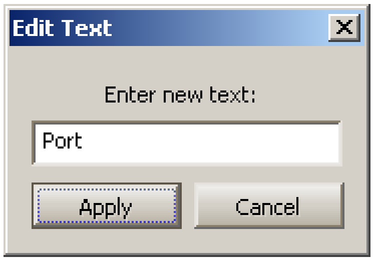
When an order ticket is in Edit mode all controls that can be edited are displayed:



Edit a Text Field

There are two methods to edit a text field.

Double-click on a text field. An Edit Text window will display:



Enter the new text and select Apply.

Alternate Method:

Select a text field. A box will encircle the selected field. In the image below, the Port field has been selected for editing:

Right-click and select Edit... The Edit Text window will appear as above.

Field Controls

Move a Field

Once a field has been selected it can be moved by dragging it with the mouse or using the keyboard's arrow keys.

Resize a Field

Every field can resized horizontally. Select a field and grab the left or right handles of the field and drag the mouse to the desired size.

Note 1: Icon fields and grid control fields can have their width *and* height resized.

Note 2: Though icon fields can be resized, the icons themselves cannot be changed.

Delete a Field

A field can be deleted using the delete key or by right-clicking on the text field and selecting Delete.

Note: Any deleted field can be placed in an Order Ticket again using the **Add Control** feature.

Select Multiple Fields

Multiple fields can be selected. The fields can then be aligned, moved, or deleted.

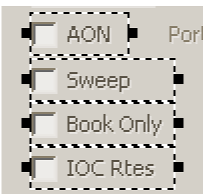
Select multiple fields by holding down the ctrl key and click on each field to be manipulated.

Align Fields

Multiple selected fields can be aligned left, right, top, or bottom.

1. Select the fields that are to be aligned.
2. Right-click and select Align --> Align left, Align right, Align top, or Align bottom.

In the first image below, four text fields have been selected.



After selecting Align --> Align Right the fields are right-aligned:

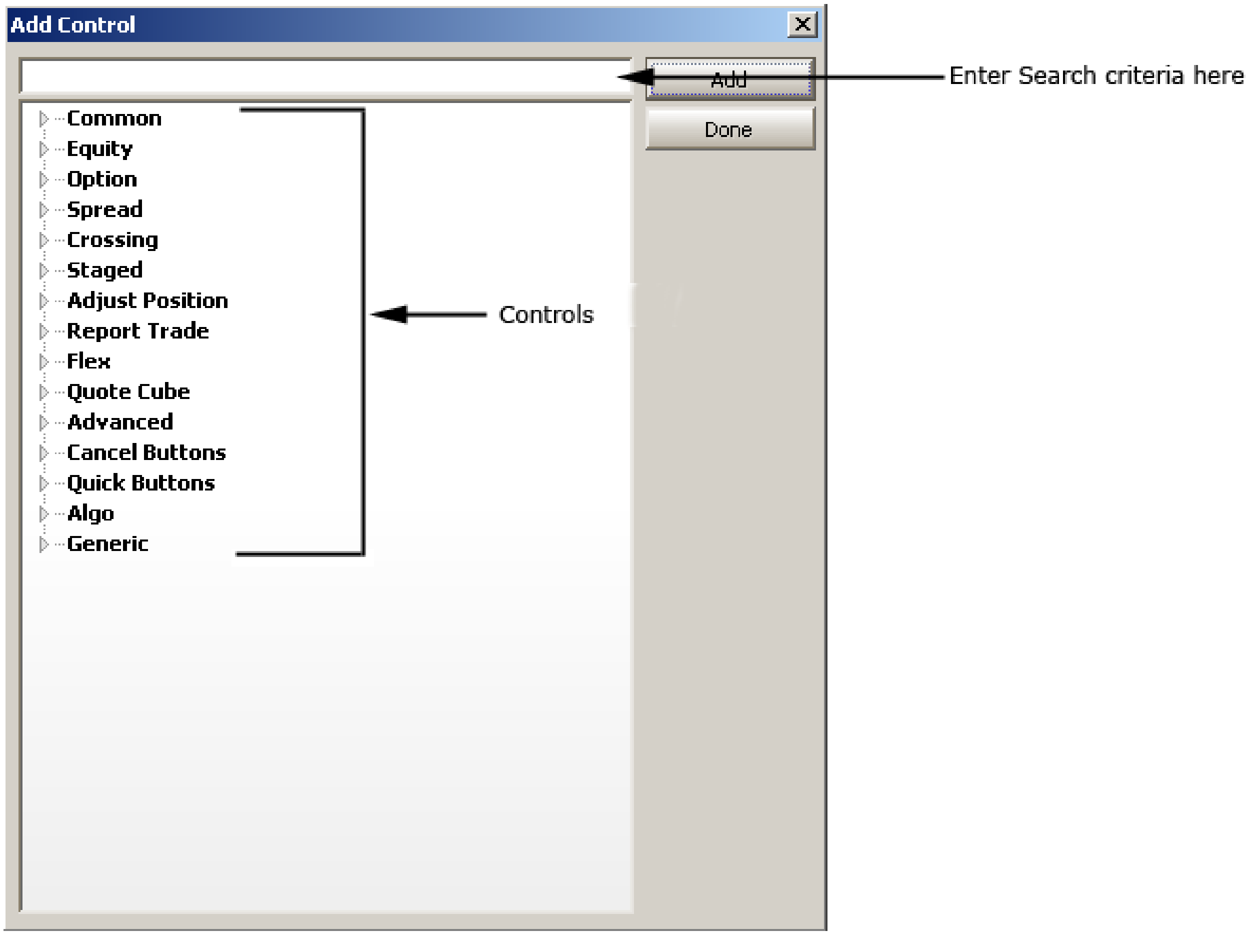
Note 1: Text field alignment results in the fields being aligned, not the text within those fields. If it desirable to align the text, resize each text field so there is no space around the text, then issue an alignment left or right command.

Note 2: The align top command aligns the tops of all selected fields. The align bottom command aligns the bottoms of all the selected fields.

Add Controls to an Order Ticket

Controls (i.e., fields) can be added to order tickets.

In edit mode, right-click anywhere in an order ticket and select **Add..**. The **Add Control** window lists controls by category:



Double-click on a control category (or click on the **+** symbol) to display the controls for the category.

The controls that are not currently on the order ticket are listed in **boldface**.

To add controls to an order ticket:

Double-click on a control

Alternate Methods:

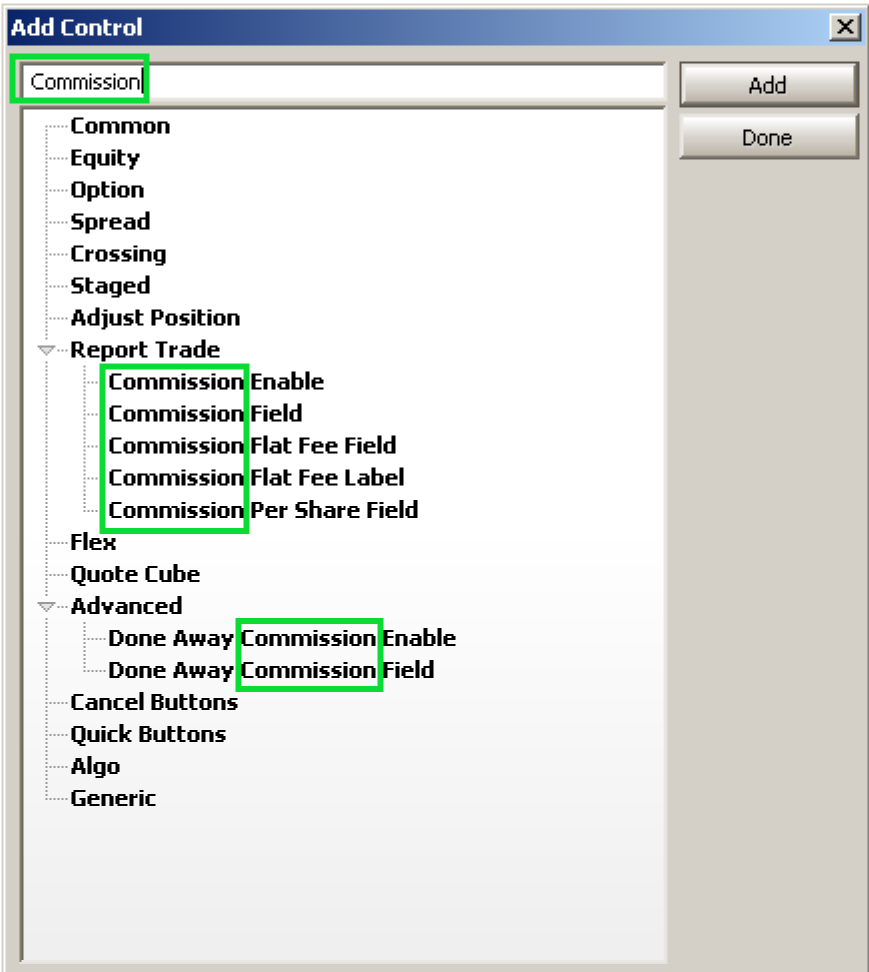
- Select a control and press **Add**.
- Select a control and drag it to the desired position on the order ticket.

Multiple controls can be selected with the **ctrl** key and placed in an order ticket. Controls will display in a cascading fashion as they are added to an order ticket.

Note 1: Any control that was previously deleted from an order ticket will be listed in boldface in the Add Control window and can be re-inserted.

Note 2: The list in the Add Controls dialogue contains every control from all tickets, not just the controls supported by the current ticket. Some controls are only supported on certain tickets.

Search for Control Names



Search results are displayed on a character-by-character basis as each character is entered in the search field (see search field above). Also, search results are displayed within the control category in which they reside. In the example above, the word "Commission" is found under two control categories, "Report Trade" and "Advanced".

Save a Ticket Layout

A ticket layout can be saved as a text file (.txt).

Save a ticket layout without exiting Edit mode:

Right-click on the order ticket and select Save Layout As...

The **Save Ticket Layout As...** window will display:

Enter the ticket name and press **Browse**. A new window will open allowing you to select a desired location for the layout file. Once the location has been selected, press Save on the **Save Ticket Layout As...** window.

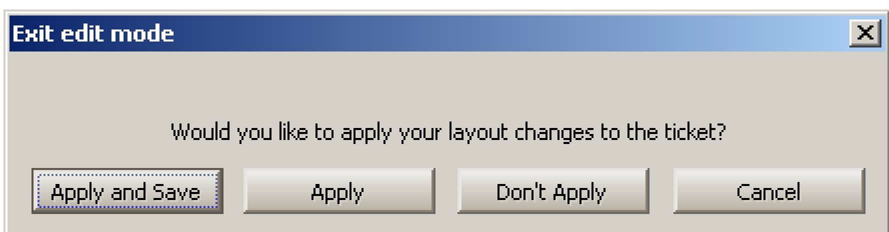
Note: If a ticket name is not entered before Browse is selected, it can be named when a folder/drive is selected.

Alternate Method:

Enter the ticket name and press **Save**. The ticket layout will be saved in your system's default folder/drive.

Apply changes from Edit mode:

1. Right-click on the order ticket and select **Exit Edit Mode**. The Exit edit mode confirmation window displays:



2. Select one of the following:

   Apply and Save—Exit edit mode, apply all layout changes to the current ticket, and save the ticket as the default template.

   Apply—Exit edit mode, apply all layout changes to the current ticket, but do not save it as the default template.

   Don't Apply—Exit edit mode, do not save any layout changes and do not modify the default template.

   Cancel—Return to edit mode without saving any changes.

Note: If Apply was selected, the edited ticket layout can still be saved as the default template with the following command:

For the **Standard Order Ticket, Crossing Order Ticket, Report Trade Ticket, Adjust Position Ticket** and **Stage Ticket**:

Right-click on the ticket and select **Save as Default Template**.

For Order Tickets in **Spread Ticket, Spread Builder, Equity Quote Cube,** and **Option Quote Cube**:

Click on the ticket then select **Save as Default Template** from the File menu.

Alternate Method:

Right-click on the ticket and select **File Commands-->Save as Default Template**.

Load a Ticket Layout

There are a couple of methods for loading a ticket layout, depending on the ticket being edited and whether the ticket is already in edit mode.

Load a Ticket Layout When Not in Edit Ticket Mode:

For the **Standard Order Ticket, Crossing Order Ticket, Report Trade Ticket, Adjust Position Ticket** and **Stage Ticket**:

Right-click on the ticket and select **Load Ticket Layout**.

For Order Tickets in **Spread Ticket, Spread Builder, Equity Quote Cube,** and **Option Quote Cube**:

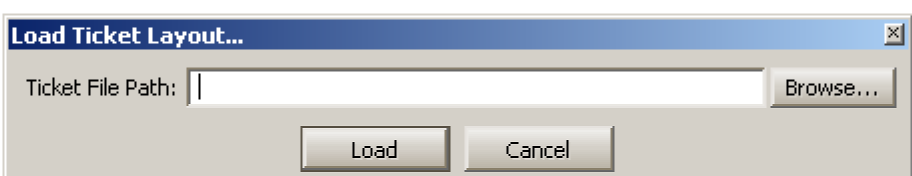
Click on the ticket then select **Load Ticket Layout** from the File menu.

Alternate Method:

Right-click on the ticket and select **File Commands-->Load Ticket Layout...**

Load a Ticket Layout When in Edit Ticket Mode:

Right-click on an order ticket in edit mode and select **Load Layout...** The **Load Ticket Layout...** window displays:



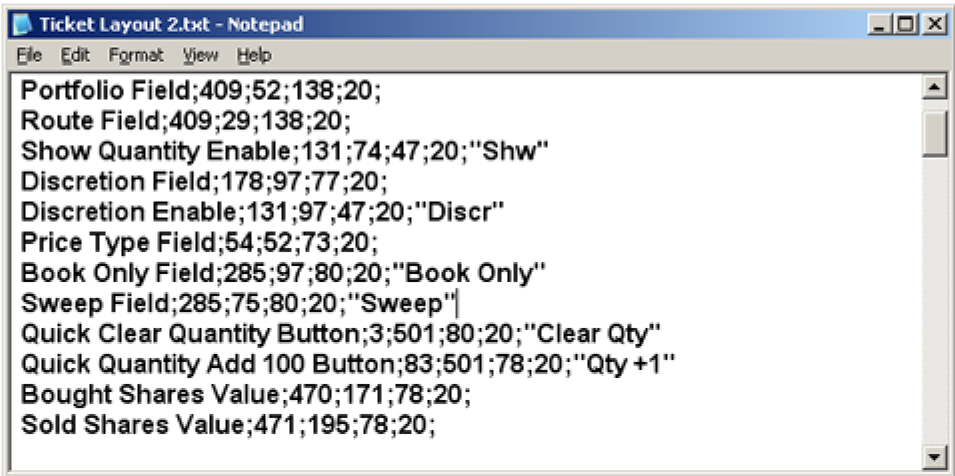
If the path and order ticket name are known they can be entered in the text field. Press Load to load the ticket layout.

Otherwise, press the Browse key and select the file from the appropriate folder or drive.

Once a ticket layout file is selected, press the **Load** button.

Edit a Ticket Layout File

Although it is recommended to edit a ticket layout using the ticket editor function, the ticket layout file can be manually edited in **Notepad** or other text editing programs.



Ticket Layout 2.txt - Notepad

File Edit Format View Help

```
Portfolio Field;409;52;138;20;
Route Field;409;29;138;20;
Show Quantity Enable;131;74;47;20;"Shw"
Discretion Field;178;97;77;20;
Discretion Enable;131;97;47;20;"Discr"
Price Type Field;54;52;73;20;
Book Only Field;285;97;80;20;"Book Only"
Sweep Field;285;75;80;20;"Sweep"
Quick Clear Quantity Button;3;501;80;20;"Clear Qty"
Quick Quantity Add 100 Button;83;501;78;20;"Qty +1"
Bought Shares Value;470;171;78;20;
Sold Shares Value;471;195;78;20;
```

Each line in the ticket layout file contains (left to right):

- Field name
- X position
- Y position
- Width
- Height
- Display text (applies to labels, checkboxes, and radio buttons)

Refresh Ticket Layout

If a ticket layout was edited in a text editing program (as above), the order ticket will need to be refreshed in order to display your changes.

To refresh a ticket layout:

For the **Standard Order Ticket, Crossing Order Ticket, Report Trade Ticket, Adjust Position Ticket** and **Stage Ticket**:

Right-click on the ticket and select **Refresh Ticket Layout**.

For Order Tickets in **Spread Ticket, Spread Builder, Equity Quote Cube,** and **Option Quote Cube**:

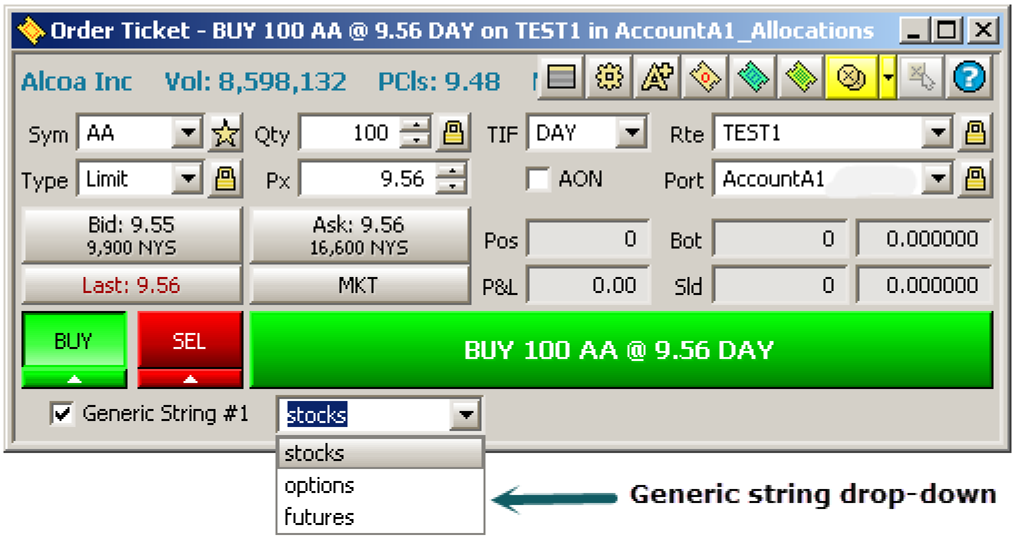
Click on the ticket then select **Refresh Ticket Layout** from the **File** menu.

Alternate Method:

Right-click on the ticket and select **File Commands-->Refresh Ticket Layout**.

Note: The Refresh Ticket Layout command will only refresh the currently loaded layout.

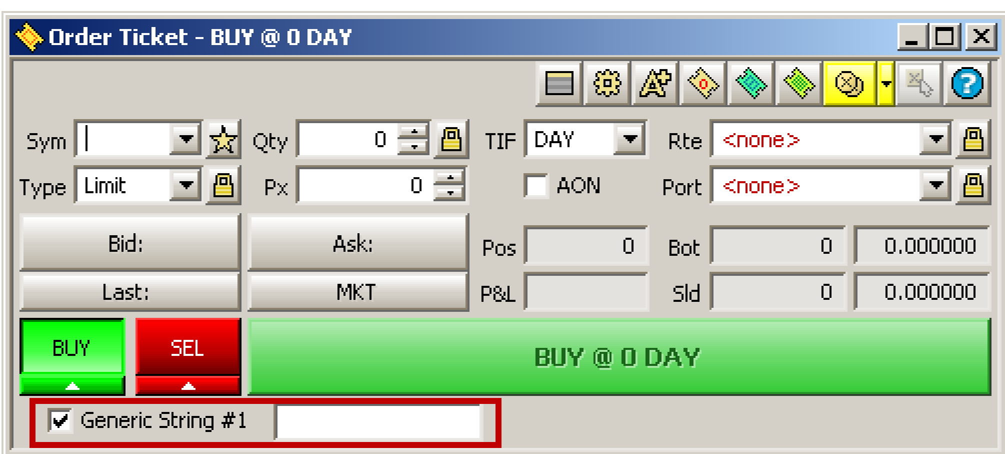
Add a Drop-Down List to an Order Ticket



Generic string controls can be added to the **Order Ticket** that result in a drop-down list of configurable values. These values are stored in a text file associated with the order ticket.

To add generic string controls with configurable values:

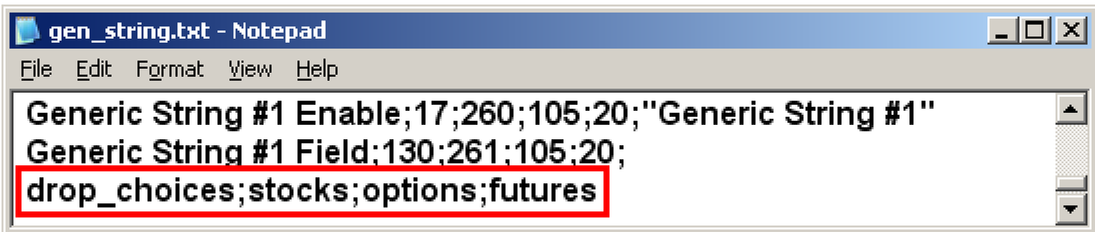
1. Add the controls **Generic String # Enable** and **Generic String # Field** to the Order Ticket:



2. Save the Order Ticket to a .txt file by right-clicking on the ticket and selecting **Save Current Layout As...**

3. Open the .txt file and add the values that will appear in the drop-down list. The list of values must be proceeded with **drop_choices;**

Use the semi-colon as a delimiter between selections as seen below:



4. Load the .txt file into the Order Ticket:
   Launch the Order Ticket.

   Right-click on the ticket and select **Load Ticket Layout**.
   Select the .txt file that was previously saved.

5. The Order Ticket will now feature the drop-down list.

6. The new ticket layout can be saved as the **default template**.

The **Order Grid** can be configured to display the generic value associated with an order. Add the **Generic String** column using the **Field Chooser**.

Revert to Default Ticket Layout

A customized ticket layout can be reverted to the default version of the ticket. The default ticket layout will be effective only until the ticket is closed. When an order ticket is re-launched, the ticket layout that was previously saved as the default will be loaded.

To revert to the default ticket layout:

For the **Standard Order Ticket, Crossing Order Ticket, Report Trade Ticket, Adjust Position Ticket** and **Stage Ticket**:

Right-click on the ticket and select **Revert to Default Ticket Layout**.

For Order Tickets in **Spread Ticket, Spread Builder, Equity Quote Cube,** and **Option Quote Cube**:

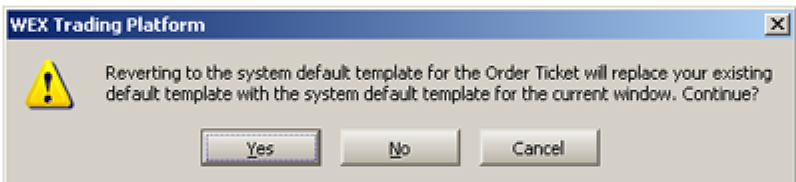
Click on the ticket then select **Revert to Default Ticket Layout** from the **File** menu.

Alternate Method:

Right-click on the ticket and select **File Commands-->Revert to Default Ticket Layout**.

Revert to System Default Template

A ticket layout saved as a default template can be reverted to the system default version of the ticket. Once this occurs, the system default ticket will be one that is displayed whenever an order ticket is launched. When issuing the **Revert to System Default Template** command, a warning/confirmation message displays:



To revert to the System Default Template:

For the **Standard Order Ticket, Crossing Order Ticket, Report Trade Ticket, Adjust Position Ticket** and **Stage Ticket**:

1. Right-click on the ticket and select **Revert to System Default Template**.

2. Select **Yes** to revert to the system default template.

For Order Tickets in **Spread Ticket, Spread Builder, Equity Quote Cube,** and **Option Quote Cube**:

1. Click on the ticket and select **Revert to System Default Template** from the **File** menu.

2. Select **Yes** to revert to the system default template.

Alternate Method:

1. Right-click on the ticket and select **File Commands-->Revert to System Default Template**.

2. Select **Yes** to revert to the system default template.

Workspaces

The applets that appear on the desktop when WTP is started is known as the **workspace.** The workspace can be configured and saved as a **.wtp** file.

Reasons To Save A Workspace

Applets that are regularly used can be saved as a workspace. When WTP is opened, a previously saved workspace can be opened.

There are a number of reasons to save a workspace:

- Regular trading in Options, Equities, or Futures require those type of applets to be displayed.
- Market trends need to be followed with applets such as Quote Grid and Option Sector Viewer.
- Spread trading, market making, and other types of managed orders are routinely accessed.
- News headlines relating to owned or traded stock symbols are regularly tracked.

Save a Workspace

When a workspace is saved, every applet that is currently displayed will be saved.

To Save a Workspace:

1. Go to the Session column and select **Save Workspace**. A "Save Workspace" window will open.
2. Move to the folder where the workspace will be stored.
3. Enter a filename for the workspace. By default the workspace will be saved with a **.wtp** extension.

Save a Workspace As

An open workspace can be saved as another name.

Follow the same steps as **Save a Workspace**. If the workspace is saved as an existing one, a confirmation window will ask if the workspace is to be overwritten.

Note: A workspace need not be saved as a .wtp file.

New Workspace

The **New Workspace** option will clear the currently loaded workspace, but not before querying you whether or not to save the current workspace.

Recent Workspaces

Select **Recent Workspaces** for a list of the saved workspaces. Click on the desired workspace to load it.

WTP FAQ

The questions on this FAQ page reflect those regularly received by technical support.

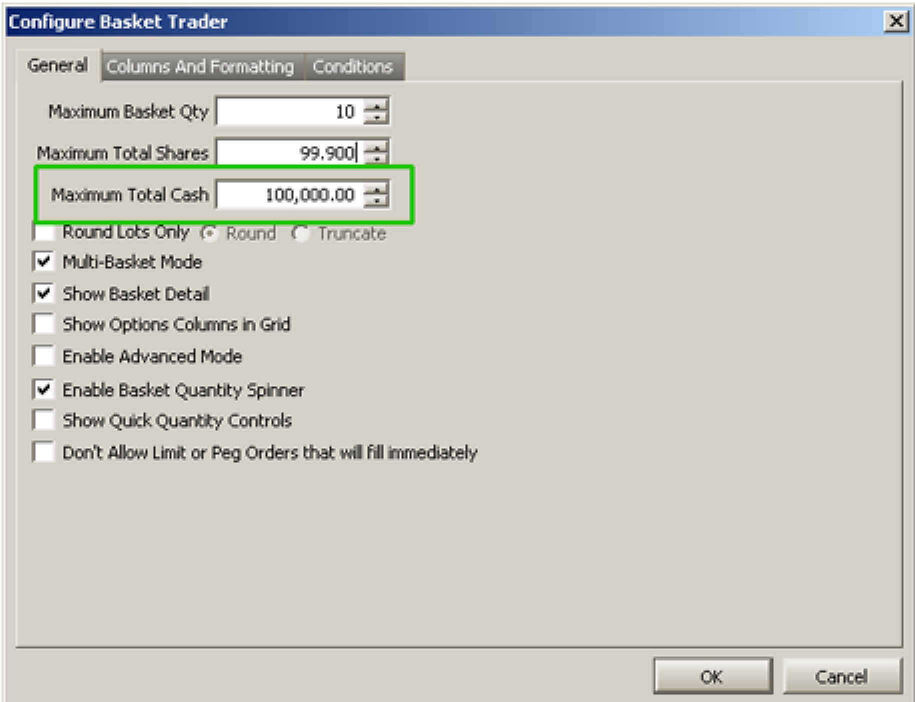
Feel free to contact WEX technical support with WTP questions or issues not covered here.

WTP Applets	General Information
Basket Trader **Basket Rejected—Is there a setting that needs to be changed?** **What's the easiest way to drop a vector of positions into the grid?** **Does execution start immediately?** **What is the format for an option order?** **Can I have Buy and Sell orders in the same basket?** **Chart Viewer** **How do I get real time data in the charts?** **What are the various technical indicators in charts?** **Equity Quote Cube** **How do I lock SLA?** **In the Equity Quote Cube and Option Quote Cube tickers, what do the identifiers in the EXTRA column refer to?** **Global Configuration** **How do you add a specific sound for an event** **How do I disable a notification?** **Managed Orders** **For a Spread Trader, how can I see the average spread of my Executed Orders?** **How can I increase vol levels by more than one percent at a time** **How do I change the firm when creating a new managed order**	**How do I make my WTP windows have a title bar so they can be selected and dragged?** **How can I see the trade details from the prior day?** **What are the bandwidth requirements for a Radianz line?** **What do the messages mean in the WTP Toolbar?** **Can the tabs in grids be moved to the bottom of the grid or to the side of the grid?** **What is window snapping?** **Can I have Toggle Symbol Tracking enabled between two WTP applets only?** **The "Send To" feature seems to open the wrong app** **When sending out orders via IOC routes, I often don't see the IOC tracker. Why is that?** **In a grid, how do I remove the decimals in a column?**

Basket Trader

Q: I received a Basket Trader message: **"Basket rejected: exceeds maximum total cash 100,000.00. No orders have been sent."** Is there a setting that needs to be changed?

A: Open the **Configuration** window in Basket Trader. Set the **Maximum Total Cash** field to a higher value.



Q: I'm looking to run a few test orders through Basket Trader. What is the easiest way to drop a vector of positions into the grid?

A: From the **File** menu select Open Basket (or right-click in Basket Trader and select **File Commands-->Open Basket**). Import the .bbk file that has been created.

Q: Does Basket Trader support Bloomberg symbology?

A: No.

Q: Once the basket is loaded, does execution start immediately?

A: No, the order has to be submitted first via the **Buy** or **Sell** buttons.

Q: What is the format for an option order?

A: Type, Security, Expiration year/month, Strike Price, Option Price, Route, Portfolio): **BYO 1 DELL DELL 1108 C13 @ 2.71 on "*route name*" in "*portfolio name*"**.

Q: Can I have Buy and Sell orders in the same basket?

A: Yes. If the Basket will be used to "BUY" securities, change the Weight Value of a stock that is to be sold to a negative number.
In the example below two symbols (C and CAT) will be placed in the basket, where CAT is a buy order and C is a sell order of 100 shares each. The Weight of symbol C is -100.00 and weight of CAT is 100.00:

When Buy is selected, the confirmation window displays the orders:

Conversely, if the basket will be used to SELL securities, a negative weight value will be considered a BUY order.

Chart Viewer

Q: How do I get real time data in the charts?

A: In **Chart Viewer**, data reporting can be set for increments as small as one minutes. Currently, there is no tick-by-tick data reporting.

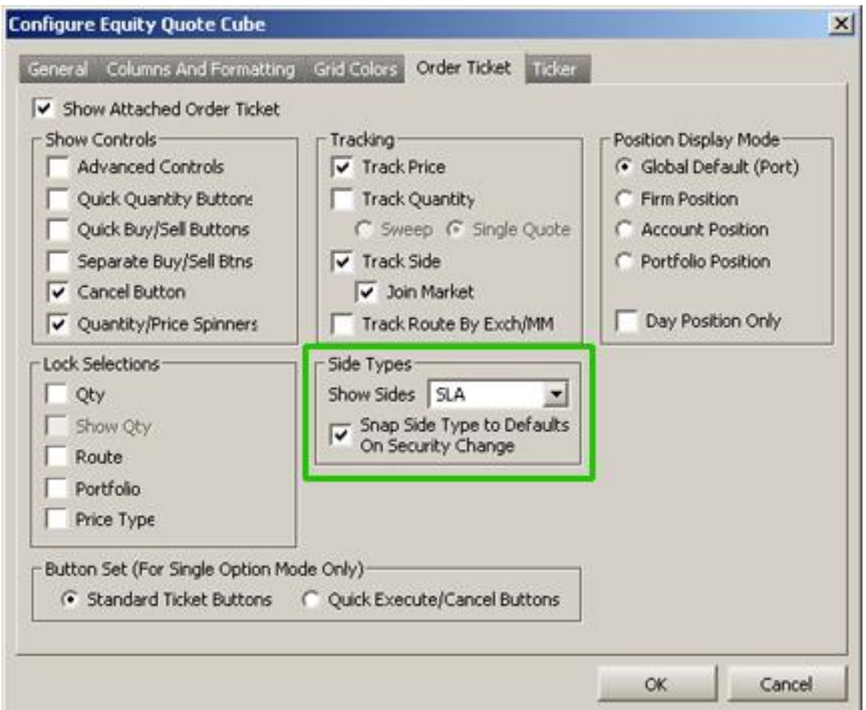
Q: What are the various technical indicators in charts?

A: The technical indicators that can be used in Chart Viewer along with their definitions can be found **here**.

Equity Quote Cube

Q: In the Equity Quote Cube's Order Ticket, how do I lock SLA (Auto Sell)?

A: Check **Snap Side Type to Defaults on Security Change** in the Quote Cube Order ticket and set up your default side types in **Global Configuration**.



Q: In the Equity Quote Cube and Option Quote Cube tickers, what do the identifiers in the EXTRA column refer to?

A:

REGULAR Regular Sale

CANC Cancel Previously Reported Transaction

LATE Transaction is being reported late

CNCO Cancel Opening Transaction

OPEN Opening Trade. Late Report. Out of Sequence

CNOL Cancel Transaction that is the only one reported

OPNL Opening Trade. Late report

AUTO Regular Sale: Electronic Execution

REOP Regular Sale: Reopening

AJST Regular Sale: terms adjusted to reflect a stock dividend, split, etc.

SPRD Regular Sale: Spread

STDL Regular Sale: Straddle

STPD Sale at a price agreed upon by the floor personnel involved

CSTP Cancel stopped transaction

BWRT Regular Sale: option portion of a buy/write

CMBO Regular Sale: Buying of a call and selling of a put

SPIM Execution of an order which was stopped at a price that did not constitute a Trade-Through at a time of a stop

ISOI Intermarket Sweep Order execution

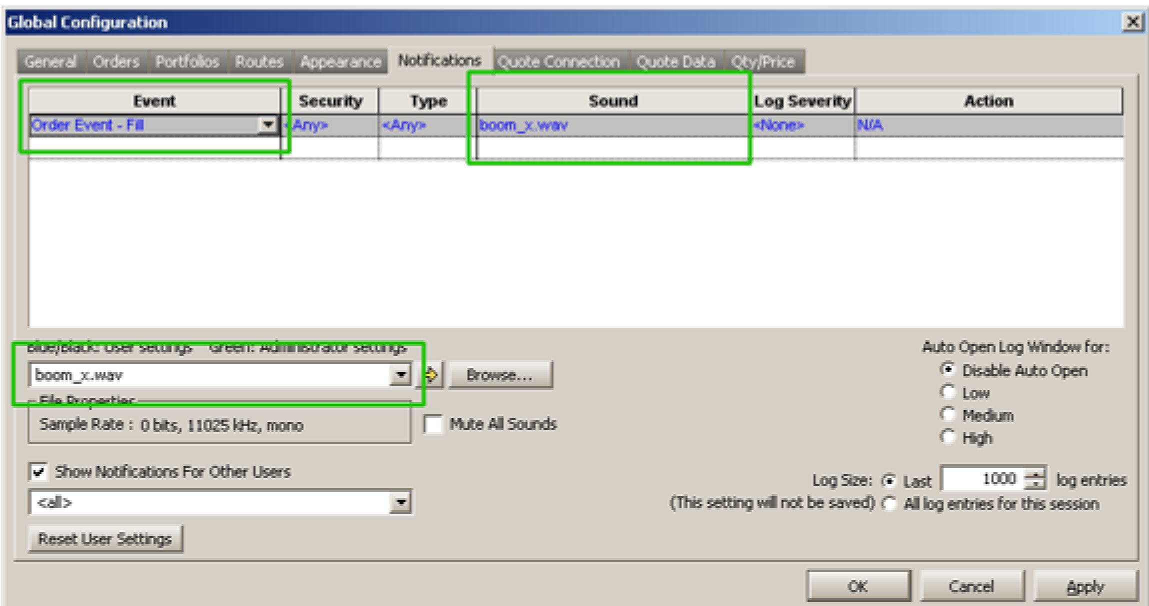
BNMT Benchmark Trade execution

XMPT Regular Sale: Trade Through Exempt

Global Configuration

Q: How do you add a specific sound for an event (for example: "an order is filled")?

A: In the **Global Configuration** window, go to the **Notifications** tab. From the drop-down list, select the event to launch a notification. Select the sound to play when the event has been accomplished.



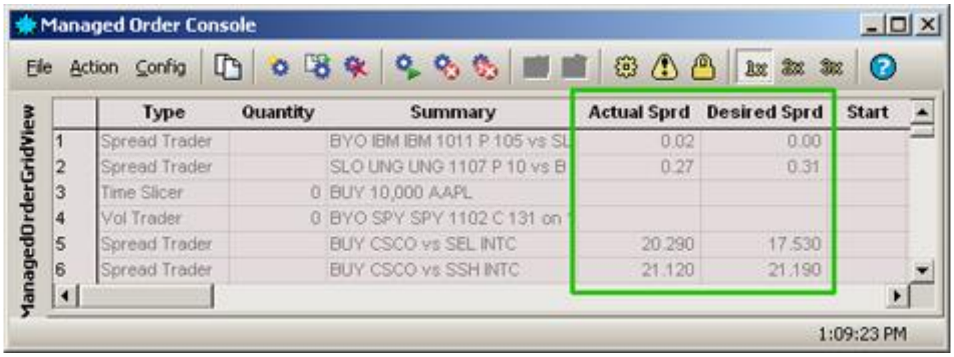
Q: How do I disable a notification?

A: Currently there is technically no way to disable a notification without deleting the notification. However, by setting the sound to **<None>**, setting the Log Severity to **<None>** and setting the Action to **<None>** (or **N/A** if there is no Action available) the notification will effectively be disabled.

Managed Orders

Q: For a Spread Trader, how can I see the average spread of my Executed Orders?

A: In the **Managed Order Console** add the columns **Actual Sprd**:



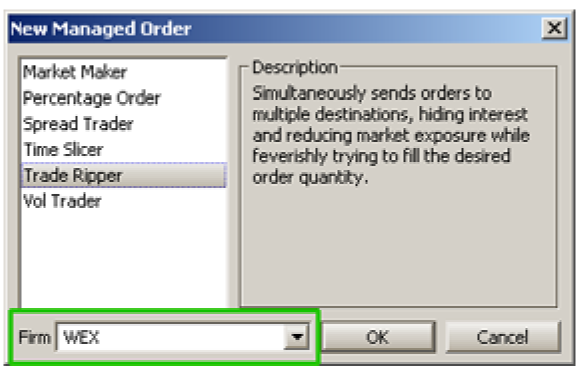
Q: How can I increase **vol levels** by more than one percent at a time?

A: In the **Configure Managed Order Console** window, enter the desired vol increment in the **Vol % Increment** field.

Q: How do I change the firm when creating a new managed order?

A: Assuming that there is more than one firm name from which to choose *and* you have the permission to make the change:

1. Right-click on the Managed Order Console.
2. Select **New Managed Order Choose Type and Firm**.
3. Select a different firm from the drop-down list:



Q: What does it mean when, in a spread order, I add a value in the **Px** (price) field and press the **"C"** button?

A: The "c" stands for **credit** ("d" for **debit**). This is how much you wish to receive. If debit is selected, this is the amount you wish to be charged (or debited).

Q: When I execute an order on **Spread Trader**, am I subject to leg risk?

A: Spread Trader sends out each leg of the order individually so there is always the possibility of leg risk. However, the configuration and safeguards of Spread Trader determine the amount of leg risk.

Q: What does **Stop Loss** mean in Spread Trader?

A: The stop loss is the amount of ticks that you would allow your spread to move before executing a market order to hedge the legged portion of your spread.

Q: How can I prevent stalled messages (due to lagged market data) in my **Vol Trader** orders?

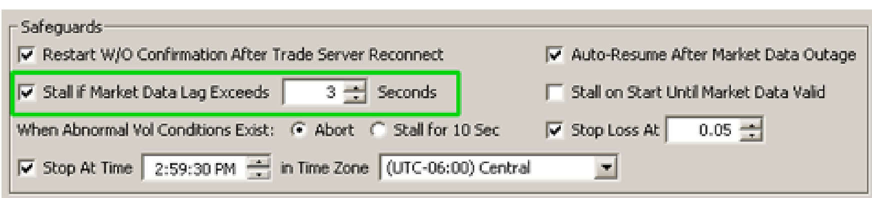
A: In **Vol Trader** select **Safeguards**. Check the box and enter a higher value in the **Stall if Market Data Lag Exceeds** field.

Q: How does Vol Trader calculate the volatility?

A: Voltrader calculates the volatility dependent on the stock side. If you're **buying** stock, it will use the offer of the stock price. If you're **selling** stock (as part of the vol order) it will use the bid price.

Q: Why am I seeing market data lag in the Managed Order Console?

A: For managed orders, it is recommended to set the market data lag value between 3 and 5 seconds. A lower value can cause the market data lag.



Option Quote Cube

Q: Can I see the book depth in the **Option Quote Cube**?

A: In the **Config** menu select **Show Detailed Quotes**. Quote Detail data is displayed at the bottom-right of the window:

Q: I've lost my depth of book and cannot see the stacked bids and offers. What must be configured?

A: In **Global Configuration** go to the **Quote Data** tab. Under **Option Book Source Configuration (Level-2)** be sure to add the following:

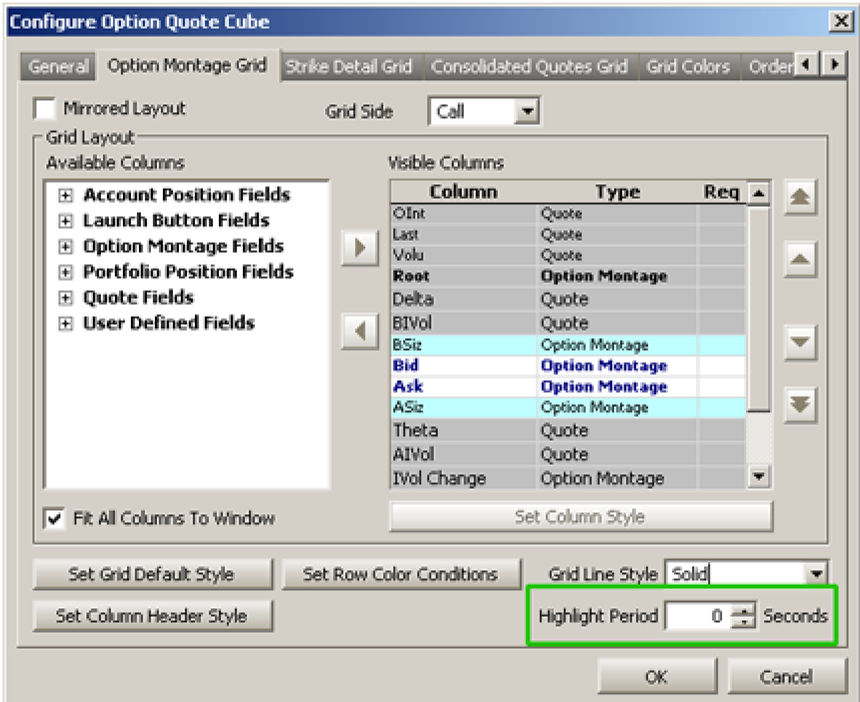
Quote Source	Service
ISE	ISEOPT
PSE	NYSEOPT

Q: How do I launch a volatility graph?

A: Once a symbol has been selected, press the **Show Volatility Chart** icon:

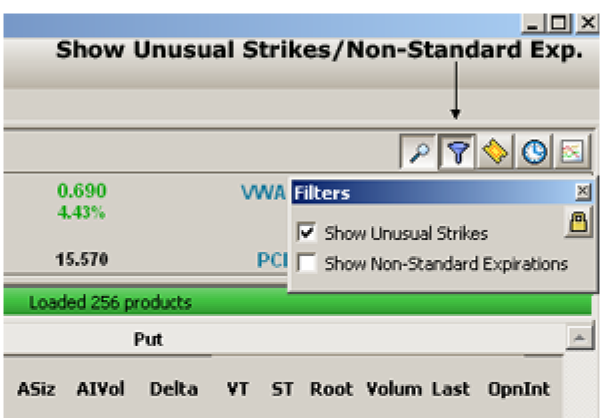
Q: How do I turn off the flashing every time a price movement occurs in the montage grid?

A: Open the **Configure Option Quote Cube** window and go to the **Option Montage Grid** tab. At the bottom of the window is the **Highlight Period** field. To disable the flashing of price movements in the montage grid, set the value to **0 seconds**.



Q: How can I view non-standard expirations?

A: The options to **Show Non-Standard Expirations** and **Show Unusual Strikes** are available by selecting the **Show Montage Filters icon** (upper right corner) of the Equity Quote Cube. When selected, the **Filters** window displays. Make your selection(s) in this window. To close this window, click anywhere in the Equity Quote Cube. To keep this window open, select the lock icon. It will remain open as long as the Equity Quote Cube is open.



Order Grid

Q: How do I add/change tabs in the Order Grid?

A: See the **Tabs in Grids** page for a detailed explanation.

Q: I see options and stocks lumped together. Is there a better way to view stocks or options separately?

A: You can create tabs and customize the tab to display only the desired data.

1. Right-click on an existing tab and select **Create New Tab**.

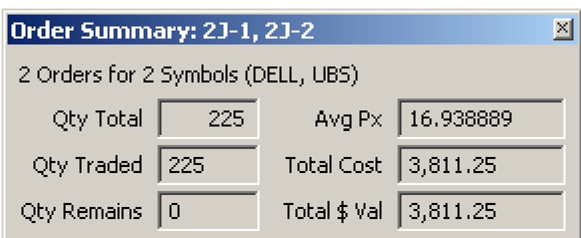
2. Enter a name in the **Tab Name** window.

3. Open the **Configure Order Grid** window and select the content to be displayed.

After creating and naming your tabs, open the **Order Grid Configuration** and configure the **Order Sec(urity) Type** filter as desired. For Event Grids, configure the **Event Sec(urity) Type**.

Q: When I have several orders in one name how can I quickly get an average of some but not all?

A: Highlight the selected fills of those in which you have an interest. Right click and select **Show Order Summary**:



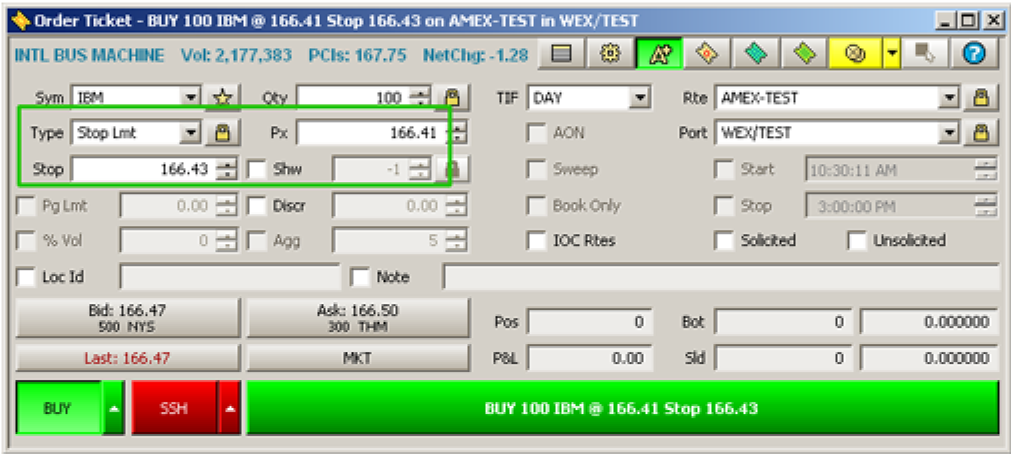
Q: How do I see the total number of contracts traded for the day?

A: Right-click on the column head for the column **Traded** and select **Show Total**. The total will be placed below the last row in the **Traded** column.

Order Ticket

Q: How do I enter stop orders?

A: In **Advanced Mode** select the price type to **Stop Mkt** or **Stop Lmt**. For **Stop Mkt** orders, enter a stop price in the **Stop** field. For **Stop Lmt** orders, enter both the stop price *and* the limit price in the **Px** field.



Q: Do the position fields in the Order Ticket refer to the total position or the amount executed during the current day?

A: By default, the position fields display the total portfolio position for the day, which includes position loads and adjustments. However, the **Order Ticket Configuration** has a configuration option titled **"Day Position Only"** which causes the position fields to display the position for only the day's executions.

Position Grid

Q: In the Position Grid are columns **Position** and **Position Exec**. What is the difference?

A: The **Position** column displays the total position for the day, which includes position loads and adjustments. The **Position Exec** column displays the position of only the current day's executions.

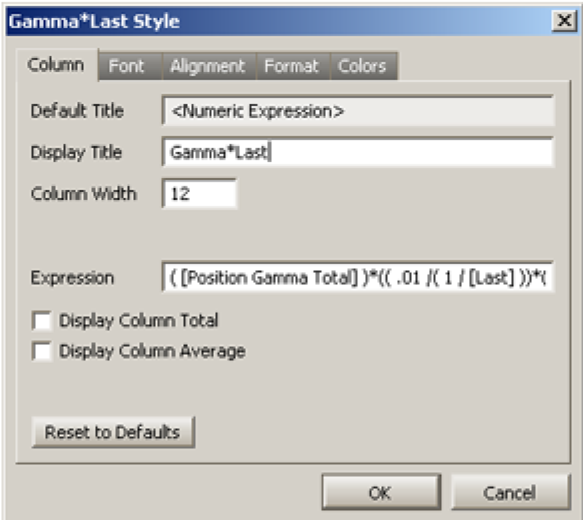
Q: How do I create a custom column with the formula **Gamma * (.01/(1/last price)) * Last Price**?

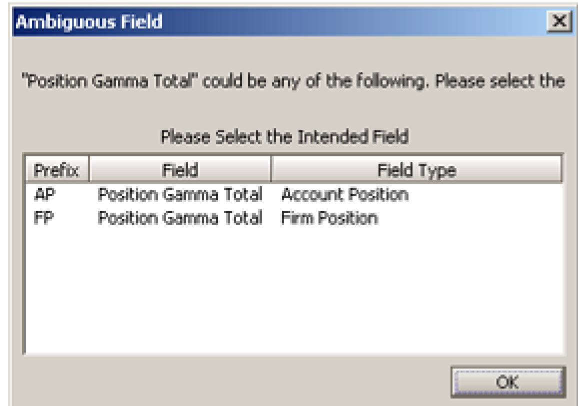
A: First, determine whether you want to use **Position Gamma Total** or **Position Gamma Exec**. **Position Gamma Total** is calculated using the total position which includes the day's executions as well as position loads and adjustments. **Position Gamma Exec** is calculated using the executed position which is only the executions for the current day.

Next, insert a **Numeric Expression column** into the Position Grid. **<Numeric Expression>** is located under **User Defined Fields**. Set the title of the field to something descriptive, like **Gamma*Last**.

For the expression, enter the following: **[Position Gamma Total]*[Last]*(.01/(1/[Last]))** (Position Gamma Exec and Position Gamma Total are interchangeable depending on what you want to see).

If you encounter the Ambiguous Field Dialog choose the Field Type that corresponds to the Position you wish to see (Portfolio, Account, or Firm).





Save your template as the default. Go to **File --> Save as Default Template**.

Once the column is in your Position Grid you may revise the fields at any time by right clicking over the column **--> Set Column Style**.

After each change, save your template as the default. Go to File **--> Save as Default Template**.

Additional information on inserting columns into grids can be found **here**.

Quote Grid

Q: How do I set up a color highlight in Quote Grid when a new low/high or 52-week low/high is reached?

A: Right-click on any column head in the Quote Grid and select Add Color Condition. Enter the following conditions:

Highlight a new low/high for a 52-week time period:

This expression can also be written as:
[Last] = [Yr Low] = 1
[Last] = [Yr High] = 1

Highlight a new low/high for today:

Note: Both color conditions defined above can be combined in a single color conditions table.

Spread Builder/Spread Book

Q: In Spread Builder, is there a method to place spread orders on hold to be executed at a later time?

A: No. To configure spreads to be executed at a later time, it is best to use **Spread Viewer**.

Q: Does the bid/ask represent the national best bid/offer or by exchange?

A: By default, the **bid** and **ask** represents the national best bid or offer of all exchanges. To view these values by exchange, use the **Quote Dialog**.

Q: How can I view the complex order book?

A: The **Spread Book** is the complex order book. In **Spread Builder** and **Spread Ticket** the Spread Book can optionally be shown by selecting the spread book icon .

Q: When viewing the spread book inside Spread Builder, I noticed that there were negative bid values and negative ask values. How is that possible?

A: Negative numbers imply **credits**. A bid of -0.30 indicates that the user wants to collect a $0.30 credit. If the user wanted to pay the offer, they would only collect a $0.20 credit. Using this convention, the spread book displays the $0.30 credit as the bid (since the user would be working the bid and it wouldn't execute immediately) and the $0.20 credit as the ask (as the user would execute immediately).

Q: Can a contingency be set in Spread Builder so that a spread order is canceled when the stock price moves?

A: No, there is no such safeguard.

Q: Can a list of names be copied from a spread sheet and entered in the Spread Book at one time?

A: Yes. This can be done with **Spread Viewer** and **Spread Basket Trader**.

Q: What is the difference between Spread Builder and Spread Trader?

A: **Spread Trader** trades **two products** (two stocks, two options, one option/one stock) with the goal that the change in one security affects the other. **Spread Builder** allows for the creation of **multi leg spread orders of the same security** where a leg can either be an Option or an Equity.

Q: Which Spread Types are available in Spread Book?

A: The various spread types available for viewing in Spread book are defined **here**.

Spread Ticket

Q: When I execute an order on the Spread Ticket, am I subject to leg risk?

A: No. When using **Spread Ticket**, all orders will be sent as a bundle to the exchange. Therefore, there will be no leg risk with these trades.

General Information

Q: How do I make my WTP windows have a title bar so they can be selected and dragged?

A: If the title bar is missing, the windows are **pinned**. To unpin WTP windows press the **F12** key. Alternately, you can select **unpin windows** from the WTP toolbar/Workspace Management.

Even without a title bar, pinned windows can still be selected and dragged.

Q: How can I see the trade details from the prior day?

A: Go to www.tradewex.com/reports_v13/Login.aspx. Enter your current trading logon and password and fill out all relevant information.

Q: What are the bandwidth requirements for a Radianz line?

A: An *average* client, watching an option chain, equity level 2 screen, and 100 equity items will consume a steady 64Kb per users with bursts (at the open/close or when moving between products) of up to 256Kb.

A *high-end* index client, watching the Russell, QQQQ and SPY options, and the NASDAQ 100 will consume a steady 100Kb per user, with bursts of 300Kb. Radianz typically carves out the line in 1Mb increments (1Mb = 1000Kb). Radianz also typically charges about $1000/Mb. Approximately 5 users can be handled over a 1Mb line. A recommendation for 20 users would be about a 4Mb or 5Mb line.

Q: What do the messages mean in the WTP Toolbar?

A: From left to right:

New Notifications—A notification event that was set in Global Configuration has been achieved. Double-click on New Notifications to read the notification.

New Messages—A message from Instant Messenger has been received. Double-click on New Messages to view Instant Messenger.

Executing Managed Orders—The number of managed orders currently being worked. Double-click on Executing Managed Orders to open the Managed Order Console.

Trader Server: (connected/not connected)—A status message indicated whether or not a server connection exists. Double-click on the Trade Server message to open the Connection window to see the status. From this window you can disconnect from the trade server, or adjust the network configuration.

Quotes—The status of market data feeds are displayed here. If all quotes are permissioned, the status will be Quotes: OK. If one or more quotes is not permissioned, the quotes indicator will display in red the number of these quotes and the number of quotes that are OK. Double-click on Quotes to display the market data status and determine which quotes are non-permissioned.

xxxx.x ms—This value reflects the latency (the round-trip ping time) to the order server. If green, this indicates a generally fast ping time. If yellow or red, there may be an issue with network congestion.

Q: Can the tabs in grids be moved to the bottom of the grid or to the side of the grid?

A: Yes. Right-click on any tab and select **Configuration**. From the Configuration window select the **Format** tab. Select one of the alignment options for the tabs and click **OK**.

Q: What is window snapping?

A: Window snapping causes one window to butt against another window (i.e, "snap" together) when both are in close proximity.

To enable/disable window snapping, select the option from the **Workspace Management** menu from the WTP toolbar.

Q: Can I have **Toggle Symbol Tracking** enabled between two WTP applets only (Equity Quote Cube and Order Ticket, for example) while ignoring other WTP applets?

A: No. You cannot define Toggle Symbol Tracking to work with only selected applets. Once enabled, Toggle Symbol Tracking will respond to symbol changes in all WTP applets.

Regarding to two applets only, you can use the **Connections feature**. With this feature, a connection is be made between selected applets and will ignore all unselected WTP applets regardless of their symbol changes.

Q: Why is it that when I select two or more securities from a grid (Quote Grid, for example) and use the **send to** feature and select **Order Ticket**, the **Spread Ticket** opens instead?

A: This is by design. Selecting one security from a grid and employing the send to feature will open the applet that is expected (in this case, the Order Ticket). However, when selecting more than one security WTP will act as if a spread order is being requested. The security that will appear in the Spread Ticket is the one in which the send to feature was clicked on, i.e., if three securities are highlighted in a grid, the one selected security when issuing the **send to** command will be the one in the Spread Ticket.

The best use of the **send to** feature for multiple securities would originate from the Option Quote Cube. Selecting multiple options and sending them to the Order Ticket will open the Spread Ticket with all the selected options in place.

Also, sending two or more securities from a grid and sending them to the Basket Trader will place the securities in the app as expected.

Q: When sending out orders via IOC routes, I often don't see the **IOC tracker**. Why is that?

A: The IOC tracker is not an applet per se. It's designed to appear only when there are issues routing an IOC order. If an IOC order is sent and the IOC tracker doesn't open, you can assume the order has been sent without any problems.

Q: In a grid, how do I remove the decimals in a column?

A: Right click over the specific column and choose **Set Column Style**. Select the **Format** tab and change the decimal places to 0.

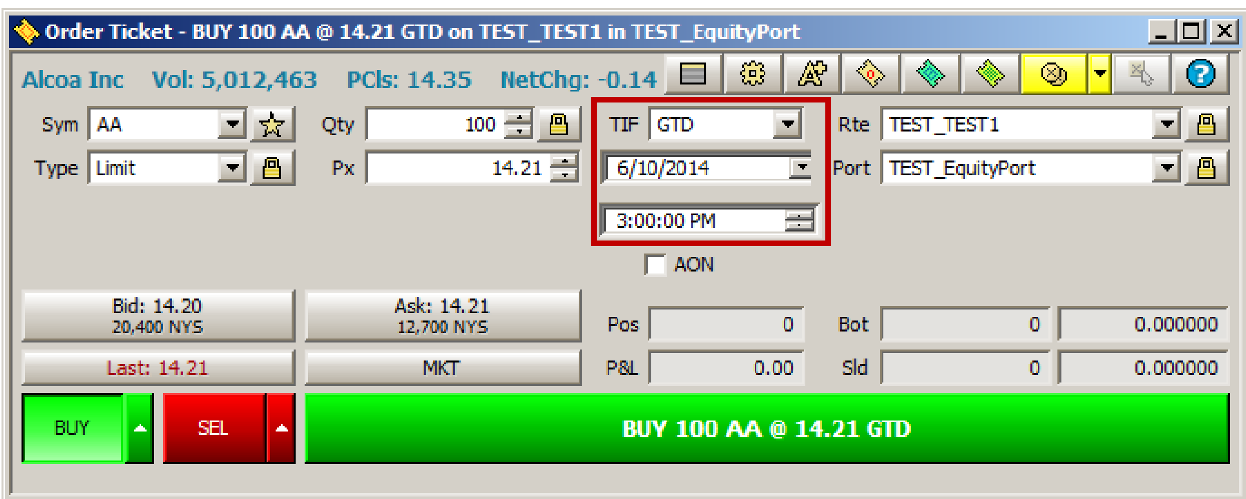
Release Notes

13.4.72.0

June, 2014

- [New Time-In-Force Selection: GTD (Good Till Date)]
- [GTC (Good Till Canceled) Now Available for Staged Orders]
- [Bust Allocations in Allocator]
- [Allocator Change: "Normal" Mode to "All"]
- [Print Topic Button Added to Help Tool Bar]

New Time-In-Force Selection: GTD (Good Till Date)



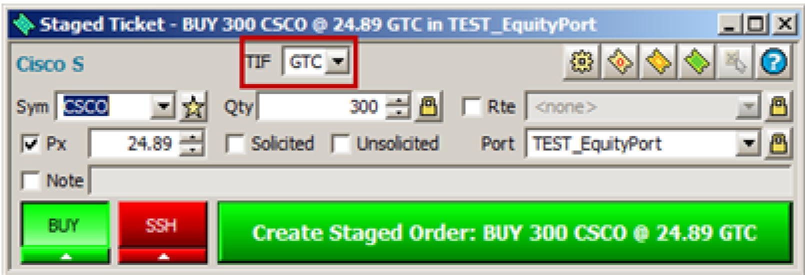
New TIF selection GTD *(Good Till Date) with Date and Time controls*

A new time-in-force selection, **GTD**, allows a user to define a date when an unfilled order will be canceled. Optionally, a time selection can be appended to a selected date. If a time selection is not made, the unfilled order will be canceled at midnight of the day *after* the chosen date (for example, a GTD of 6/10/2014 will cancel the order at midnight on 6/11/2014).

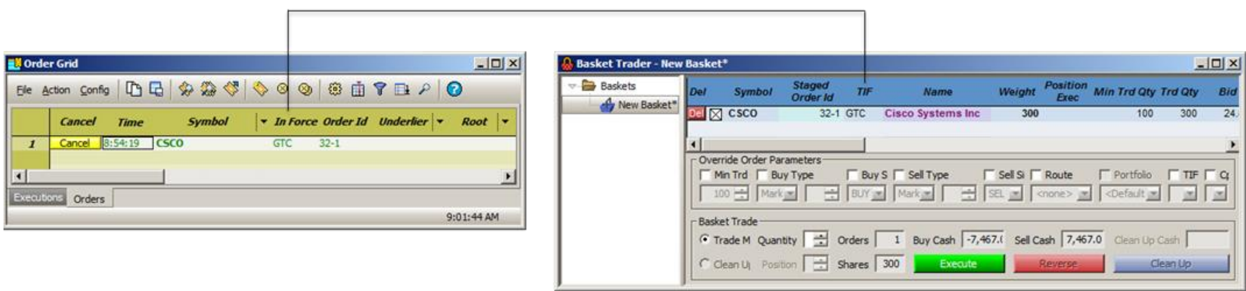
The required **GTD Expire Date Field** and optional **GTD Expire Time Field** controls are added with the **Ticket Editor**.

The GTD values can be displayed in the **Order Grid.** Add the **In Force** and **GTD Expiration** columns with the **Field Chooser**.

GTC (Good Till Canceled) Now Available for Staged Orders



Staged Order Ticket with TIF of GTC



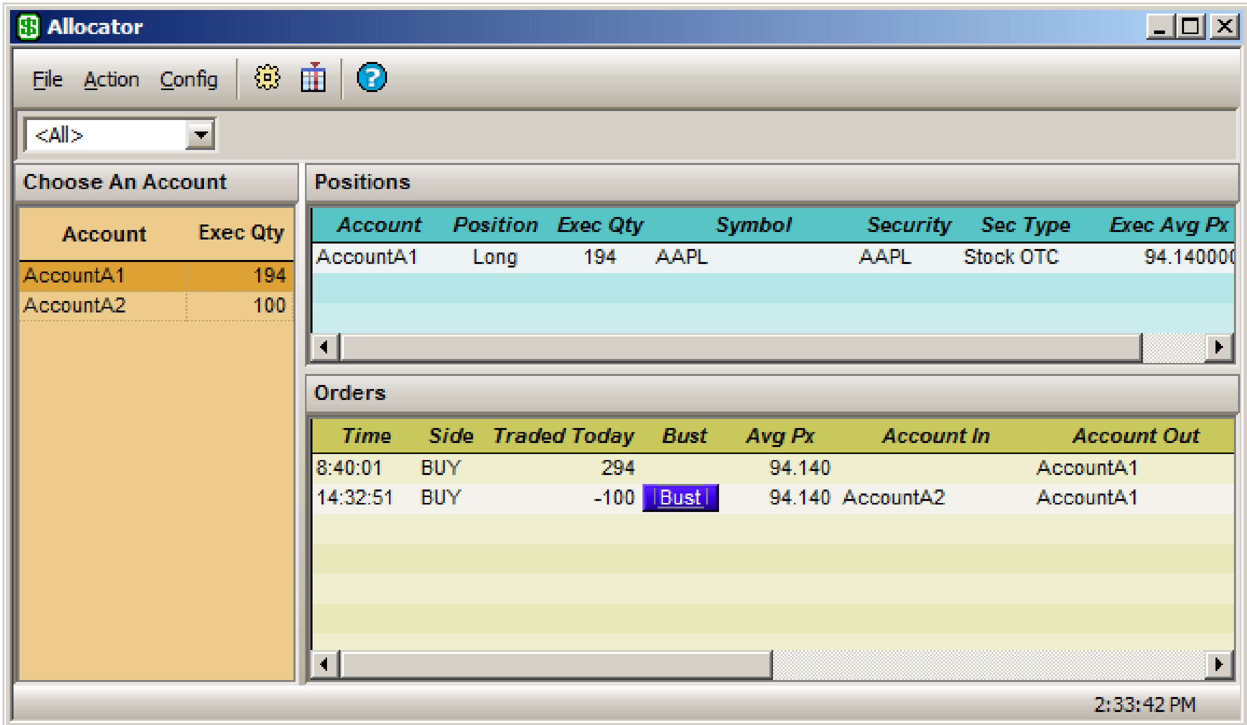
Staged Order in Order Grid sent to Basket Trader

The time-in-force selection **GTC** (good till canceled) can now be used for staged orders on the Staged Order Ticket. If a staged order is sent from the Order Grid (via the "send to" command) to another WTP app, the time-in-force is inherited from the staged order.

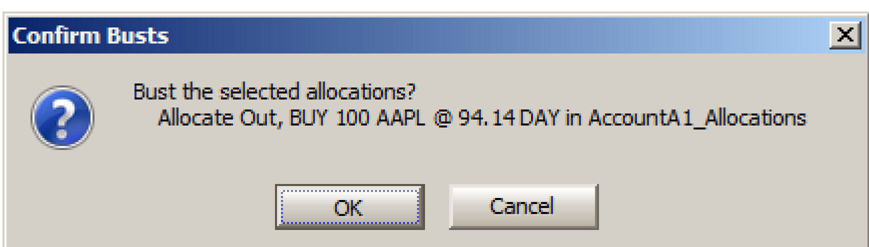
If no TIF is defined, the default value "Day" will be used.

Add the TIF control to a Staged Order Ticket using the **[Ticket Editor](#)**.

Bust Allocations in Allocator



An allocated order is selected and issued a Bust *command.*



Confirmation dialog launches confirming the Bust *command*

One or more allocated orders can be busted in **Allocator**. In the image above, 100 shares were allocated from AccountA1 to AccountA2.

The 100-share allocation can be busted (note the availability of the Bust button).

1. Select one or more allocations to be busted in the **Orders** section of the Allocator window.

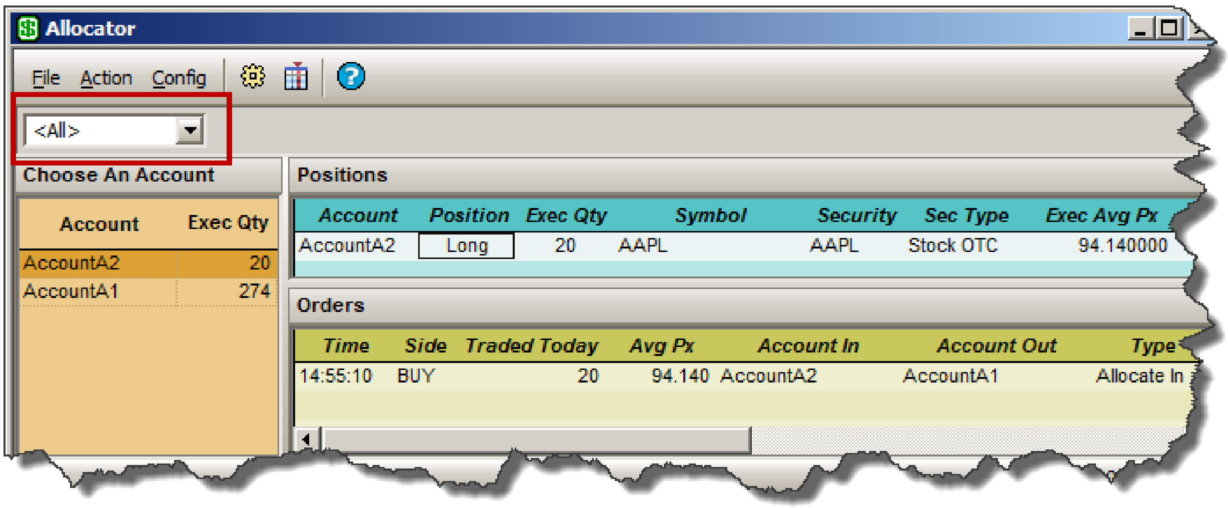
2. Press the "Bust" button. A conformation dialog launches.

3. Select OK to bust the selected allocation(s).

Once allocations are busted, they are removed from the grid.

Add the Bust button to the Orders grid in Allocator with the **Field Chooser**.

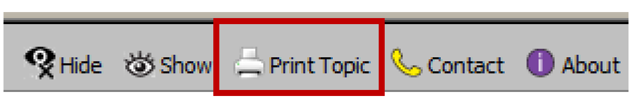
Allocator Change: <Normal> Mode to <All>



The selection in the Allocator drop-down list formerly identified as **<Normal>** (displaying both Cmta and Omni accounts) has been changed to **<All>**.

There is no change in function.

Print Topic Button Added to Help Tool Bar



A **Print Topic** button has been added to the Help tool bar.

When viewing a Help page containing hidden text, press the Print Topic button to reveal the hidden text and launch the Print dialog window.

Only the Print dialog will launch if Print Topic is selected on a page without hidden text.

13.4.71.0

May, 2014

There were no new WTP features in this release.

13.4.70.0

May, 2014

- New Help Page "Import Samples"
- New Buttons Added to WTP Help

New Help Page "Import Samples"

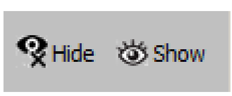
A new Help page titled **Import Samples** displays three different scenarios:

- CSV File imported into Spread Basket Trader
- CSV File imported into Spread Agent
- CSV File imported into Vol Trader

Included in this page are the source Excel and Import files.

The **Import Samples** page is found under **Advanced Concepts.**

New Buttons Added to WTP Help



Two new buttons have been added to the WTP Help toolbar:

1. **Show**—Open all hidden drop-down text on the current page.

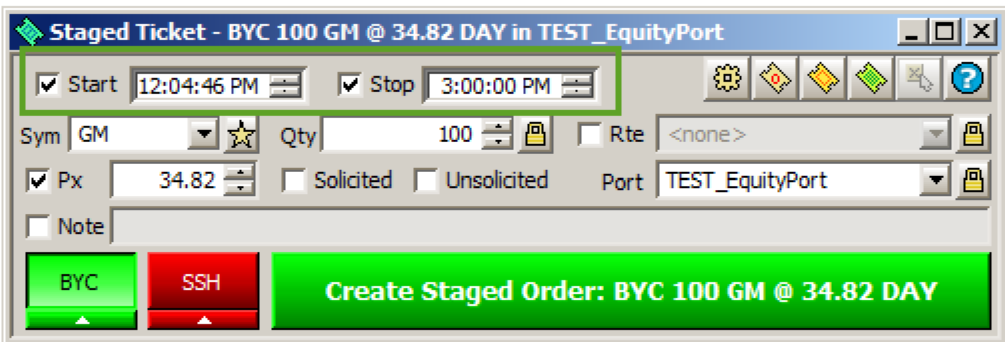
2. **Hide**—Hide all content that is currently displayed.

13.4.69.0

April, 2014

- [Start/Stop Times Now Available in the Staged Order Ticket]
- [Progress Bar Added to the Order Grid]
- [Warn When Canceling an Order Owned by a Managed Order]

Start/Stop Times Now Available in Staged Order Ticket

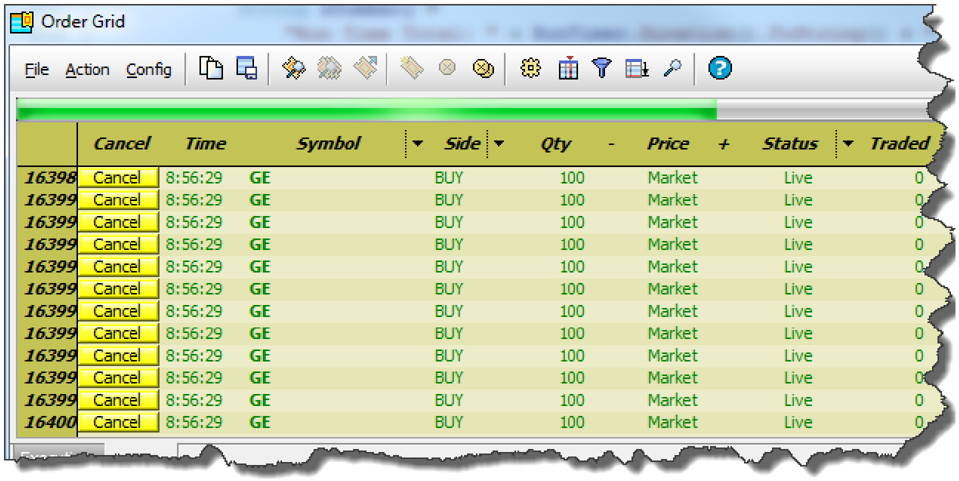


Start time and Stop time controls are now available in the **Staged Ticket**. The controls are found in the **Advanced** category.

Add the Start/Stop controls using the **Ticket Editor** function.

Progress Bar Added to the Order Grid

Progress Bar



Long delays have been experienced when opening an **Order Grid** with a large number of orders. Individual orders could not be accessed until the grid was completely populated. These delays have been eliminated.

The Order Grid now populates in the background and displays a **Progress bar** as orders fill the grid. Orders displayed in the grid can be accessed while the grid populates.

Warn When Canceling an Order Owned by a Managed Order

In **Release Notes 13.4.64.0** it was reported that a warning message is issued when attempting to cancel or modify a live managed order.

With this release, a warning message will be issued only when attempting to **cancel** a live managed order. No such warning will be issued when attempting to modify a live managed order.

13.4.68.0

March, 2014

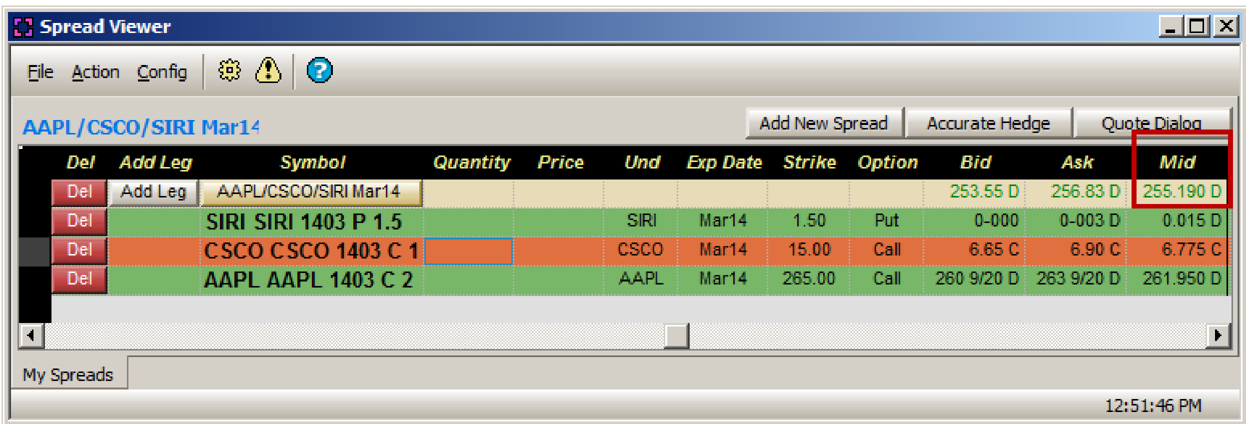
There are no new WTP features/improvements in this release.

13.4.67.0

March, 2014

- Spread Viewer "TV" Grid Field Changed to "Mid"
- New Buttons Added to Help Toolbar

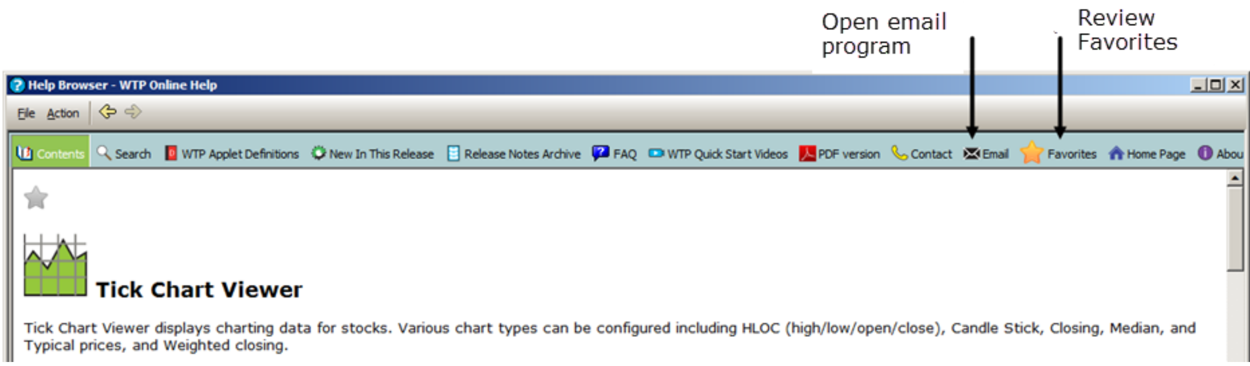
Spread Viewer "TV" Grid Field Changed to "Mid"



The grid field formerly known as TV (theoretical value) has been changed to Mid in **Spread Viewer**. The change affects only the grid field name and not its contents.

The system default template for Spread Viewer now contains the Mid column.

New Buttons Added to Help Toolbar



Two new buttons have been added to the Help toolbar.

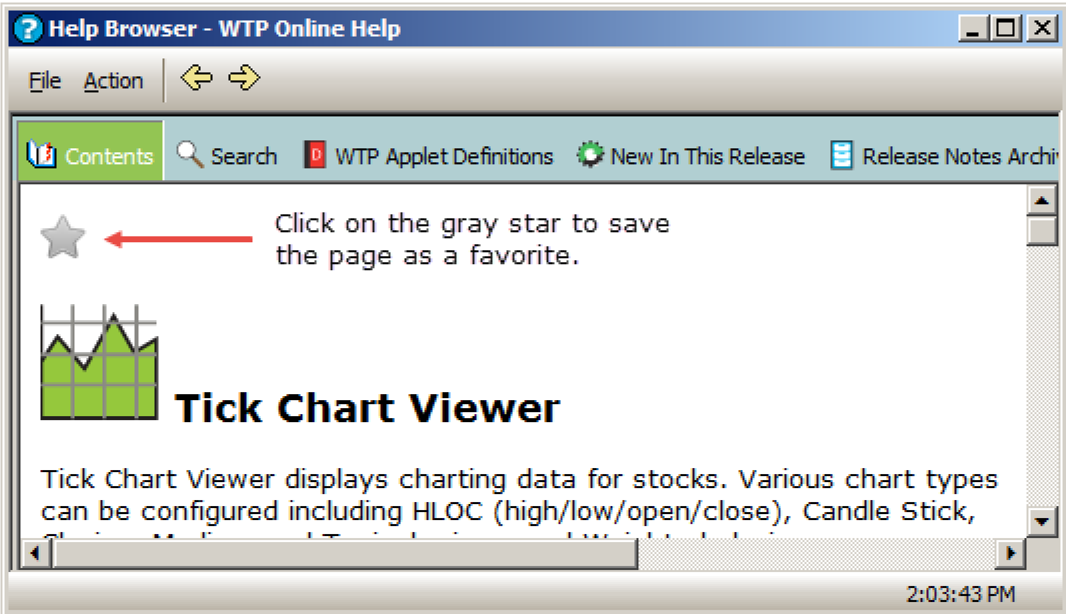
1. Email—Select this button to open your email program. The To: field will be auto-populated with support@tradewex.com (the technical support address of the WEX help desk).

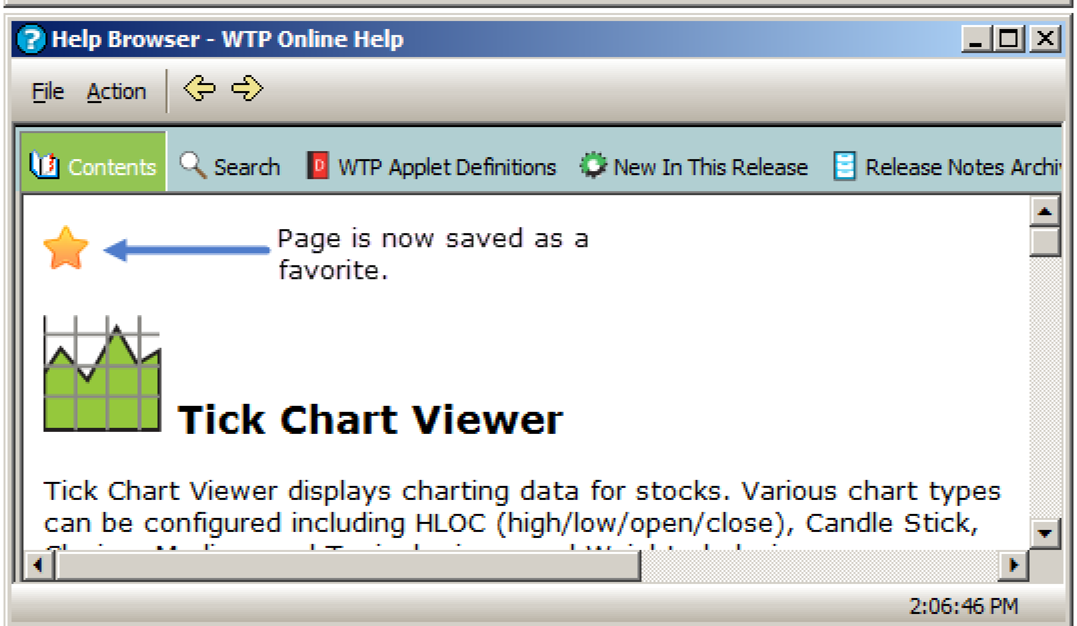
2. Favorites—Select this button to view a list of Help pages that have been saved as "favorites".

Save, Call, and Delete Favorite pages

Save a Help page as a favorite

Click on the gray star at the top of each Help page (release notes excluded) to save that page as a favorite. The gray star will change to a gold star:





View list of Favorites

In the Help toolbar, select the Favorites button to see a list of pages that have been saved as a favorite:

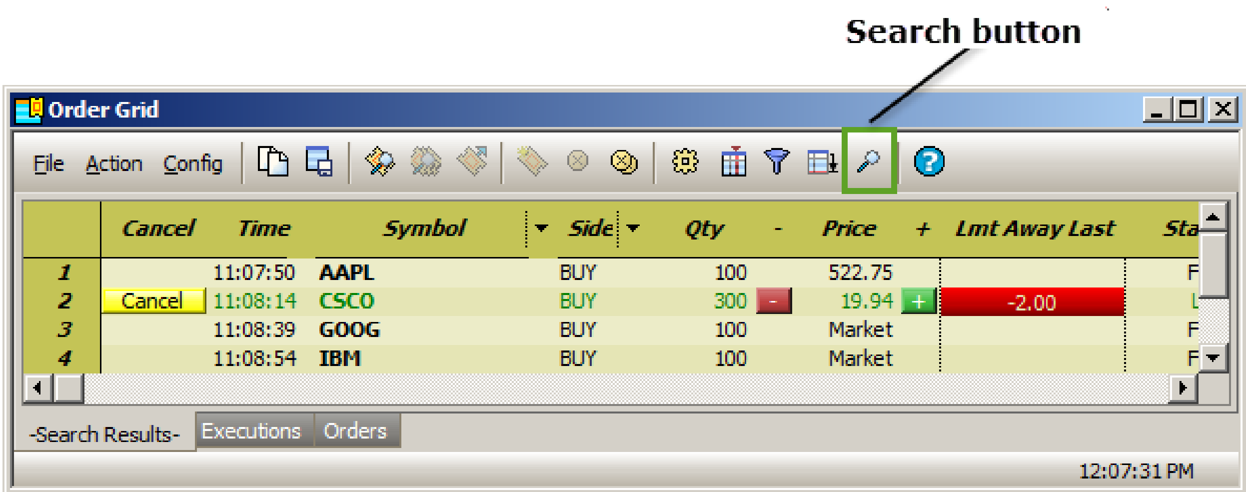
Click on the page name to be directed to that page.

Click on the [X] next to the page name to remove the page as a favorite. Clicking on a page's gold star will also remove the page from the favorites list.

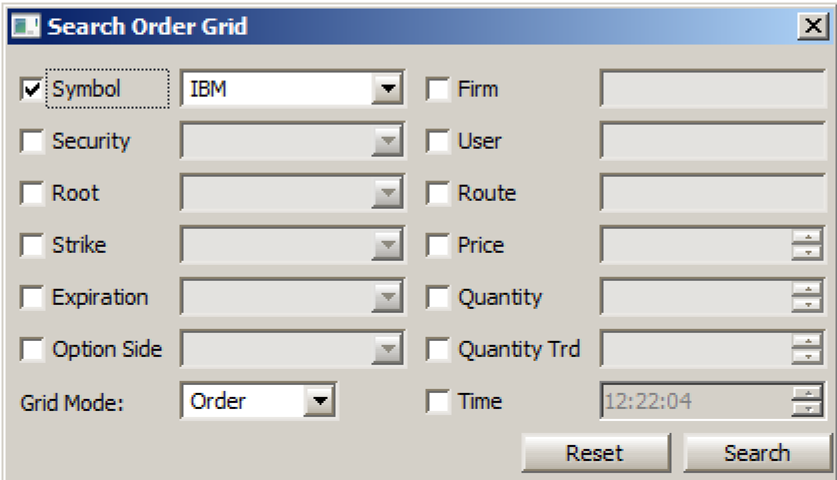
13.4.66.0

February, 2014

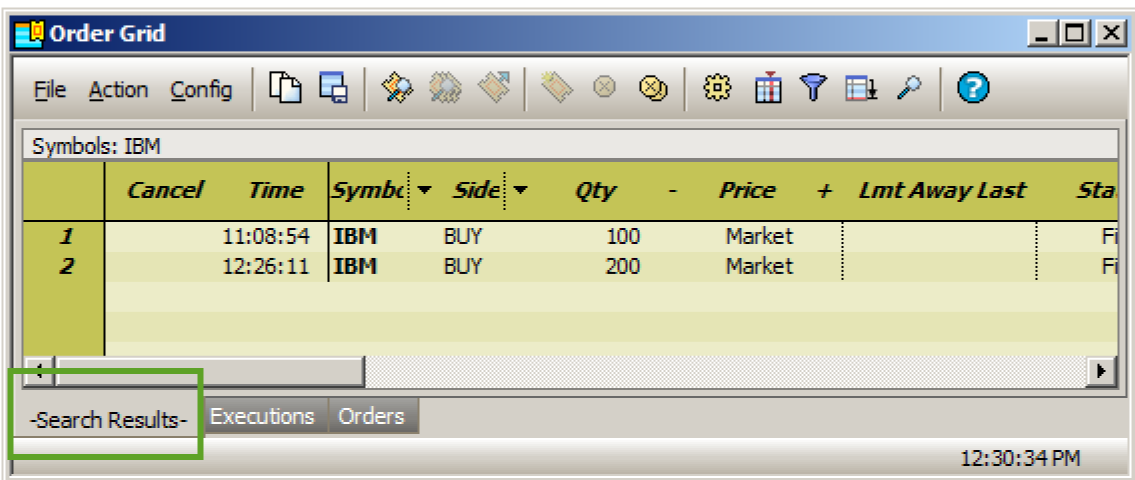
New Search Feature for Order Grid



Select the search button to launch the Search Order Grid *window:*



Enter search parameters and press Search.



Search Results *tab opens and displays found items.*

A new search feature has been added to the Order Grid. This feature allows for the searching of various parameters for all items listed in the grid.

Initiate a search by selecting the search button or by entering **ctrl + f**. The **Search Auto Grid** window launches.

A few things to note about the search feature:

- Only a single item in each search field is allowed.
- The reset button clears all fields in the Search Order Grid window.
- Select meta data can be searched without the need for any corroborating fields (i.e., a search for strike price or expiration can be accomplished without entering a symbol or security).

User Permissions Viewer Improved Accessibility

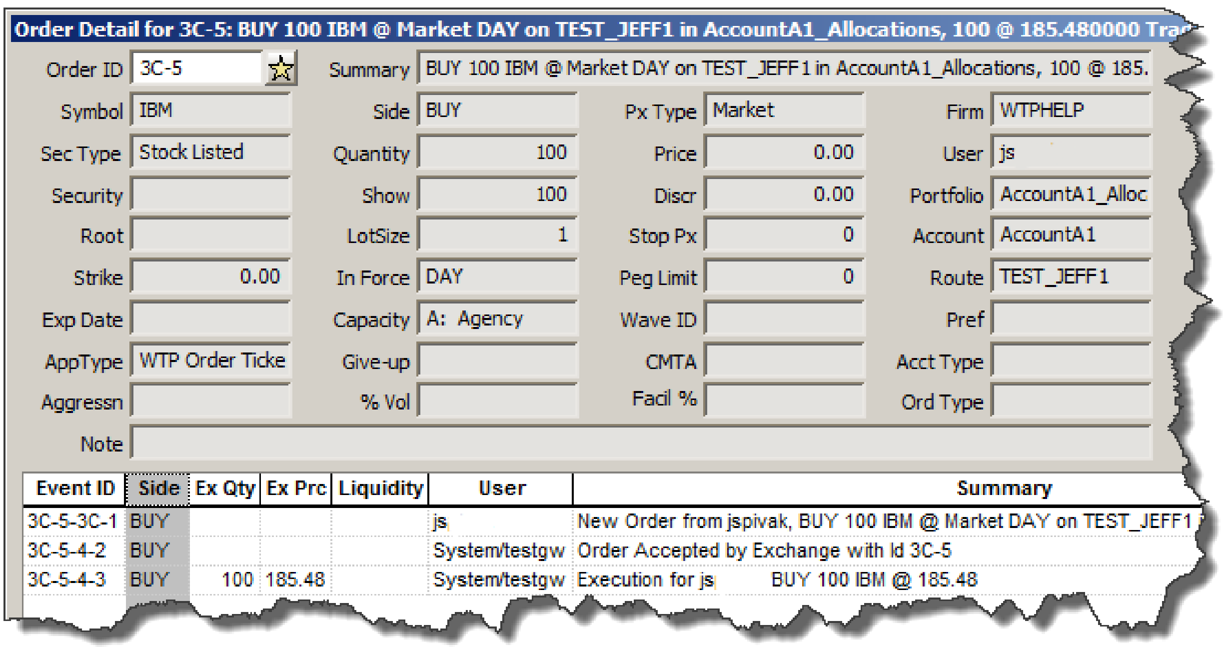
The **User Permissions Viewer** can now be launched via the following methods:

- From the **Session** menu: select **View User Permissions**
- From the **WTP** menu: select **Trade Limits Viewer**

Isolate Execution by Side Type in the Order Detail Window

Side *column (highlighted in gray) can now be added to the Event grid in the Order Detail window*

A complex order could contain many executions and side types. Previously, when viewing details of an order (via the Order Detail window), it was impossible to determine an order's side types.

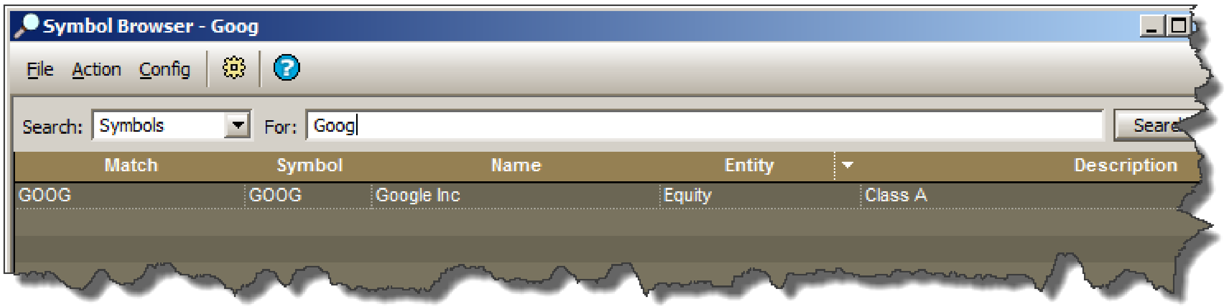


A new selection of **Order Fields** can now be added to the Event grid portion of the Order Detail window. In the image above, the shaded column **Side** has been added to the Event grid.

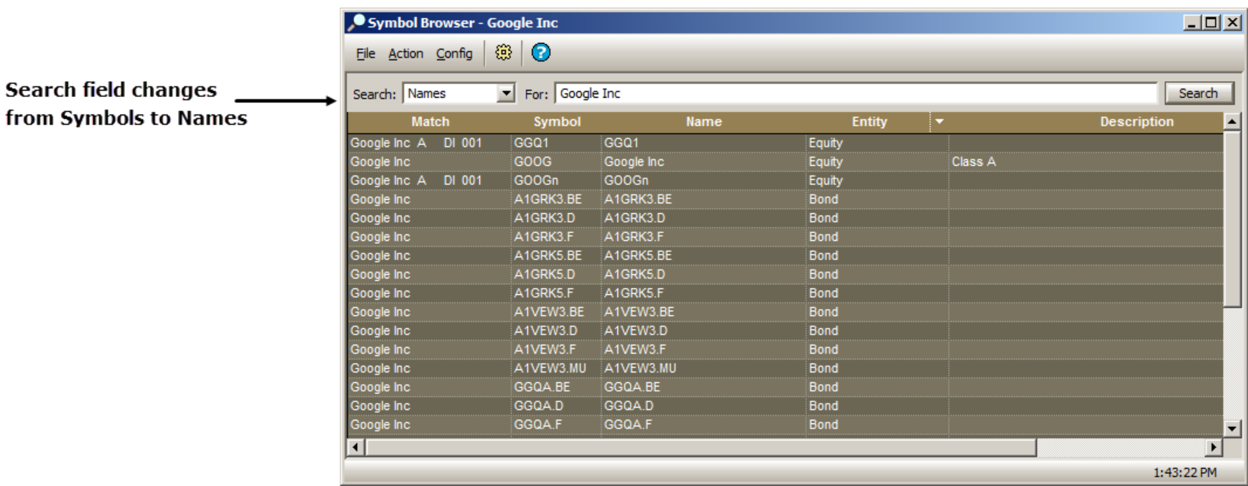
Add any Order Field to the Event grid using the **Field Chooser**.

Note: Columns added to the Event Grid are not saved when the Order Detail window closes.

Symbol Browser Improvement: Show All Products for a Name When Searching the Symbol



Symbol Browser *matches the symbol "Goog". Double click on the name in the grid to display all products associated with the selected symbol:*



[**Symbol Browser**]() can now display all related products to a found symbol with a double-click.

In the first image above, a search for "Goog" was initiated. Symbol Browser finds a match with the name Google Inc.

Double-clicking on a name in the grid (in this case "Google Inc"), causes Symbol Browser to do the following:

- The **Search** field changes from Symbols to Names
- Content in the **For** field changes to the symbol name previously selected
- All products related to the symbol are now displayed in the grid

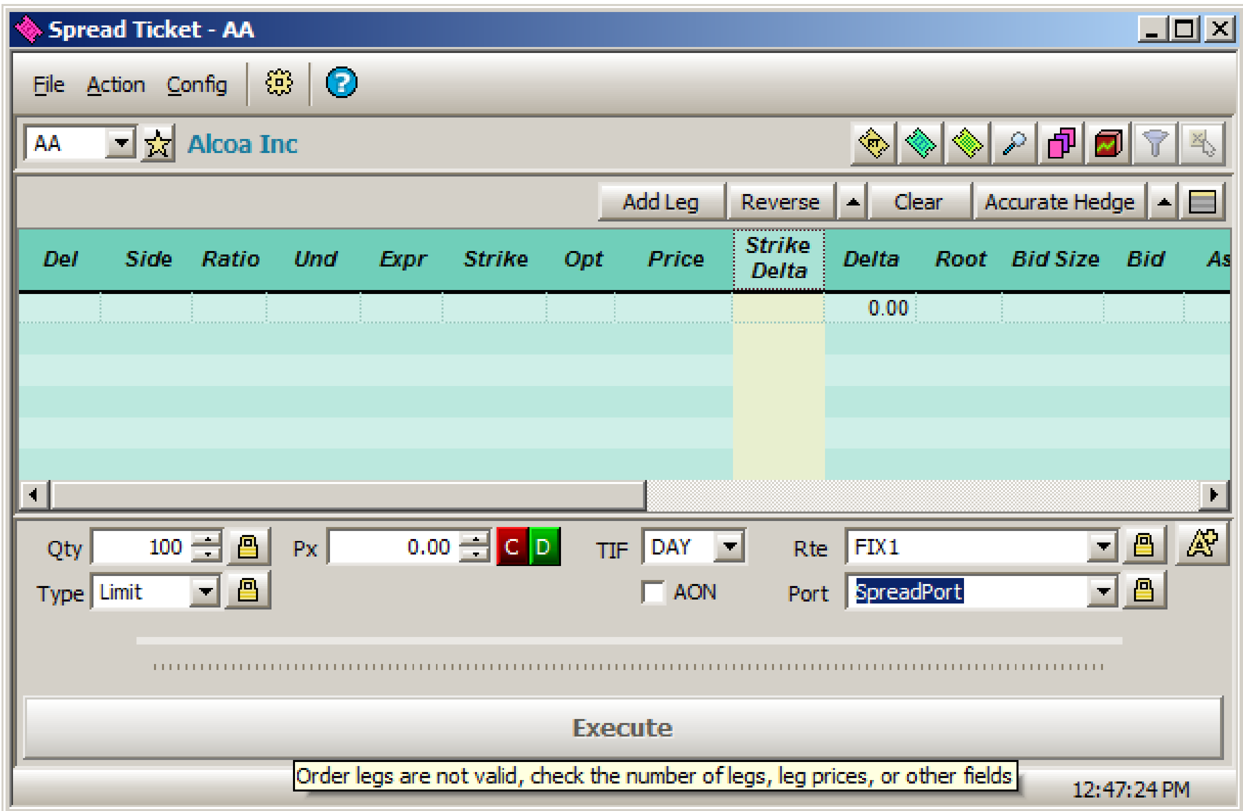
Note: A more granular search can be run by double-clicking on any product row. The product name will be placed in the **For** field.

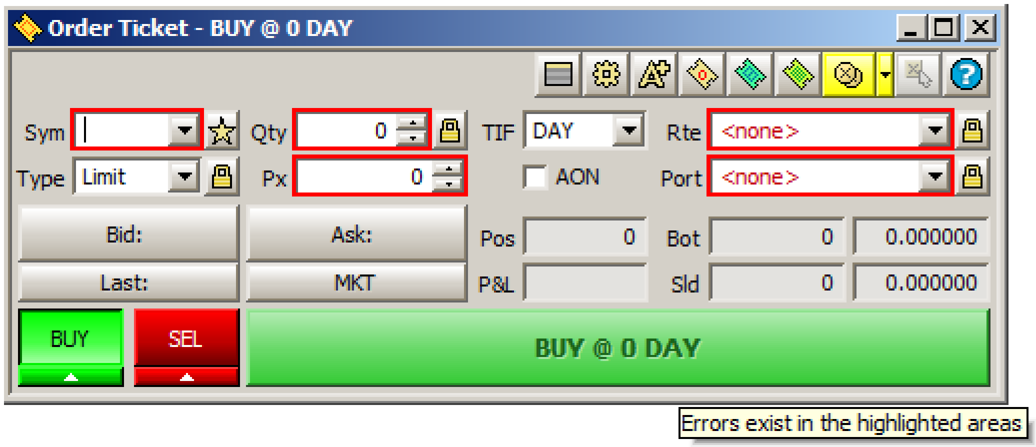
13.4.65.0

February, 2014

- Tool tips Display When Hovering Over Non-Enabled Execute Button
- Send Crossing Trade Reports with the Report Trade Crossing Ticket

Tool tips Display When Hovering Over Non-Enabled Execute Button



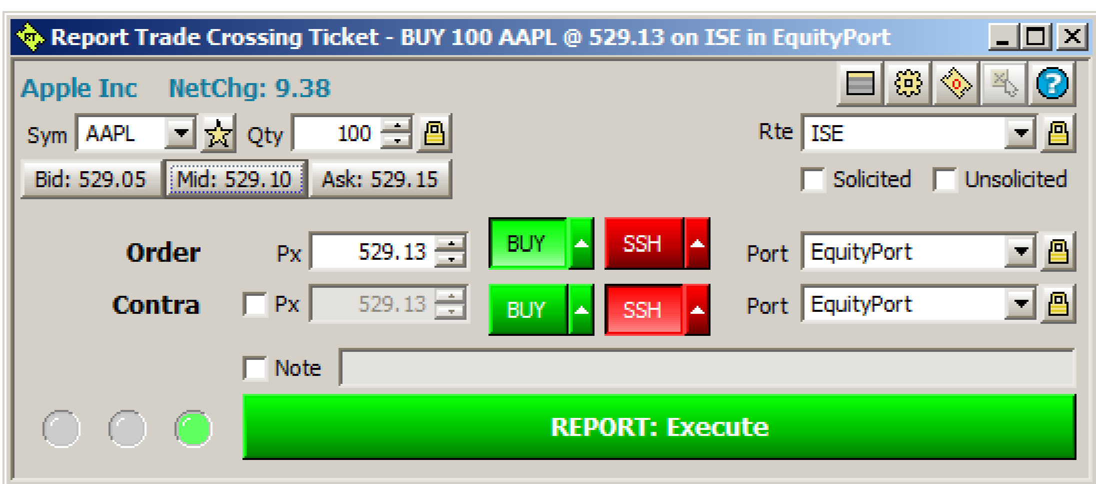


Two examples of tool tips that display when the mouse hovers over a non-enabled execute button.

When the execute button is not enabled for WTP applets, hovering over the button will display a tool tip that describes what is blocking the execution.

If the cited errors refer to those highlighted in red, the tool tip will read "Errors exist in the highlighted areas". Otherwise, the tool tip will describe the error specific to the applet.

Send Crossing Trade Reports with the Report Trade Crossing Ticket



Report Trade Crossing Ticket Equity Mode

Report Trade Crossing Ticket Option Mode

The **Report Trade Crossing Ticket** allows for the reporting of *external* crossing equity or option trades, similar to the **Report Trade Ticket**.

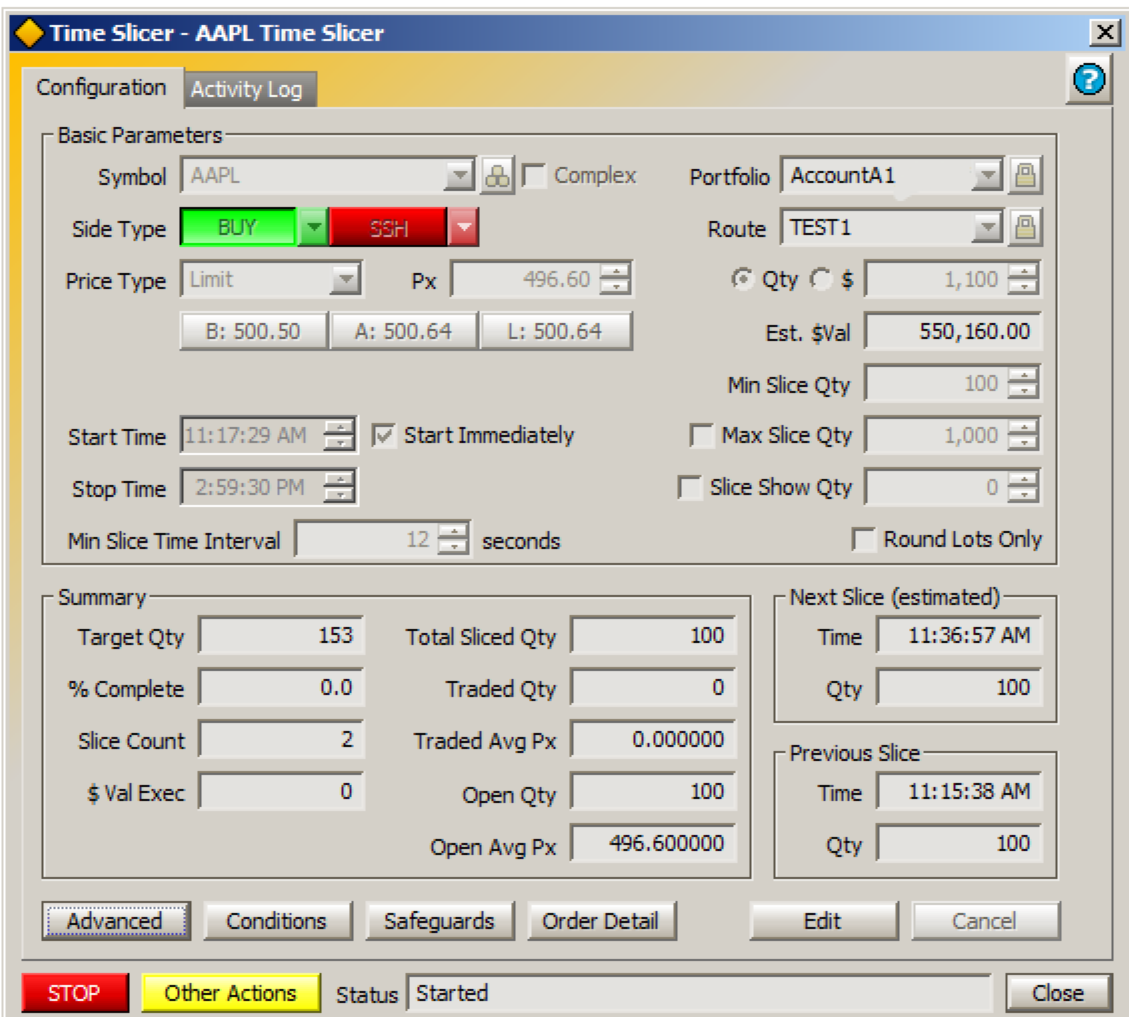
13.4.64.0

January, 2014

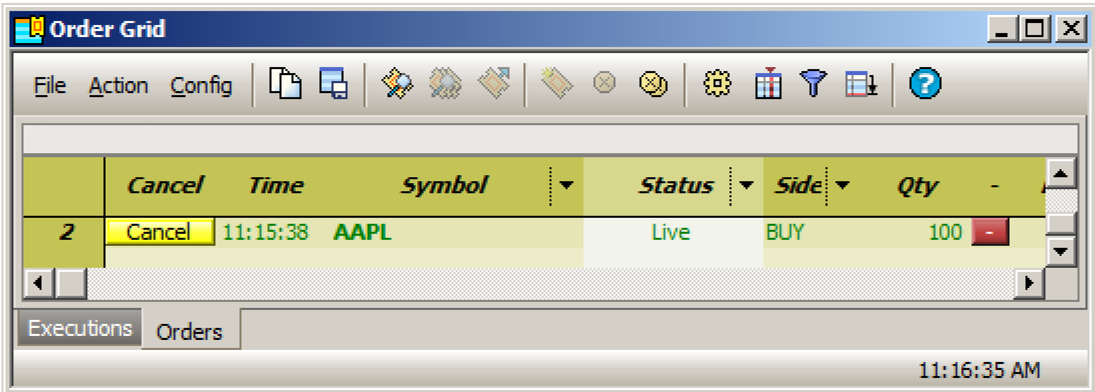
- **Warning Issued When Modifying an Order Owned by a Managed Order**

When attempting to cancel or modify a live order initiated by a managed order (Time Slicer, Spread Agent, etc.), a warning message will launch and it will be necessary to confirm the cancelation/modification before proceeding. For example:

1. A Time Slicer order is configured to buy 1,100 shares with a minimum slice quantity of 100 shares:

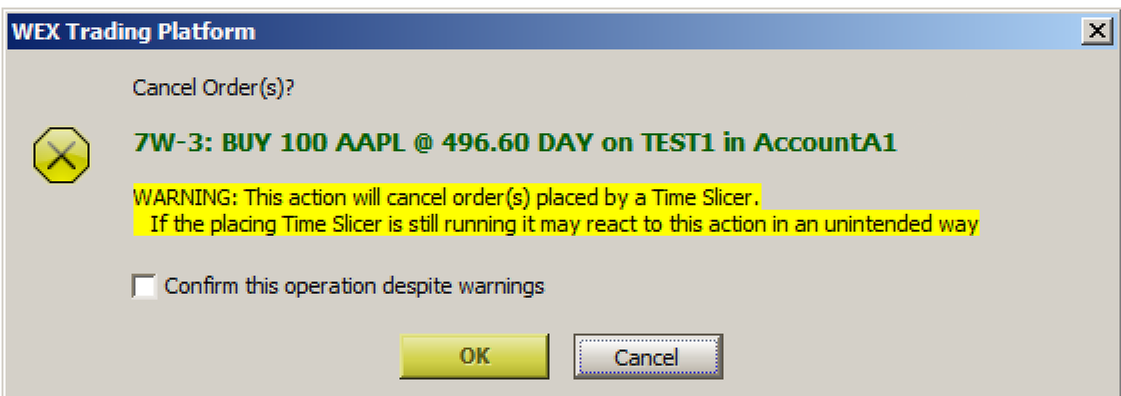


2. Time Slicer issues a buy order. Press the **Order Detail** button on Time Slicer to launch the Order Grid.



Select the **Cancel** button on the row with the live order.

3. A warning message is issued:



The order can be canceled by checking the box **Confirm this operation despite warnings** then clicking **OK**.

13.4.63.0

December, 2013

There were no new features in this release.

13.4.62.0

November, 2013

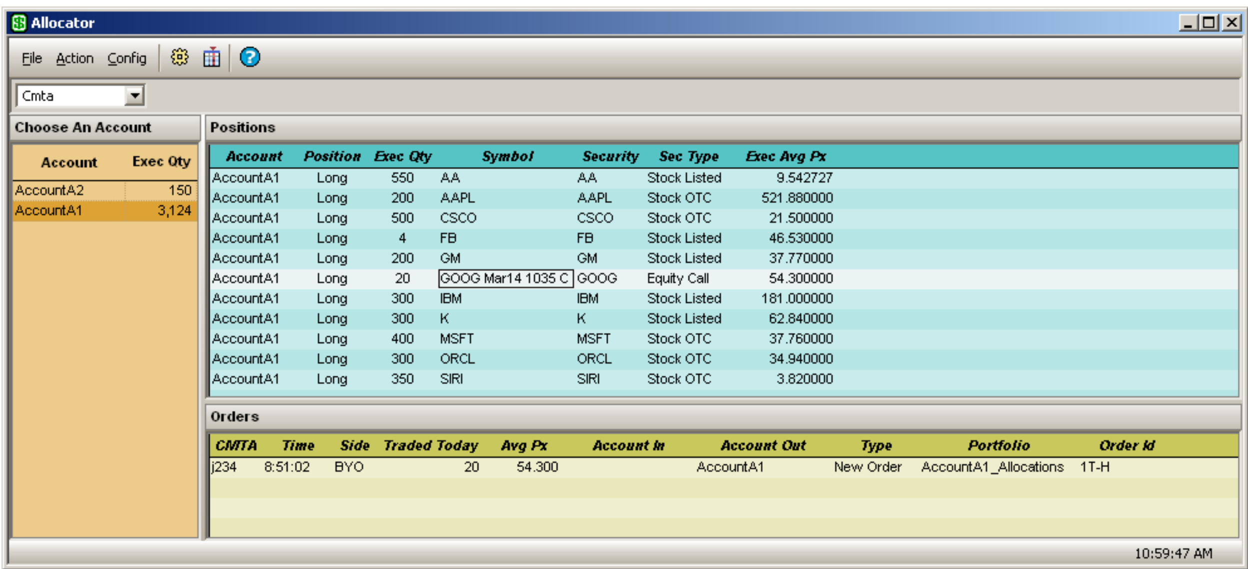
- **Allocator Enhancements**

  Ability to view Cmta and Omni accounts

  Ability to view Report Trades

Allocator Enhancements

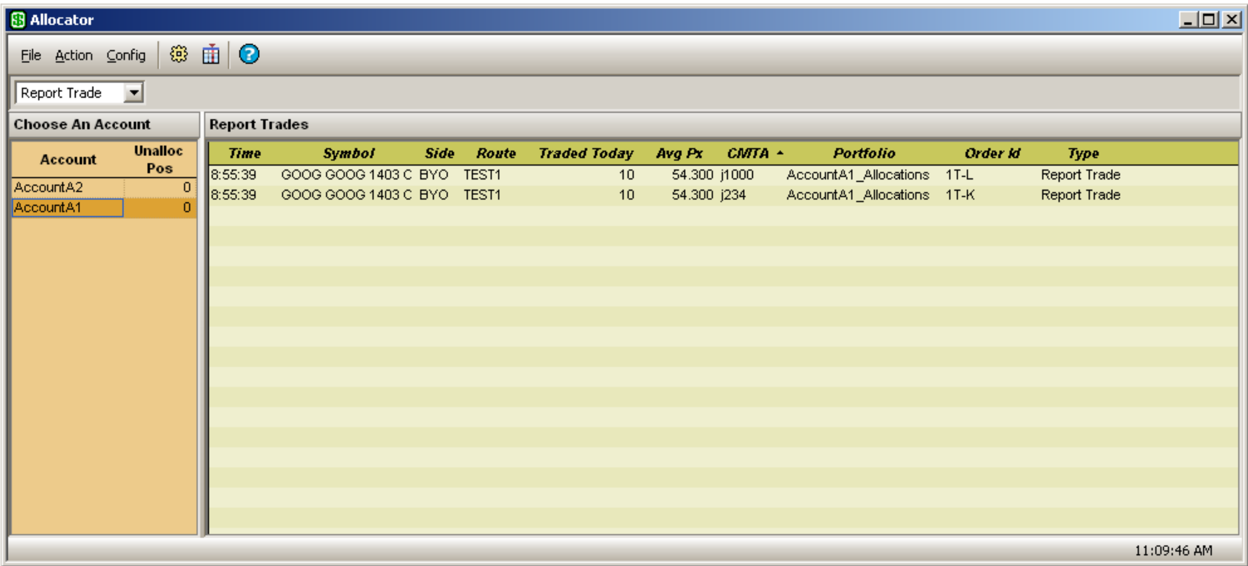
1. Ability to view Cmta and Omni accounts:



New enhancements in Allocator allows for the display of Cmta accounts or Omni accounts. Each account type is defined by WEX during WTP installation.

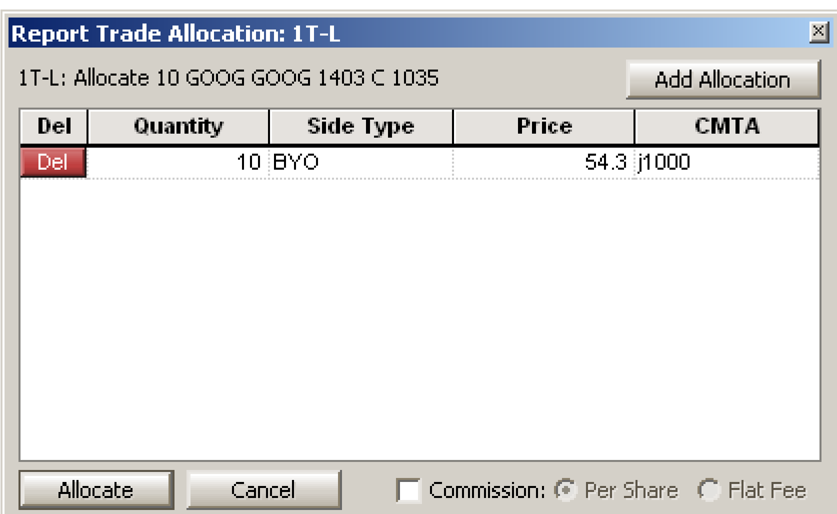
A new drop-down list featuring Cmta and Omni selections has been added to Allocator. Select the account type and the account name to view the account positions from which allocations can be made.

2. Ability to view Report Trades:



When **Report Trade** is selected, Allocator changes its view to an Account Grid and a single Order Grid. The Account grid shows the position consisting of Option Report Trades without a Cmta. The Order grid shows all Option Report Trades, regardless of Cmtas.

Although Report Trades cannot be allocated per se, a Report Trade can have a Cmta value added or changed. Double-click on a specific order (or right-click on the order and select **Add Allocation**). When selected, the **Report Trade Allocation** window launches. The Cmta value can be edited in this window:



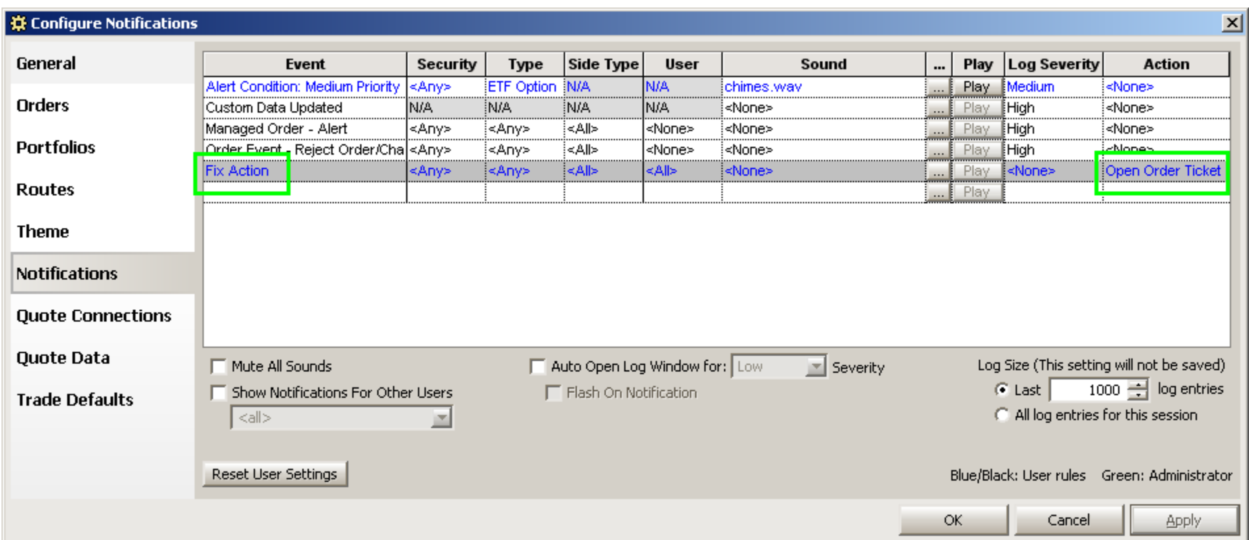
Note: Cmta, Omni, or **Report Trade** mode is accessible only if the Global Configuration option **Exclude Report Trades from Allocation** is checked. If unchecked, no selection is possible and Allocator defaults to **<Normal>** display.

13.4.61.0

November, 2013

- [FIX Notification Can Launch Order Ticket]
- [Stale Quotes Will Now Be Indicated in Order Tickets and Quote Cubes]
- [Short Sale Warnings Implemented for SLA Orders]
- [Commission Summary Added to Order Grid]
- [Internal Change Button Allows Commission Changes to Filled Orders]

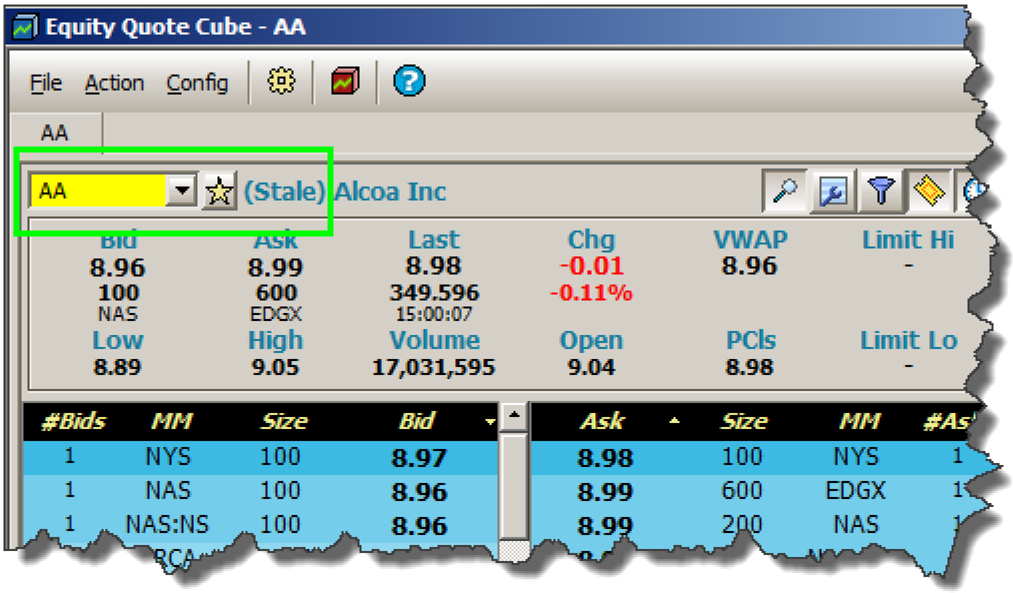
FIX Notification Can Launch Order Ticket



A new notification **Fix Action** has been added as an event in **Global Configuration**.

Whenever an order is received from a FIX server, the Order Ticket will launch if the action to **Open Order Ticket** is selected.

Stale Quotes Will Now Be Indicated in Order Tickets and Quote Cubes



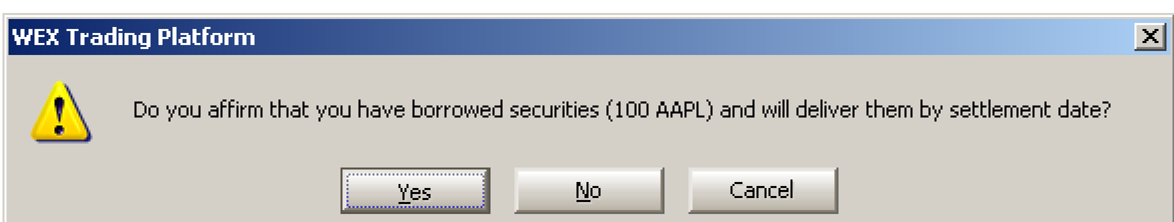
If a stale quote exists for a particular symbol, the trading status tool tip will read "Stale" and the word (Stale) will be displayed next to the security name.

Also, the security box will be colored yellow for securities with a stale quote.

State Quote in Quote Grid

A stale quote in the Quote Grid will have a line through the security name.

Short Sale Warnings Implemented for SLA Orders



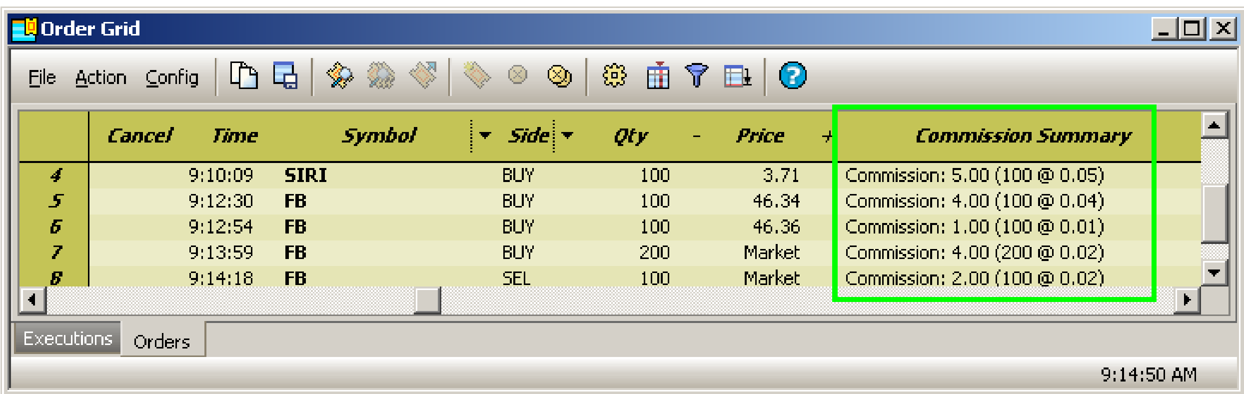
When it is determined that an auto-sell order (SLA) will trade as a short sale, an affirmation message will be issued.

The number of shares identified in the affirmation message (in the example above it is 100) reflects the quantity that is going short. This value is calculated by the current position on a security minus the amount to be sold via auto-sell.

The short-sell affirmation message will launch in the following applets:

- Order Ticket
- Report Trade Ticket
- Adjust Position Ticket
- Crossing Ticket
- Spread Ticket
- Crossing Spread Ticket
- Report Trade Spread Ticket
- Basket Trader
- Spread Basket Trader
- Crossing Basket Trader
- Spread Agent
- Spread Trader
- Time Slicer
- Vol Trader

Commission Summary Added to Order Grid

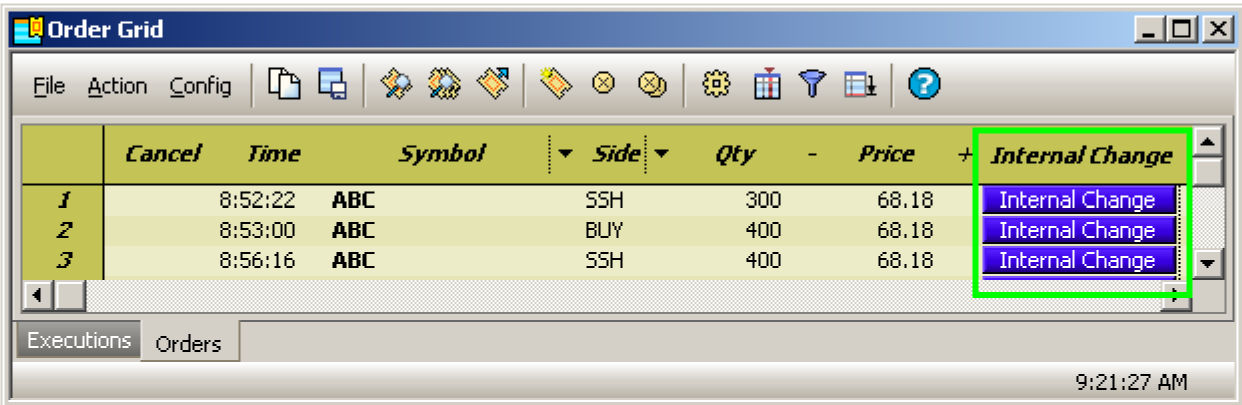


A new column **Commission Summary** is available in the **Order Grid**.

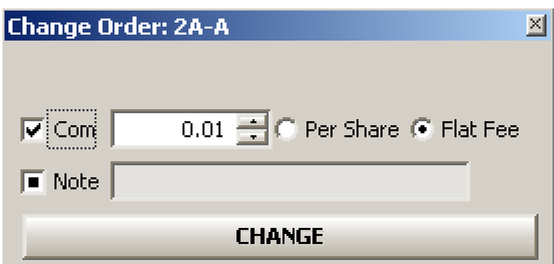
Filled orders that have a commission will display the total value of the commission along with the order size and commission amount.

Add the Commission Summary to the Order Grid with the **Field Chooser**.

Internal Change Button Allows Commission Changes to Filled Orders



*The column **Internal Change** added to the Order Grid. Press the Internal Change button to make changes to a filled order.*



Add, remove, or change the commission-related data here.

A new Order Grid column **Internal Change** is now available for making commission-related changes. When added to the Order Grid, an Internal Change button will appear on each row of a filled order. Selecting the button launches the **Change Order** window. In this window the following can be accomplished:

- Add a commission to the order if one wasn't assigned
- Remove an order's commission
- Change the commission value
- Change the commission designation (per share or flat fee)
- Add/remove a note

When all changes are satisfactory, press the **Change** button. Changes can be made more than once to any filled order.

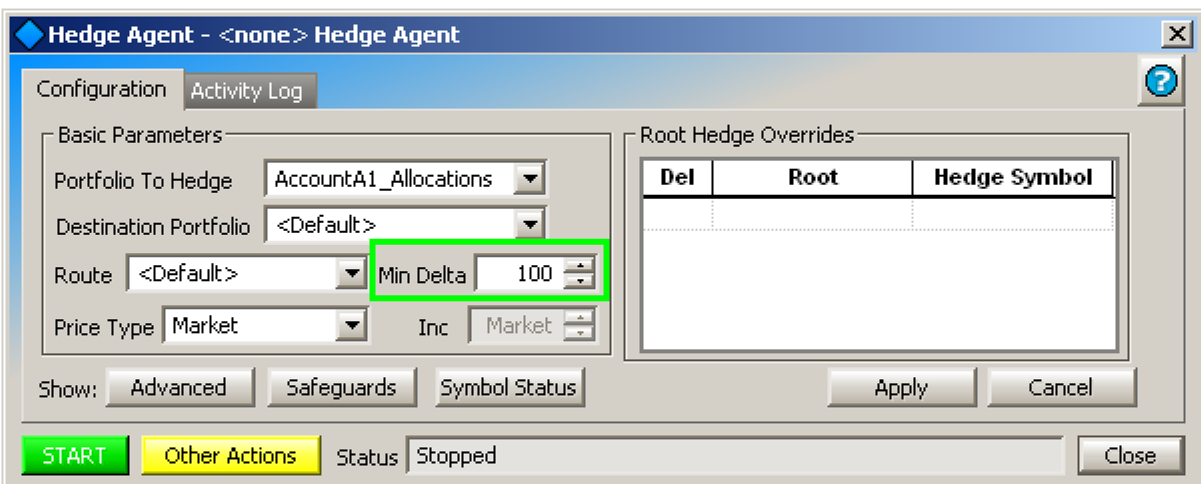
Add the Internal Change column to the Order Grid with the **Field Chooser**.

13.4.60.0

October, 2013

- Hedge Agent Improvement: Minimum Size Field Changed to Minimum Delta
- Enable/Disable Eye Added to Managed Order Console
- New Prompt for Password Reset
- Tool Tips Added for Trading Status

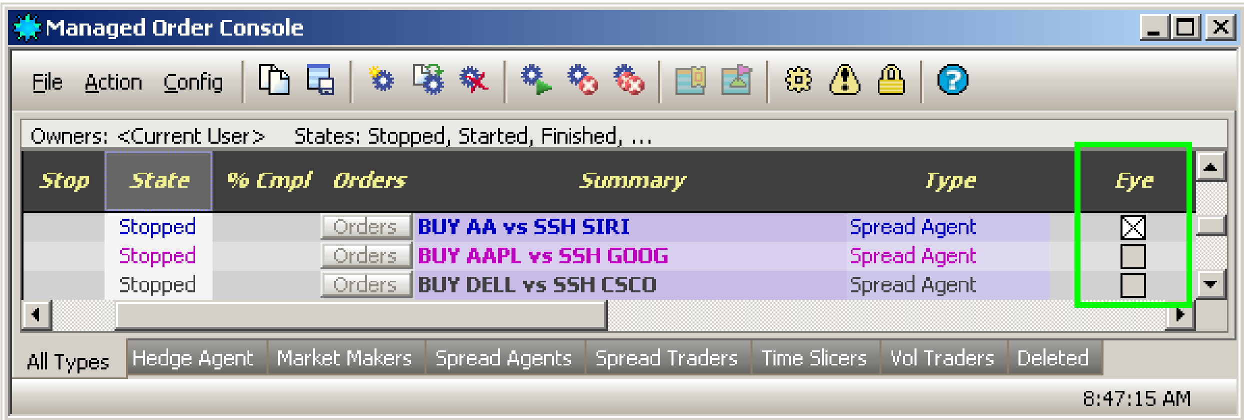
Hedge Agent Improvement: Minimum Size Field Changed to Minimum Delta



The field "Min Size" has been replaced with "Min Delta" (minimum delta). The default Min Delta value is 100.

Previously, Hedge Agent checked that the quantity sent had to be above a minimum value. Now Hedge Agent will attempt to hedge a portfolio above the value defined in the Min Delta field.

Enable/Disable Eye Added to Managed Order Console



The ability to enable/disable the **Eye** feature in managed orders has been added to the Managed Order Console.

The Eye feature can be checked or unchecked as long as the managed order is not running.

New Prompt for Password Reset

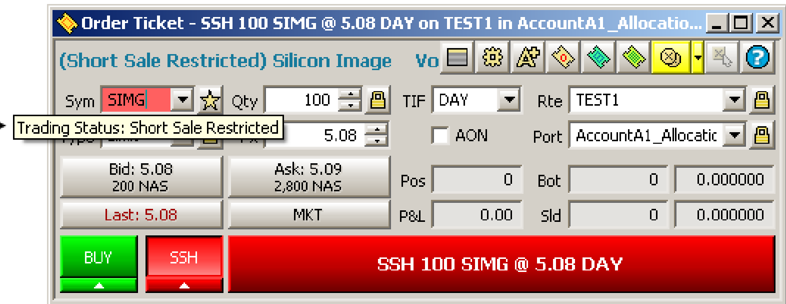
If a user cannot remember their password, selecting **I forgot my password** on the WTP Connection screen will launch the prompt above.

Select **Yes** to have the system email the user with a temporary password. Select **No** to close the window.

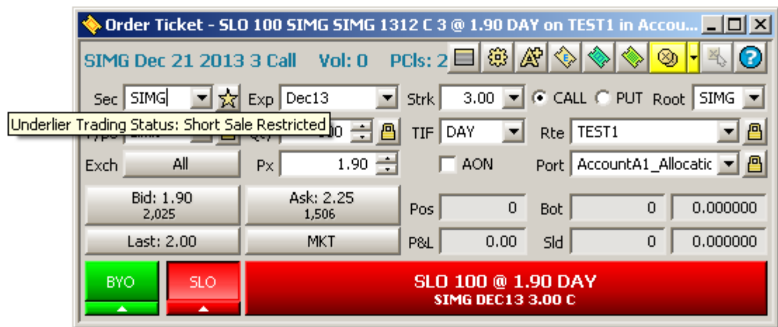
Note: The password will not be reset until the temporary password is actually used.

Tool Tips Added for Trading Status

Tool tip displays trading status



Tool tip displays underlier status



Trading status tool tips for a selected security are now displayed in the **Order Ticket**, **Option Quote Cube**, and **Equity Quote Cube.**

View a tool tip by positioning the mouse pointer in the symbol (or security name) field.

For Equity tickets, one of the following tool tips will display:

- **Trading Status: Normal**
- **Trading Status: Short Sale Restricted**
- **Trading Status: Halted**
- **Trading Status: Volatility Pause** (i.e., LULD Pause)
- **Stale Data:** (unreliable data at the moment)

For Option tickets, one of the following tool tips will display:

- **Underlier Trading Status: Normal**
- **Underlier Trading Status: Short Sale Restricted**
- **Underlier Trading Status: Halted**

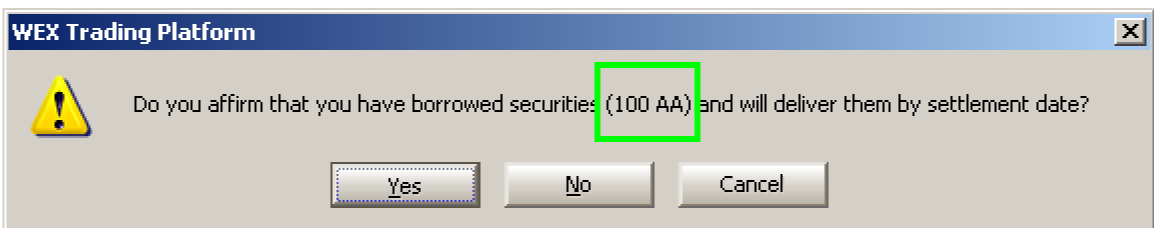
- **Underlier Trading Status: Volatility Pause** (i.e., LULD Pause)
- **Stale Data:** (unreliable data at the moment)

13.4.59.0

October, 2013

- **Short Sale Affirmation Message Improved**
- **Support for new Friday Expirations**

Short Sale Affirmation Message Improved



The affirmation message that appears when issuing a short sale has improved to include the order quantity and stock symbol.

Support for new Friday Expirations

Starting with the February 2015 expirations, the Options Clearing Corporation (OCC) is changing the default expiration to be the **third Friday** of each month. Previously, it was the Saturday *after* the third Friday.

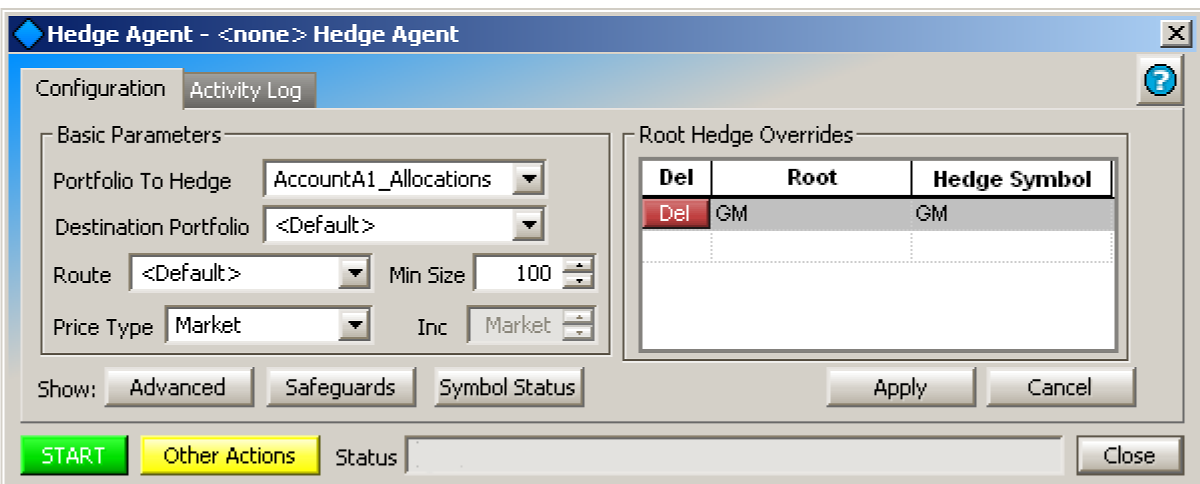
WTP now supports the new Friday expirations. In addition, WTP supports exceptions to the default expiration rule (for example, .mnx "mini index" options).

13.4.58.0

October, 2013

- New Managed Order Applet: Hedge Agent
- New WTP Applet: Historical Trades Browser
- Allocator Improvement: Allocate Legs in a Spread Order by Quantity
- New Hammer Sweep-and-Cross Options Algorithm
- Managed Order Improvement: Right-Click to Access "Other Actions" Menu

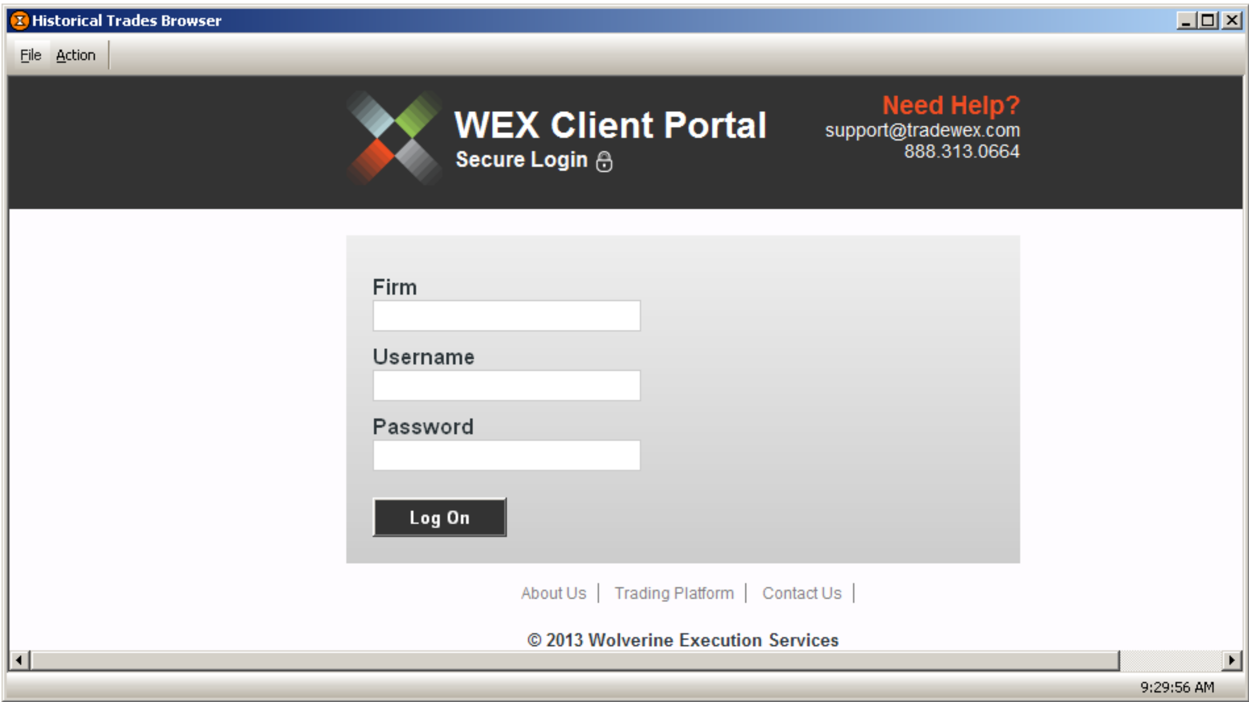
New Managed Order Applet: Hedge Agent



Hedge Agent offers the ability to delta hedge an entire portfolio of managed orders at market price, BASB (buy ask/sell bid), or BBSA (buy bid/sell ask). The hedging occurs on orders as they arrive and only for those orders sent by the user running the managed order.

Learn more about Hedge Agent here.

New WTP Applet: Historical Trades Browser

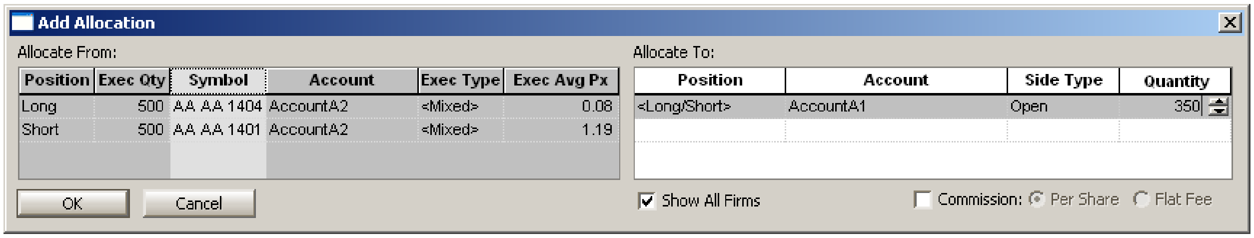


The Historical Trades Browser allows access to the WEX Client Portal wherein users with appropriate permission can:

- Retrieve Orders, Executions, and Slippage Reports
- Access WTP-related programs (WTP downloads, WTP Help, Real-time-data, VPN/Cisco connectivity)
- Read WEX Specifications (WOTI & FIX)
- Access Sentry, the Administration Tool for WTP
- Add New Accounts

Learn more about the Historical Trades Browser **here**.

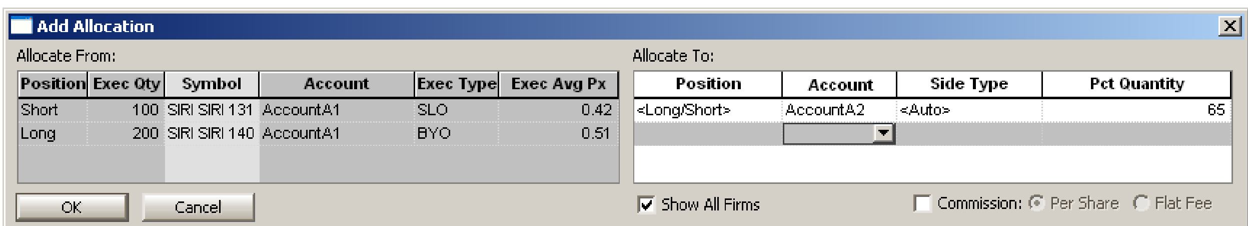
Allocator Improvement: Allocate Legs in a Spread Order by Quantity



Allocate legs in a spread by quantity

When allocating multiple positions of a filled spread order in **Allocator**, the amount allocated can now be defined by the **quantity** (number of shares). In the image above, 350 shares of a 500 share total are being allocated from one account to another.

If a filled spread order with differing quantities is to be allocated, the quantity to allocate is based on the **percentage** of the total number of shares. In the image below, the executed quantity totals 300 (100 short and 200 long). The allocated percentage is 65% (or 65 and 130 shares respectively).



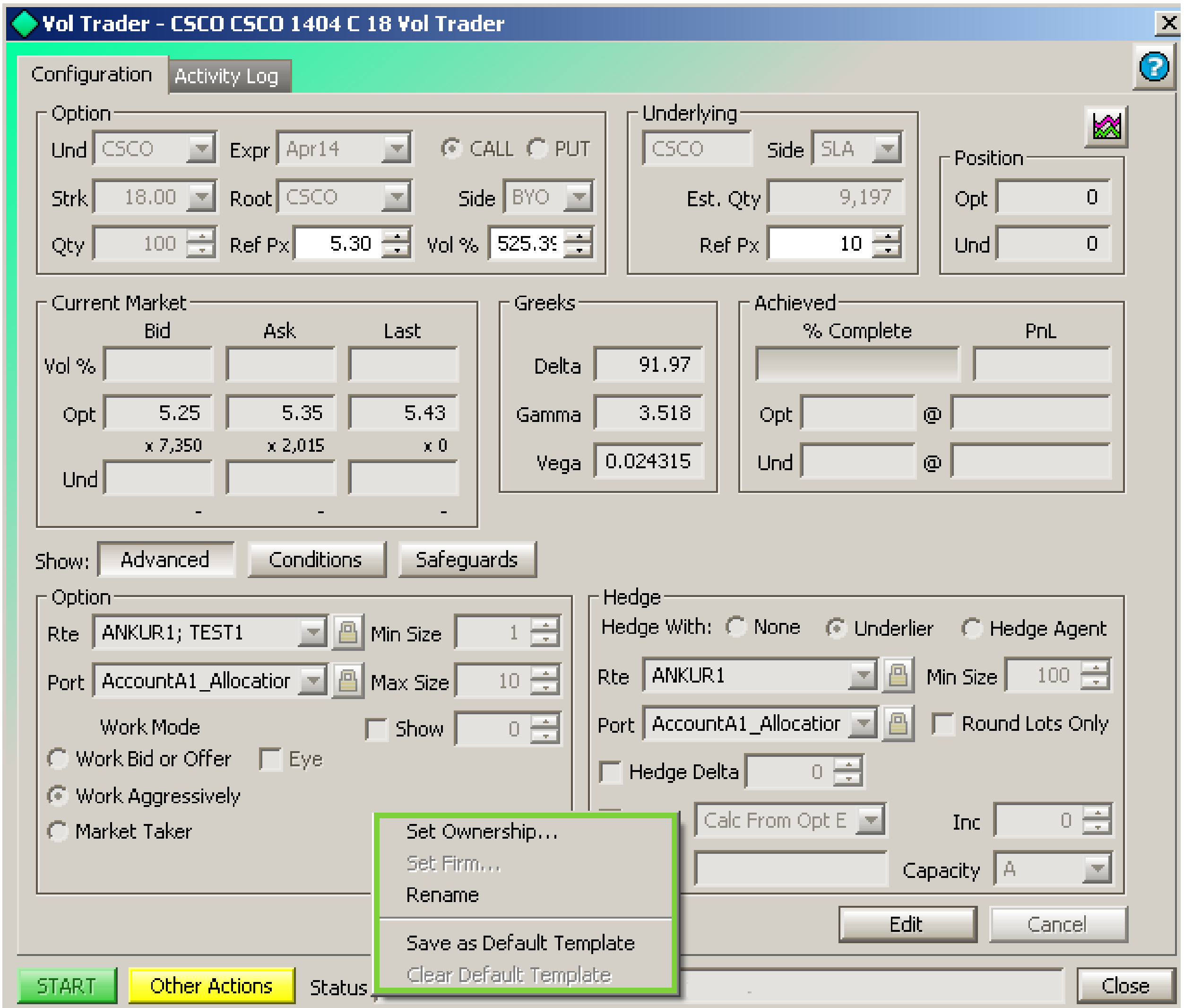
Allocate legs in a spread by percentage

New Hammer Sweep-and-Cross Options Algorithm

A new WEX options algorithm designed to sweep the market up to a defined limit price and cross the remaining quantity in a crossing order has been named "the hammer."

Learn more about the WEX Hammer Sweep and Cross **here**.

Managed Order Improvement: Right-Click to Access "Other Actions" Menu



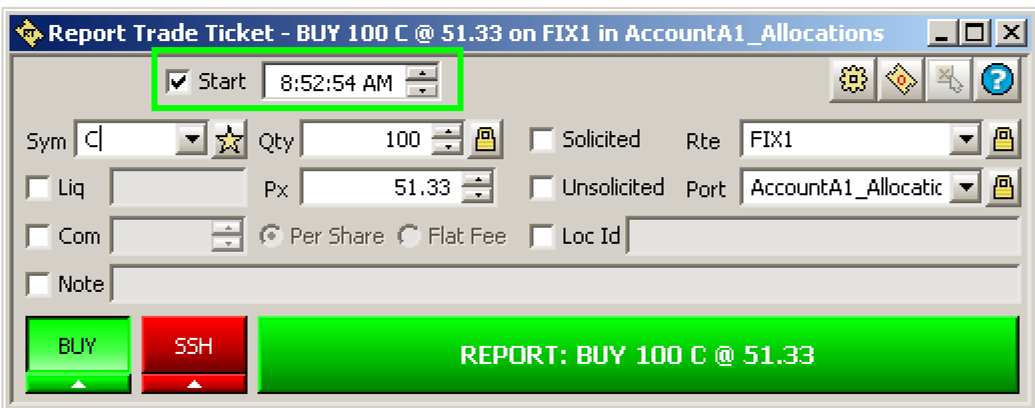
The **Other Actions** menu in all Managed Order applets can now be launched by right-clicking directly on the managed order.

13.4.57.0

September, 2013

- Route Time Entry Field Available in Report Trade Ticket
- Report Trade Spread Ticket Now a Standalone Applet
- "Partial Fill" Order Status Now Available in Improved Order Status Filters
- Montreal Spread Data Supported
- Check Box Filter Added to Three WTP Applets

Route Time Entry Field Available in Report Trade Ticket



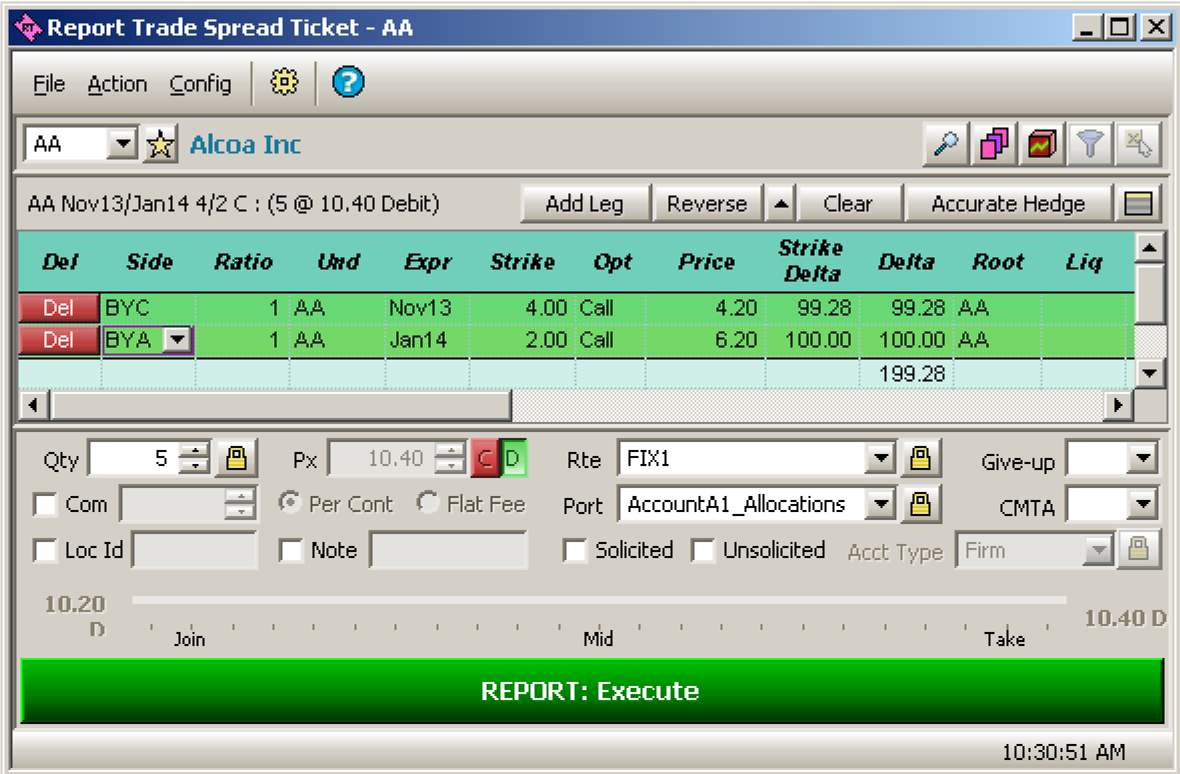
A new route time entry field (i.e., a start control) is now available for the **Report Trade Ticket**.

By default, the start time will display the time at which the ticket was created. To have the start time reflect the current time, un-check the **Start** box and re-check it. Adjust the start time by entering the time in the appropriate fields or by selecting the up/down spinner arrows.

Add the Start control to the Report Trade Ticket with the **Ticket Editor**. The control is found in the **Advanced** category.

Save the Report Trade Ticket as a **template** to have the Start control appear each time the ticket is launched.

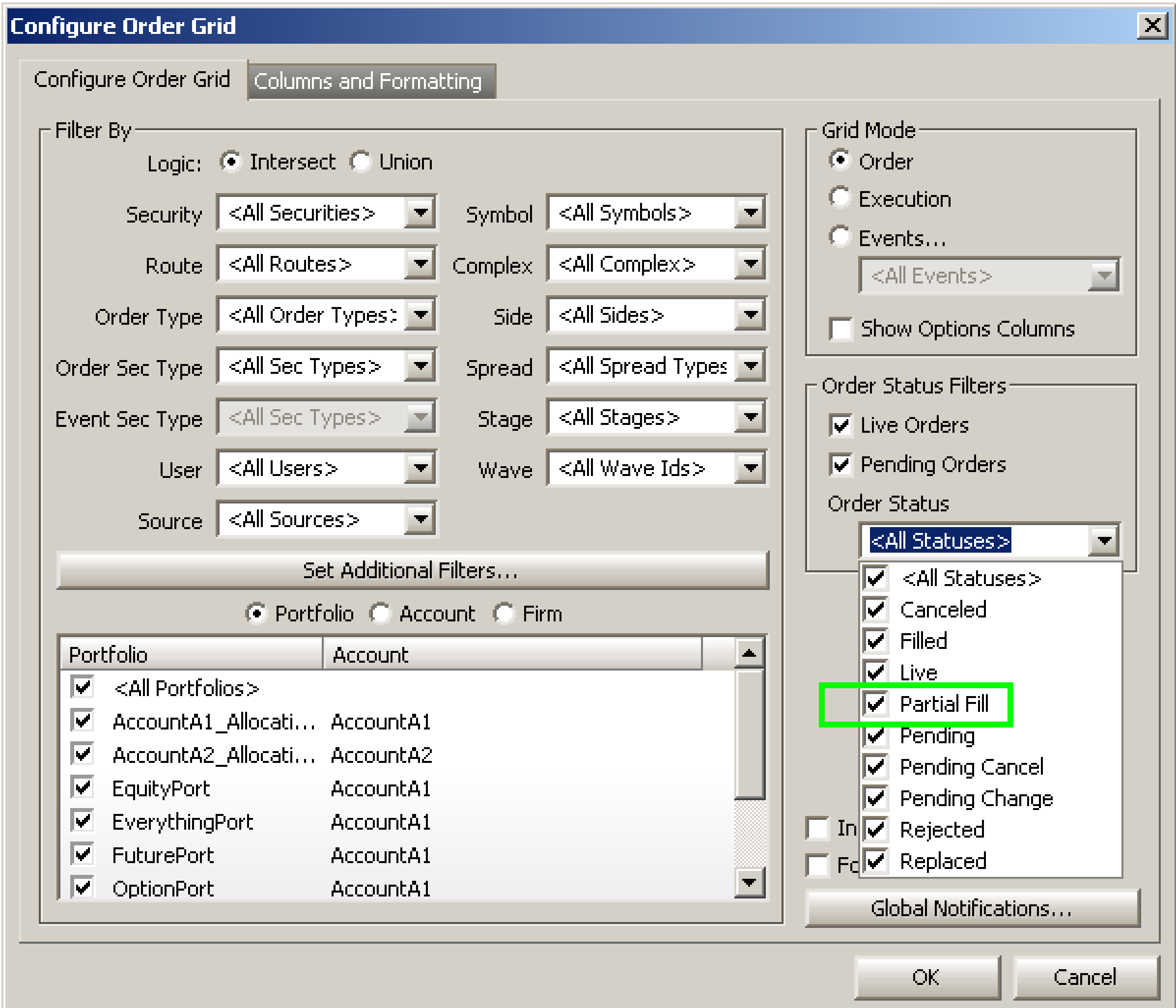
Report Trade Spread Ticket Now a Standalone Applet



Previously, the Report Trade Spread Ticket was launched only from **Spread Builder**. Now the Report Trade Spread Ticket is a standalone applet and can be launched as follows:

- From the WTP button in the WTP Toolbar, select **Report Trade Spread Ticket**.
- From the WTP toolbar select **Manage -->Report Trade Spread Ticket**.

"Partial Fill" Order Status Now Available in Improved Order Status Filters



The **Order Grid** filter selection has improved. **Order State Filters** have been replaced with **Order Status Filters**.

Now, there are two order types in which to define order status filters: **Live Orders** and **Pending Orders***.

Among the various orders status filters is the new **Partial Fill**. Orders with a partial fill status (i.e., not canceled, not filled) will be displayed when this is selected.

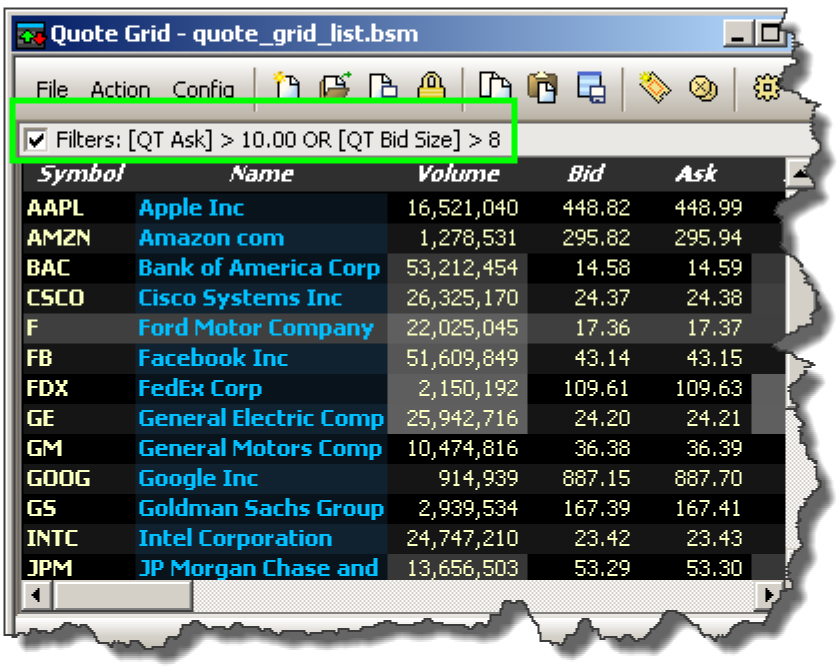
*Live and Pending order status can also be selected from the Order Status drop-down list.

Montreal Spread Data Supported

WTP now supports spread data from the Montreal (MX) Exchange.

Contact **WEX Support** to configure WTP to receive spread data from the Montreal Exchange, and to receive information on related fees.

Check Box Filter Added to Three WTP Applets



Defined conditions are displayed in Quote Grid along with a Filters check box

When display conditions are defined for **Quote Grid**, **Symbol Browser**, or **Corporate Action Viewer**, the filters will be listed in the applet along with a **Filters** check box.

Un-check the Filters box to turn off grid filtering.

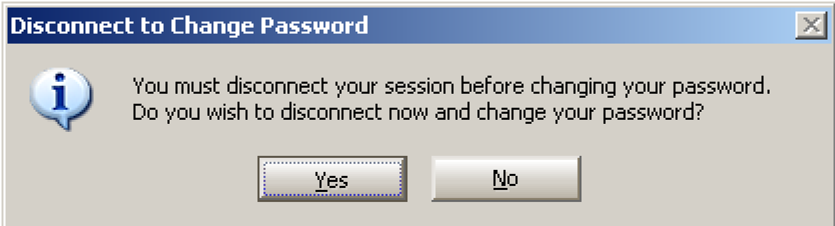
13.4.56.0

September, 2013

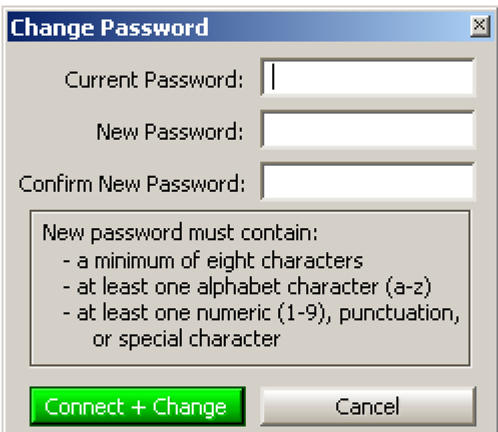
- Users Allowed To Reset Their Password
- "I Forgot My Password" Feature
- WTP Version Added to Title Bar
- Security Drop-Down Filter Available in Order Grid

Users Allowed To Reset Their Password

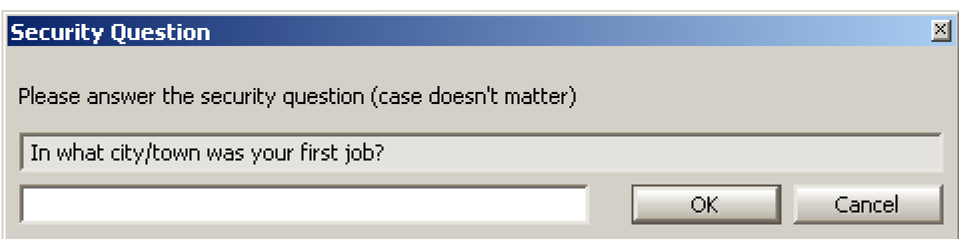
When logged in to WTP, press the Change *button to initiate a password change.*



User must select Yes *in order to disconnect and continue with the password change procedure.*



Enter current password, new password, and confirm new password.



A security question displays after the password change.

WTP users can now change their password. When a password is changed, a follow-up security question is issued, completing the process.

Change Password Procedure

1. While logged in to WTP, press the **Connection** button on the WTP toolbar to launch the Connection window.

2. Press the **Change…** button. A **Disconnect to Change Password** confirmation displays. To change a password it is required to disconnect from WTP. Select **Yes** to disconnect from WTP.

3. The **Change Password** dialog window launches. Enter the current password and new password. Re-key the new password in the **Confirm New Password** field. Select **Connect & Change**.

   Note: A password must consist of the following:

   - Minimum of eight characters
   - At least one alphabet character (a-z)
   - At least one numeric (1-9), punctuation, or special character

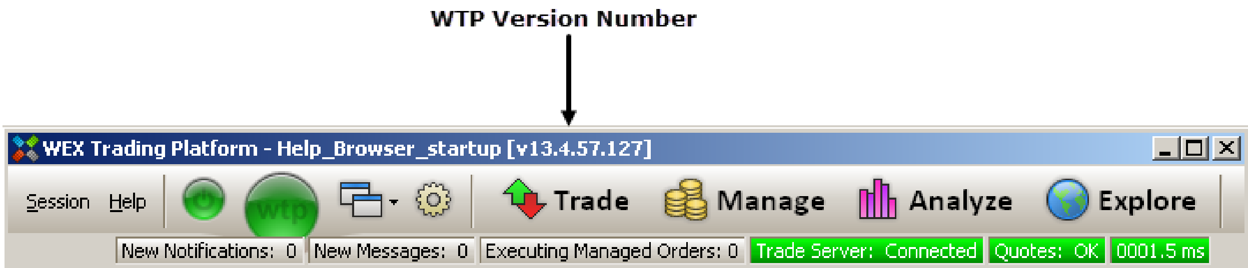
4. When a new password has been entered successfully, the **Security Question** window will launch. Enter the correct answer in the blank field and select **OK**. The login will commence and the new password will be in force.

Note about the Security Question Window: If, during a normal login, a security question and answer had not been previously defined, the Security Question window will launch. Select a security question from the drop-down list and enter an answer to the question. The selected question will appear in Step #4 above when issuing a password change.

"I forgot my password..." Feature

If a user forgets their WTP login password, selecting the **"I forgot my password..."** button in the Connection window causes a temporary password to be generated. Also, this informational message launches:

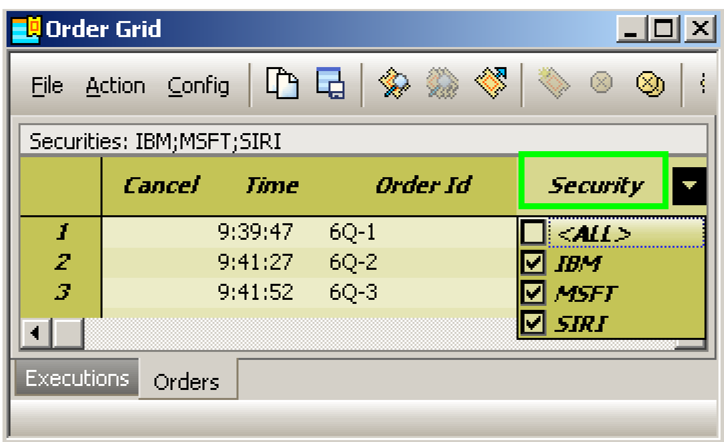
WTP Version Added to Title Bar



The version number of currently running WEX Trading Platform can now be seen in the WTP title bar.

The version number can also be viewed by selecting **About WTP** in the **Help** menu.

Security Drop-Down Filter Available in Order Grid



In the Order Grid, the ability to view only desired securities has been made easier with the addition of the **Security** drop-down filter.

1. Add the Security column to the Order Grid using the **Field Chooser**. The Security column is found under the Quote category.

2. Press the down arrow at the top of the Security column to view a list of all securities currently displayed in the Order Grid.

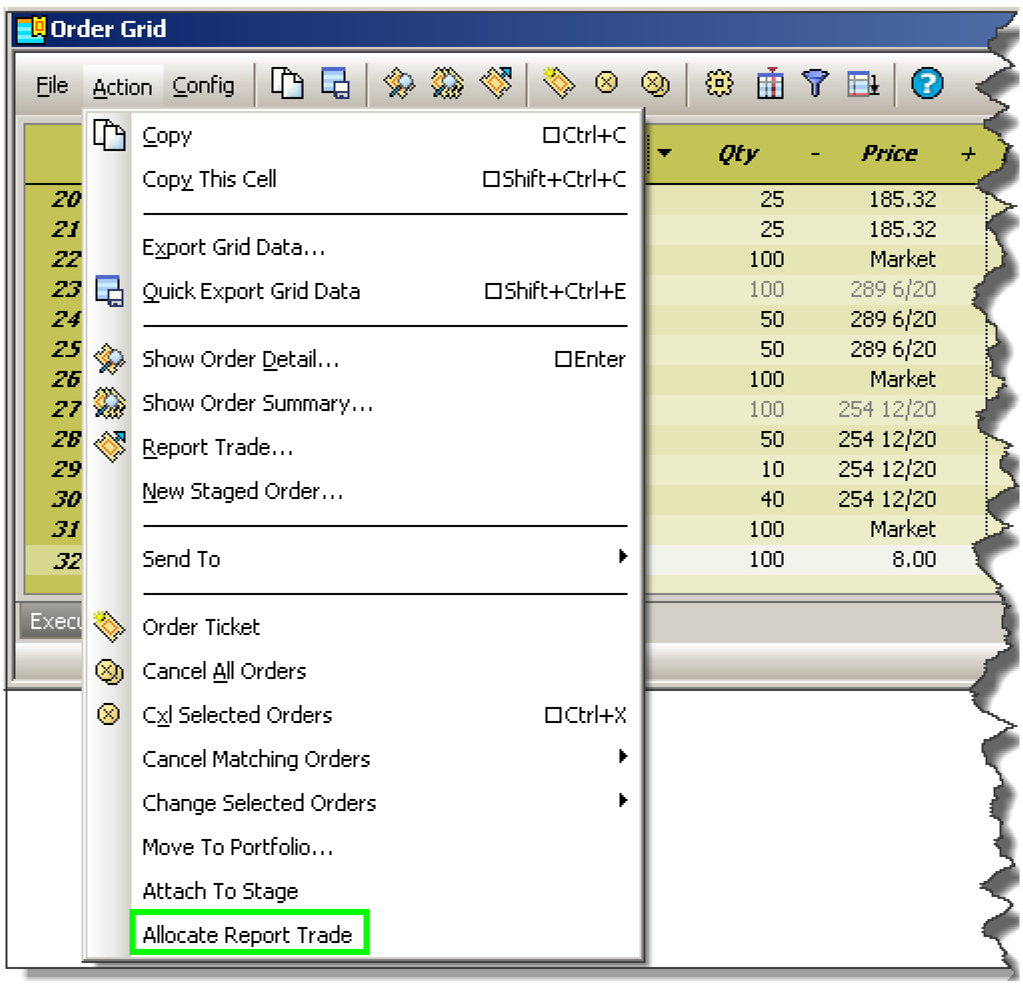
3. Check all securities that are to be displayed. Check ***<ALL>*** to display all listed securities.

13.4.55.0

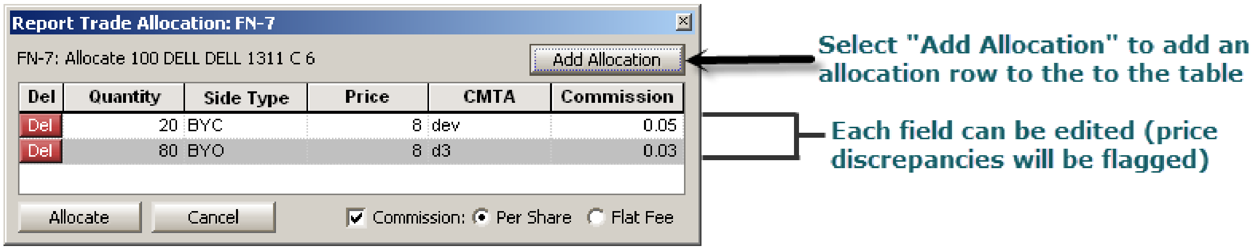
August, 2013

- "Report Trade Allocator" Available in Order Grid
- "Per Share" Changed to "Per Contract" on Report Trade Ticket (Option Mode)
- New Notifications Added for Staged Executions

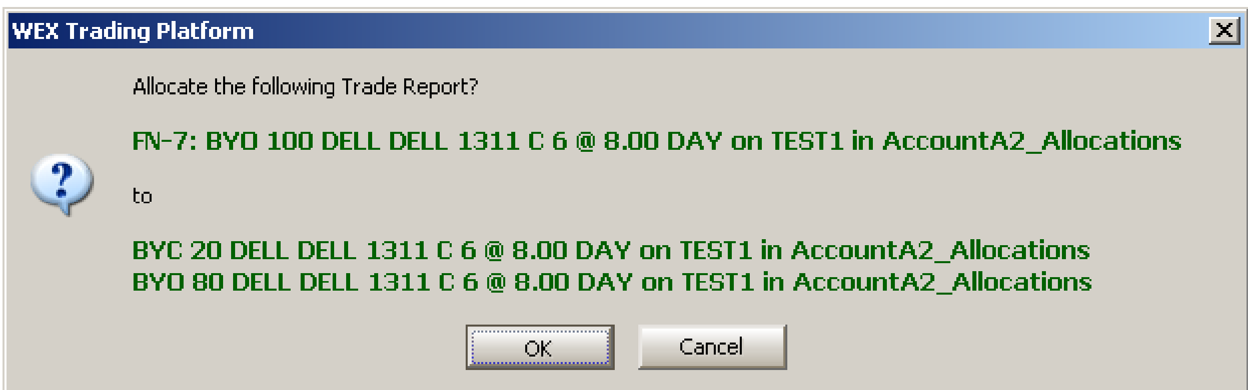
"Report Trade Allocator" Available in Order Grid



After reporting a trade (with the Report Trade Ticket), select Allocate Report Trade *to define allocations.*



Two allocations have been created from the original quantity of 100 shares (20 and 80 respectively). Note that different side types, CMTA, and Commission values have been defined.



Confirmation window summarizes the report trade allocation.

Filled orders that have been reported with the **Report Trade Ticket** can have their quantities and other related values allocated as desired.

In the example above, a filled 100-share option order was reported. Selecting **Allocate Report Trade** launches the **Report Trade Allocations** window. In the first line, a quantity of 20 shares is defined with associated side type, price, CMTA value, and commission price. The second line (80) refers to the quantity available for allocation after the first line has been input.

When satisfied with the allocations, the **Allocate** button is selected, and a confirmation window launches containing details of the allocations.

Note 1: If there is difference in price from one allocation to another, WTP will flag the discrepancy. The allocation can still commence despite the price difference.

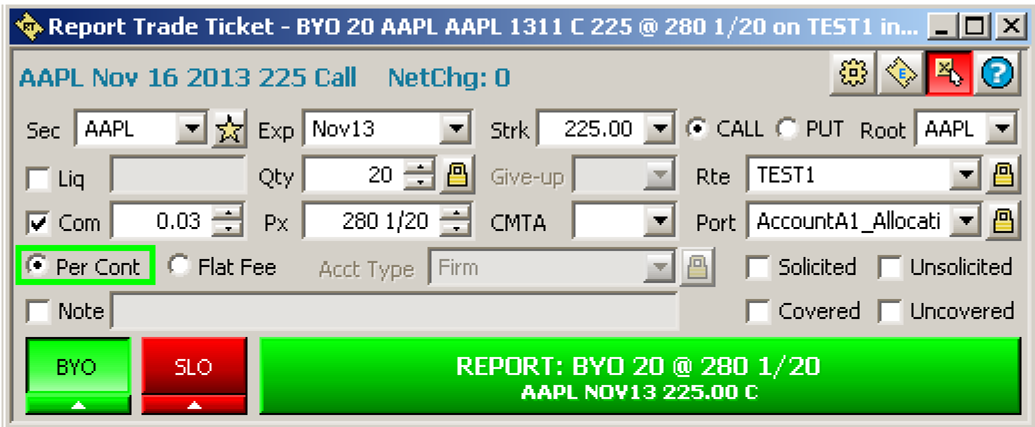
Note 2: Multiple reported trades can be allocated in a single Report Trade Allocation window *if* the symbol, side type, route, and portfolio are identical for each order. For staged orders, the staged order parent ID must be identical for each order.

Note 3: Although a specific *side type* can be changed (for example, BYO to BYC), the side (Buy/Sell) cannot.

Note 4: The entire quantity of the reported trade must be accounted for in the sum of the allocations, otherwise the allocation cannot be completed. For example, a 100-share order cannot be allocated unless the total of all allocations equals 100.

Step-by-step instructions on how to use Report Trade Allocation can be found **here**.

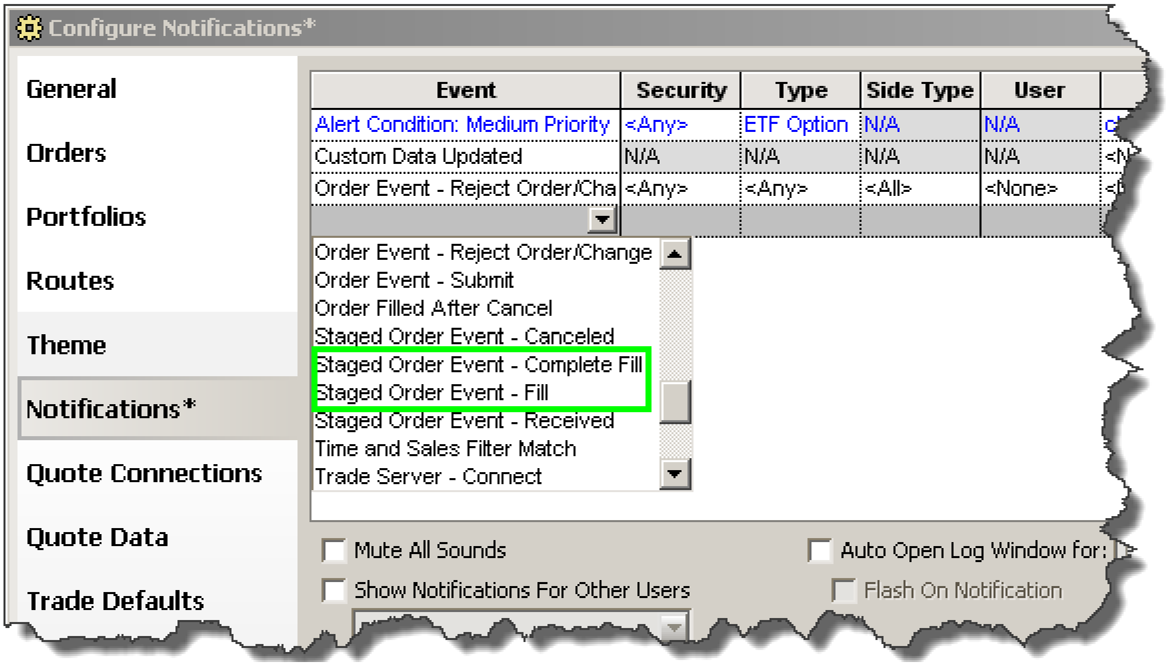
"Per Share" Changed to "Per Contract" on Report Trade Ticket (Option Mode)



In the Report Trade Ticket, Option mode, the selection formerly identified as "Per Share" has been renamed to **Per Cont** (Per Contract). This field is available for selection when a commission value is set.

Only the label has been changed. The previous "Per Share" label calculated the commissions based on the number of contracts.

New Notifications Added for Staged Executions



Two new staged order events are available for selection in Global Configuration, **Notifications** page:

- **Staged Order Event - Fill**

  The notification triggers when there is an execution generated on a staged order.

- **Staged Order Event - Complete Fill**

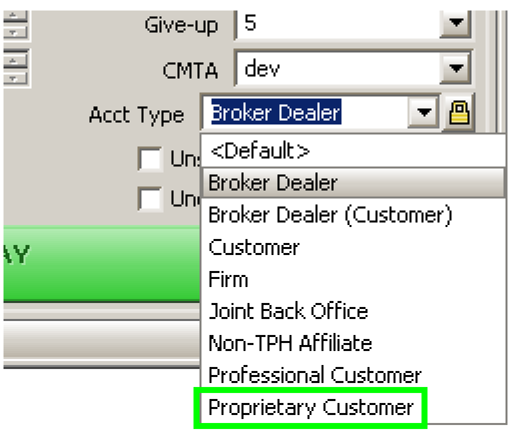
  The notification triggers when a staged order has been completely filled.

13.4.54.0

August, 2013

- [New Account Type: "Proprietary Customer"]
- [Background Color of Report Tickets Configurable]
- [New Function Allows Entering Reject Reason for Staged Orders]
- [Ability to Restore Deleted Managed Orders Now in WTP]
- [Filter Status Bar Replaces Filter Check Boxes in Some WTP Applets]

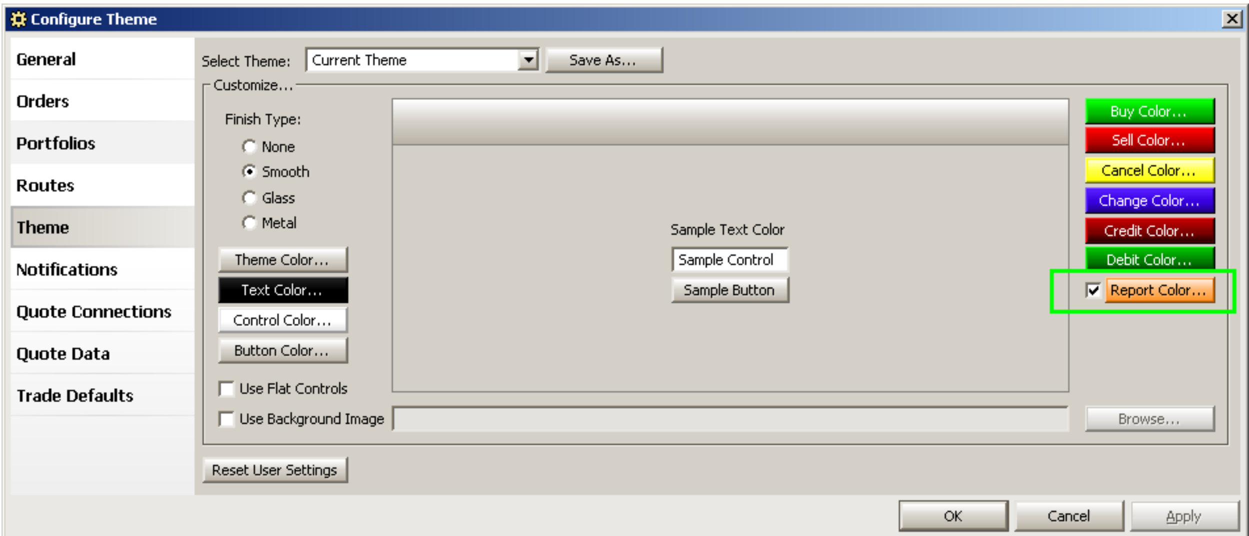
New Account Type: "Proprietary Customer"



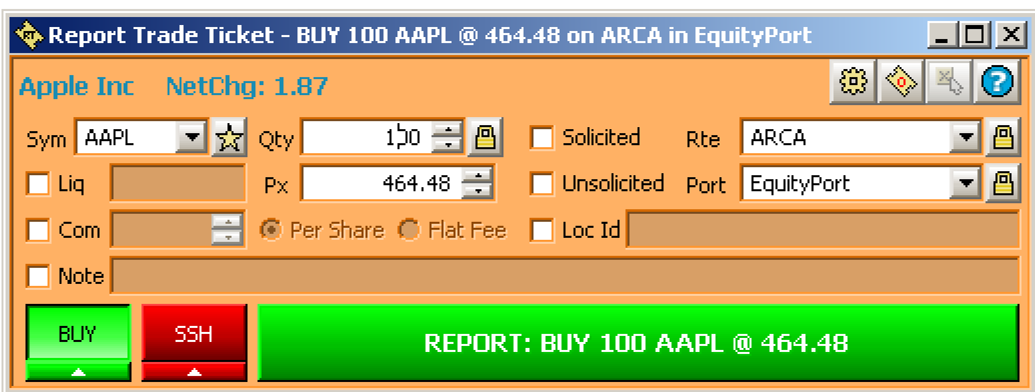
A new account type **Proprietary Customer** (a customer of a broker/dealer trading for a proprietary account) is now available for selection (in the ticket advanced mode) for the following WTP applets:

- **Order Ticket** (Option Mode)
- **Spread Ticket**
- **Basket Trader**
- **Option Quote Cube**

Background Color of Report Tickets Configurable



New color configuration button "Report Color" selects color for Report Trade Tickets



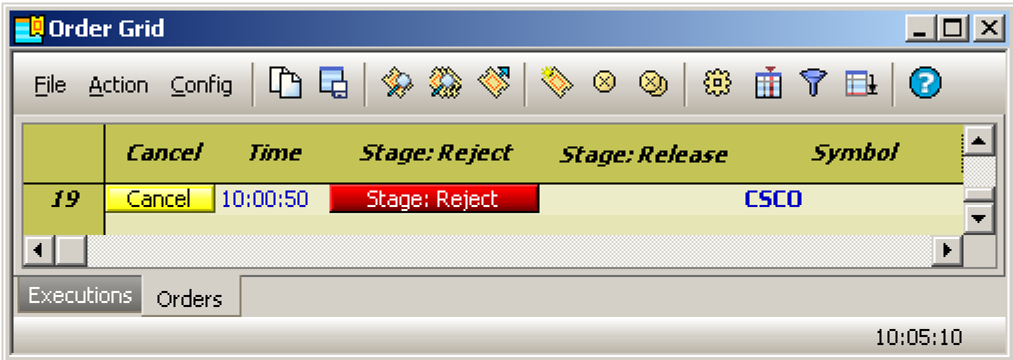
Result of "Report Color" configuration

A new color-definition button has been added to the **Theme** page of **Global Configuration.**

The button, **Report Color**, is used to define the background color of the **Report Trade Ticket**.

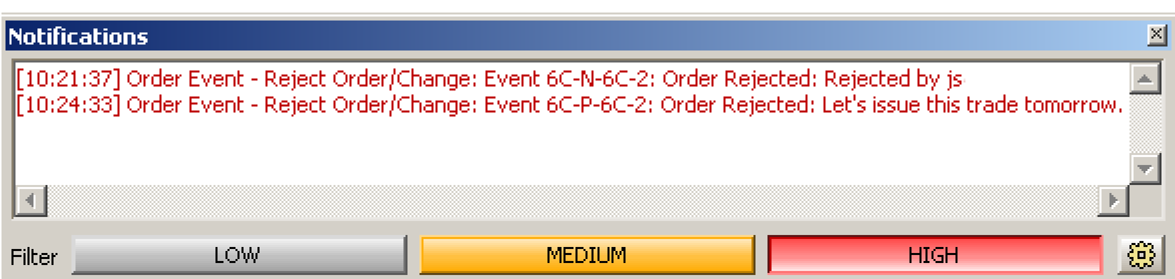
When Report Color is unchecked, the Report Trade Ticket will display in the system default color.

New Function Allows Entering Reject Reason for Staged Orders



Stage:Reject column and button in Order Grid. The button appears only for staged orders that are pending (i.e., not auto accepted).

When the Stage:Reject button is selected, a Reject Reason window launches. Enter a reject reason or just select OK.



The Notifications window will (when configured) report rejected orders. If no reason was given for the reject, only the user id will be displayed, otherwise the reason will be displayed.

In the **Order Grid**, pending stage orders (i.e., those orders that are not auto-accepted), can be rejected and an optional reject reason can be attached to the order.

The column **Stage:Reject** displays the **Stage:Reject** button for pending stage orders.

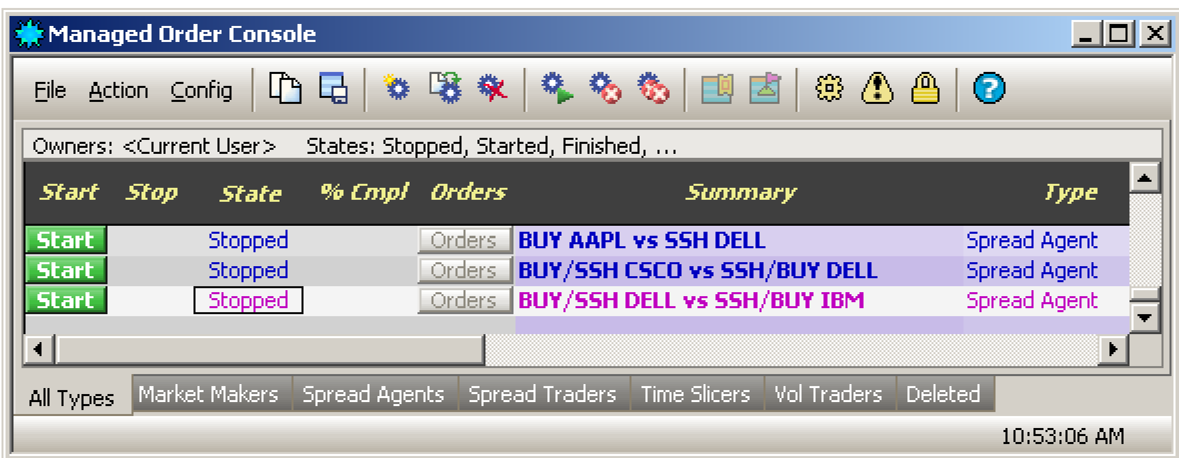
When an order is rejected and the reason for the rejection is not supplied, the default reason will be **"Rejected by [user id]"** and it will be recorded and reported as such in the **Notifications** window. When a reject reason is supplied, the reject reason will be recorded and reported in the Notifications window (see the Notifications window above for both types of reject reason reporting).

Note 1: Add the **Auto Accept** check box to the Staged Ticket with the **Ticket Editor** function. This box must be unchecked when sending a staged order for the Stage:Reject button to appear.

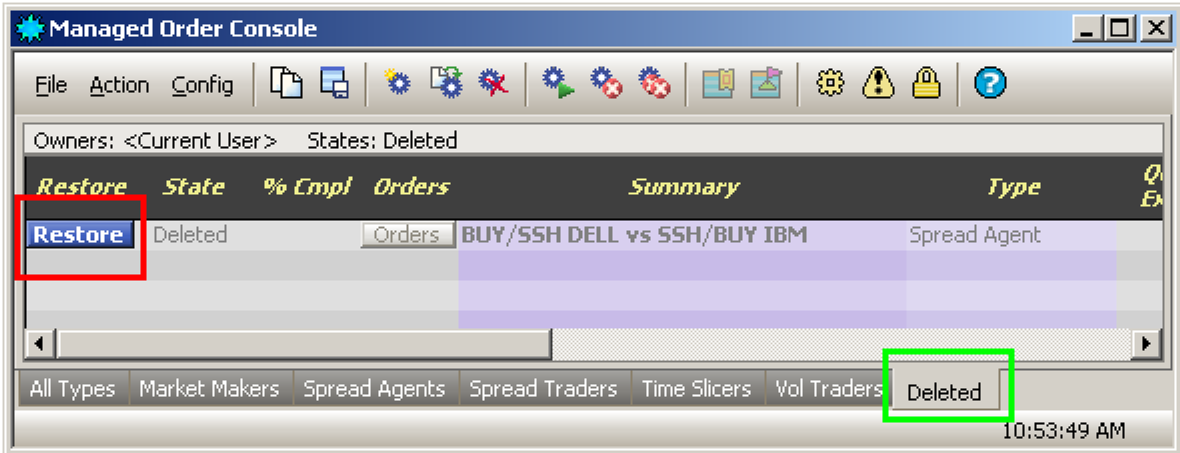
Note 2: Add the **Stage:Reject** column to the Order Grid using the **Field Chooser**.

Note 3: Add the notification event **"Order Event - Reject Order/Change"** to the **Notifications** window in Global Configuration to be notified when a reject order has been issued.

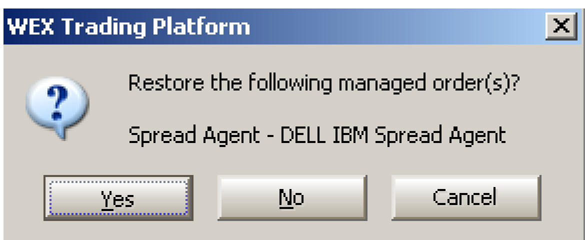
Ability to Restore Deleted Managed Orders Now in WTP



An order is selected and deleted from the Managed Order Console.



*The deleted order is placed on the **Deleted** tab. Select the **Restore** button to restore the order to the Managed Order Console. A confirmation window will launch:*



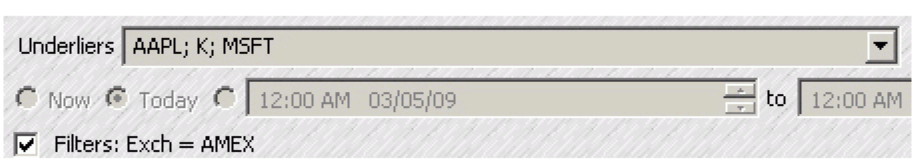
*Select **Yes** to restore the order. It will be removed from the "Deleted" tab and returned to the Managed Order Console.*

Any managed order that was deleted from the Managed Order Console can be restored. A new tab **"Deleted"** has been added for this purpose.

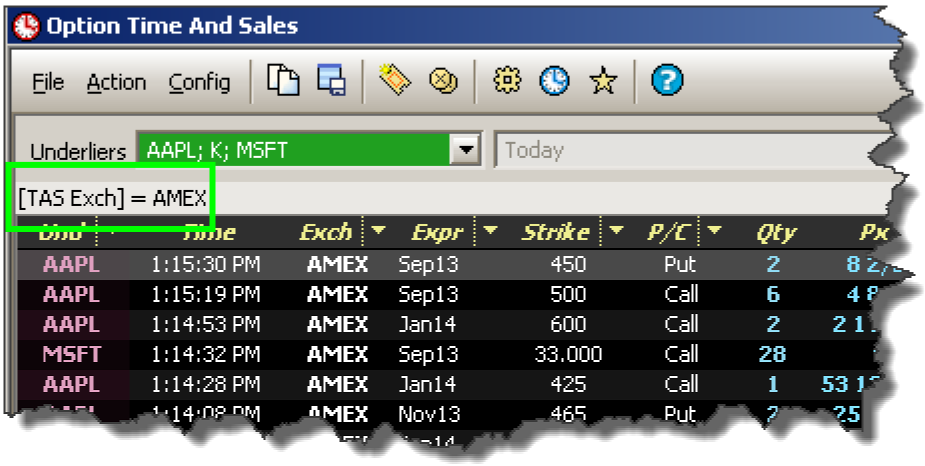
When a managed order is deleted, it is placed in the Deleted grid. Select the **Restore** button and choose **Yes** from the confirmation window. The managed order will be returned to the Managed Order Console.

Note: A deleted managed order must be from the *current day* to be restored.

Filter Status Bar Replaces Filter Check Boxes in Some WTP Applets



The Filter Check Box (above) has been replaced with a Filter Status Bar:



The **Filter Status Bar** replaces the Filter Check Box in the following WTP applets:

- Equity Time and Sales
- Option Time and Sales
- Option Sector Viewer

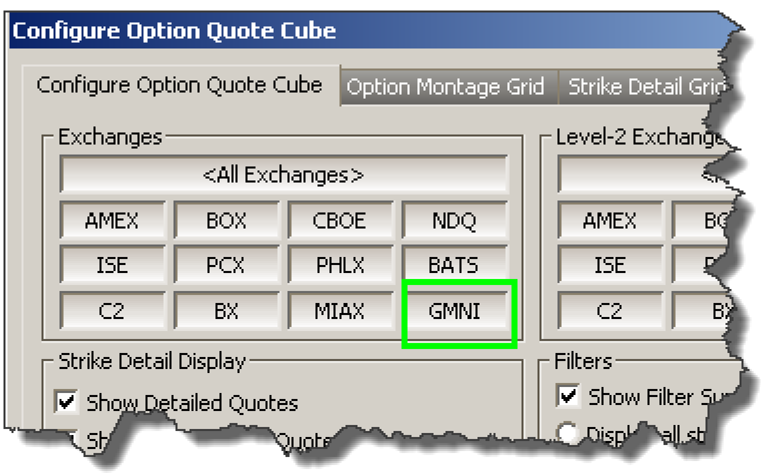
The Filter Status Bar is already functional in all other WTP grid-based applets.

13.4.53.0

July, 2013

- ISE Gemini Exchange supported in WTP
- Notes can now be modified after an order has been filled
- View Average Leg Price Across Multiple Spreads
- Commission Field Available in select WTP apps
- Managed Order Applets Percentage Order and Trade Ripper Retired
- Chart Viewer renamed Tick Chart Viewer

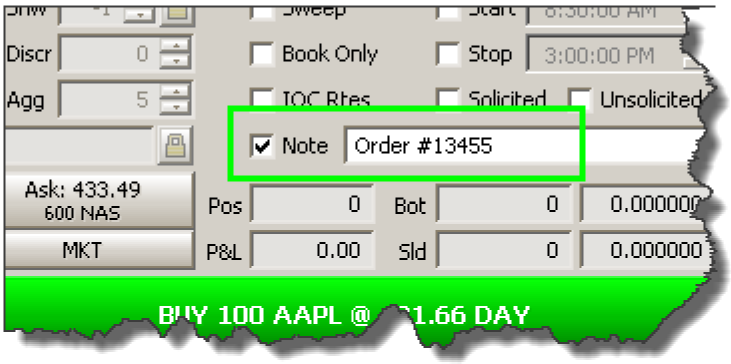
ISE Gemini Exchange supported in WTP



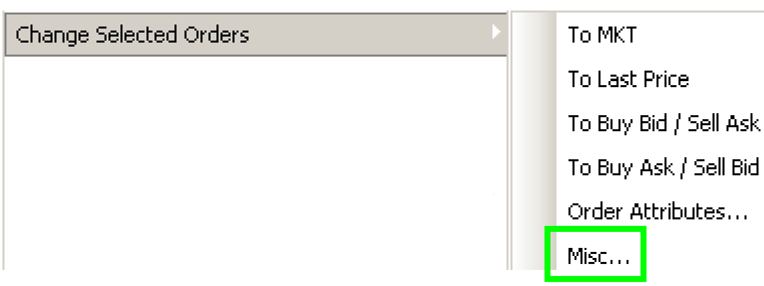
In April, 2013, the International Securities Exchange (ISE) announced **ISE Gemini** as the brand name of its new options exchange. The exchange is set to launch in August, 2013, pending regulatory approval.

The Gemini Exchange is available for selection in **Option Quote Cube, Order Ticket, Crossing Ticket, Spread Book, Spread Builder,** and **Spread Ticket.**

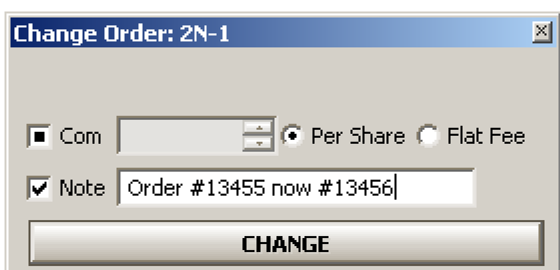
Notes can now be modified after an order has been filled



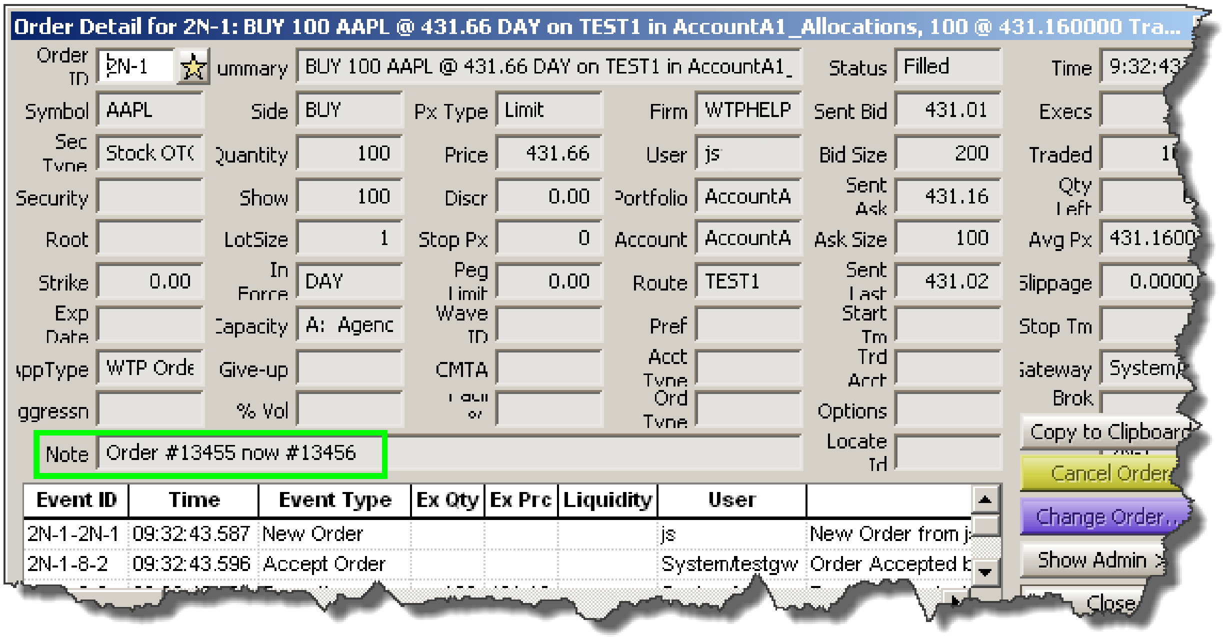
A note is added to the Order Ticket



*To change an existing note in the Order Grid, right-click on a filled order and select **Change Selected Orders --> Misc...***



*The **Change Orders** window launches. Changes to the note are made here.*



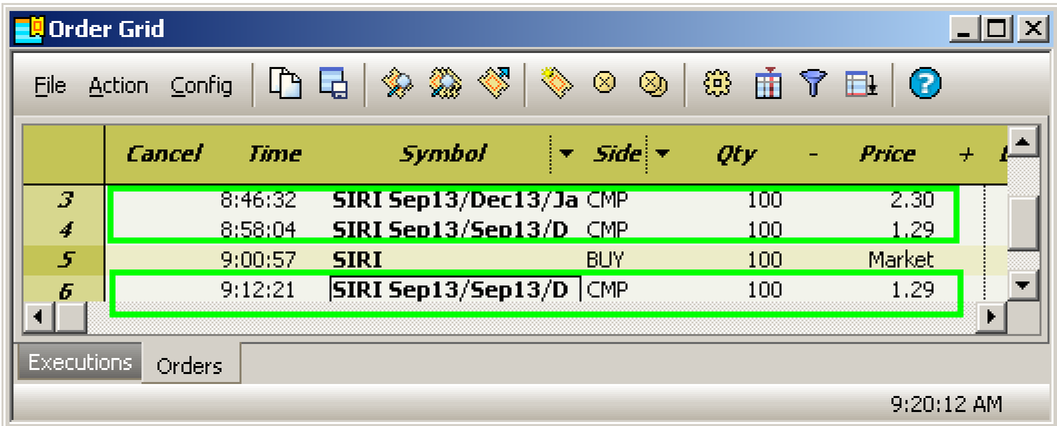
The updated note can now be seen in the Order Detail screen.

The note field (found in the various order tickets of WTP) can be modified in the **Order Grid** after an order has been filled. No changes are allowed while an order is live.

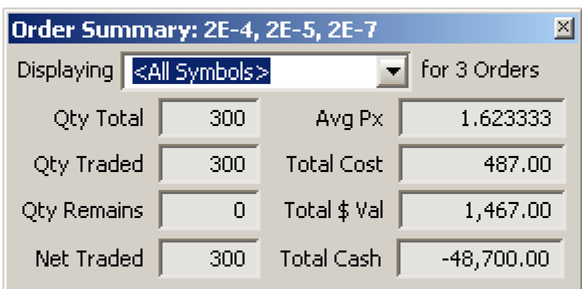
To modify a note field:

1. Right-click on an order and select **Change Selected Orders-->Misc...**
2. The **Change Orders** window launches. Enter changes to the note in the checked **Note** field.
3. Select **Change** to update the note.

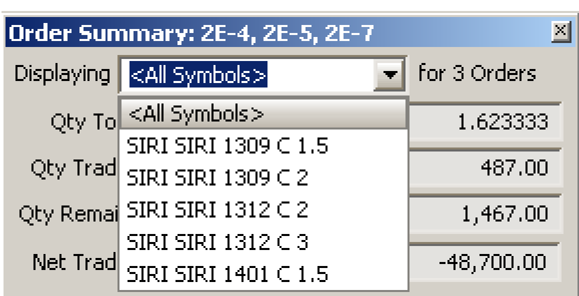
View Average Leg Price Across Multiple Spreads



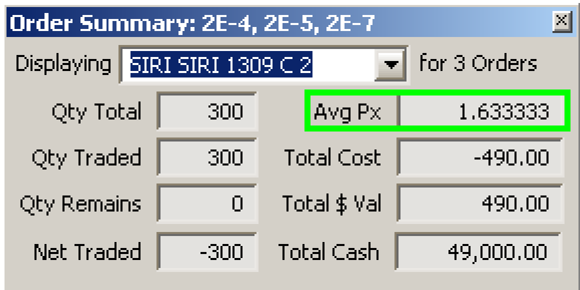
Three filled spreads selected in Order Grid.



Order Summary for all selected orders.



Drop-down list allows for the selection of individual legs.



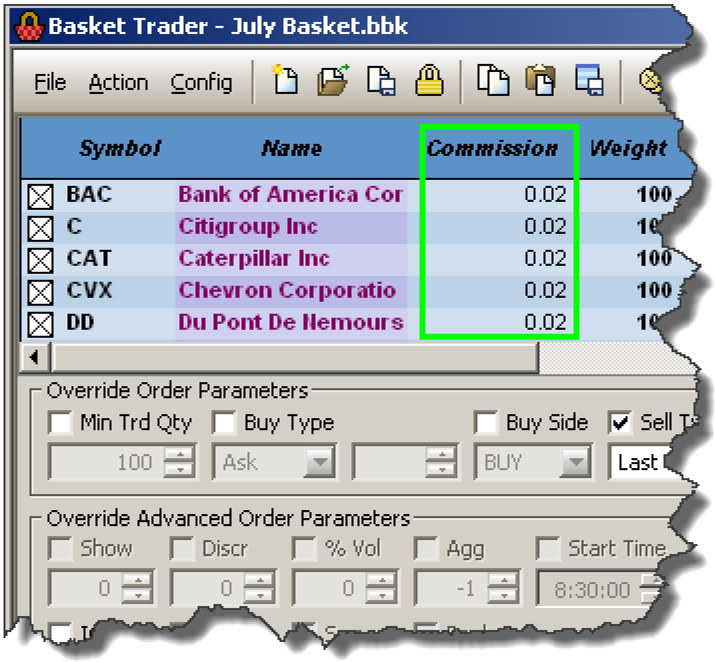
The selected leg appears in 3 orders. The average price per leg is displayed.

The average leg price across multiple spreads can now be viewed in the **Order Summary** window in the **Order Grid**.

1. Select multiple orders and press the Order Summary icon 
2. From the **Displaying** drop-down list, select a specific leg. The summary will include the average price per leg.

By default, the Order Summary will display **<All Symbols>** when selected.

Commission Field Available in select WTP apps



A new column "**Commission"** is available in select WTP applets. Values in this column can be set directly in the grid in which it resides.

For the **Order Ticket**, a Commission control can be added. Commission values can be set directly on the ticket.

The Commission column can be added to the following basket-related applets:

- **Basket Trader**
- **Crossing Basket Trader**
- **Spread Basket Trader**
- **Staged Basket Trader**

The following ticket applets also support the Commission field:

- **Order Ticket**
- **Report Trade Ticket**
- **Staged Ticket**
- **Crossing Ticket**

Learn how to add a column with the **Field Chooser**.

Learn how to add a control to an order ticket with the **Ticket Editor**.

Managed Order Applets Percentage Order and Trade Ripper Retired

Both Percentage Order and Trade Ripper have been retired from WTP. They will no longer be accessible.

Note: All Help page references to Percentage Order and Trade Ripper have been removed.

Chart Viewer renamed Tick Chart Viewer

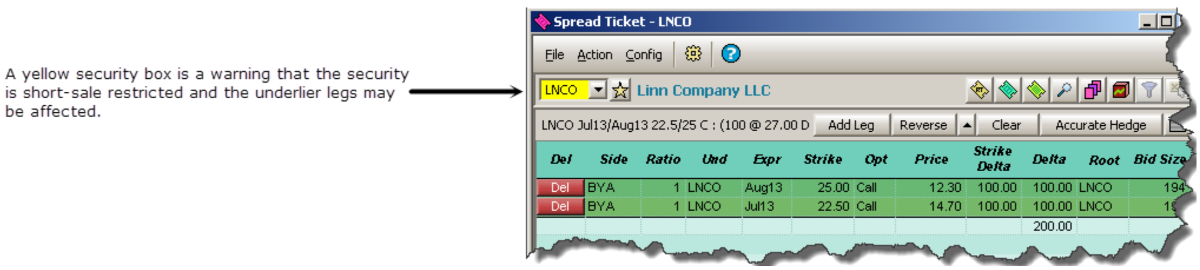
The WTP applet formerly known as Chart Viewer has been renamed to **Tick Chart Viewer**. Functionality remains the same.

13.4.52.0

June, 2013

- [Short Sale Restricted Status Now Supported in WTP]
- [Activ and Solace Market Data Supported in this Release]

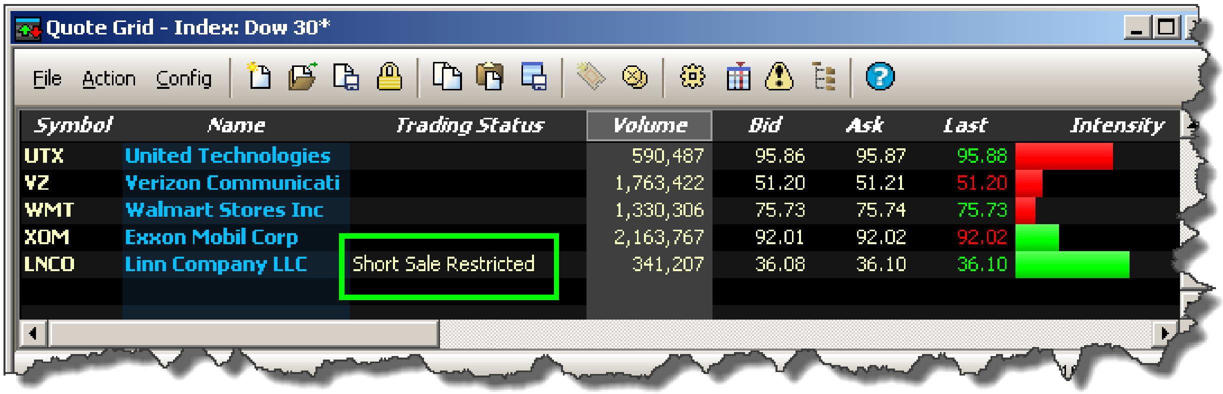
Short Sale Restricted Status Now Supported in WTP



The symbol field in Order Tickets and Spread Ticket has been updated so that 'Short Sale Restricted' securities are flagged with a specific color:

- **Yellow (Spread Ticket)**—The underlier security is short-sale restricted.
- **Red (Order Tickets, Equity Quote Cube)**—The side type is SLA, SSE, SSH and the security is short-sale-restricted.

The **Trading Status** column in **Quote Grid** will display **"Short Sale Restricted"** for applicable securities:



Activ and Solace Market Data Supported in this Release

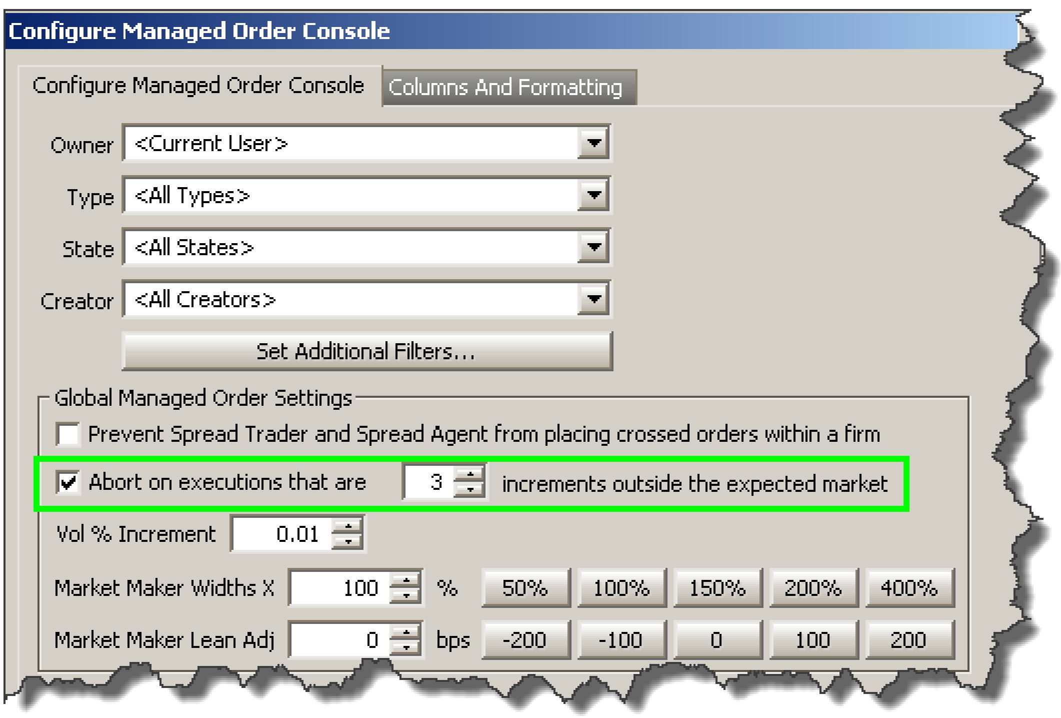
From WTP release version 13.4.52.0 going forward, both Activ and Solace market data are fully supported.

13.4.51.0

June, 2013

- New Global Managed Order Setting: Abort on Executions Outside the Expected Market
- "Close On Execute" Function Added to Spread Ticket and Spread Builder
- BOX Spreads Now Supported in WTP
- Jumbo Options Now Supported in WTP
- Force Connect Added to Global Configuration

New Global Managed Order Setting: Abort on Executions Outside the Expected Market

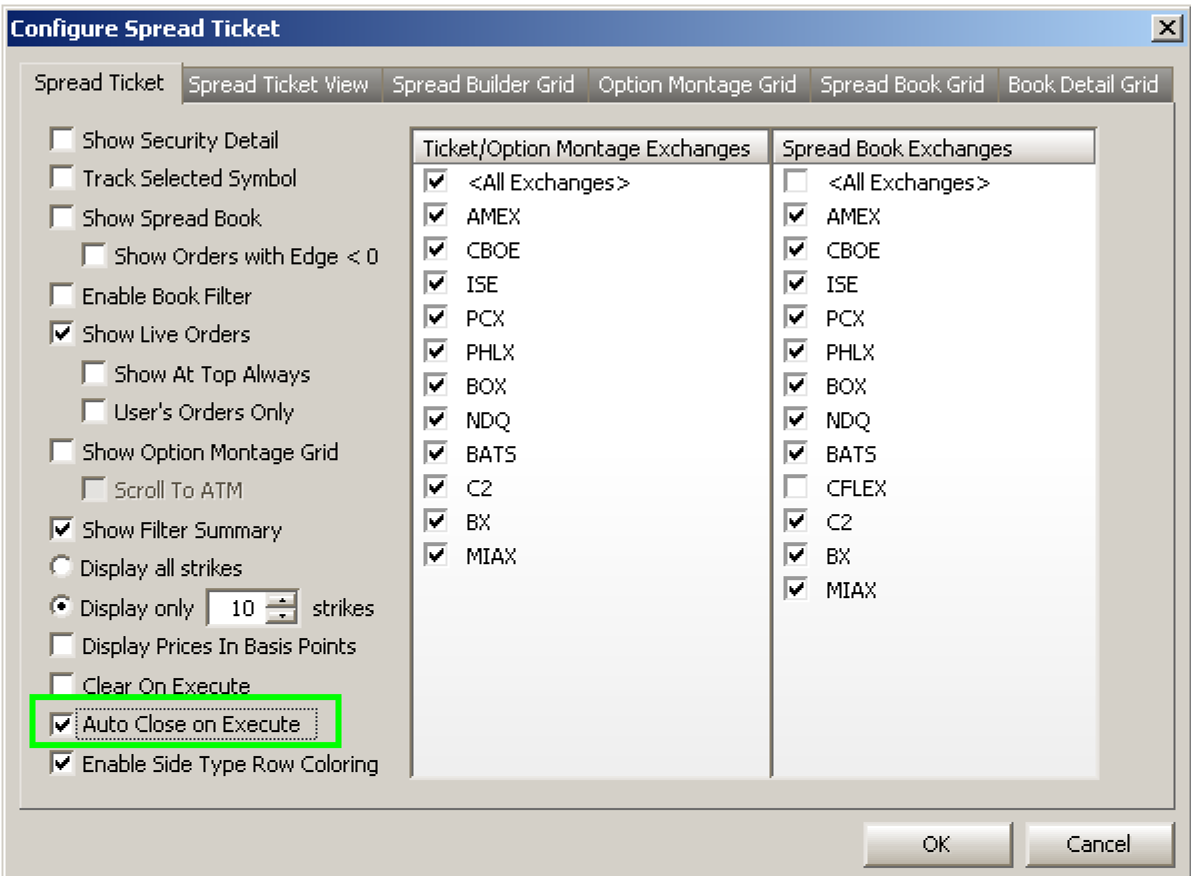


A new global managed order setting **"Abort on executions that are _ _ _ increments outside the expected market** has been added to the Managed Order Console configuration window.

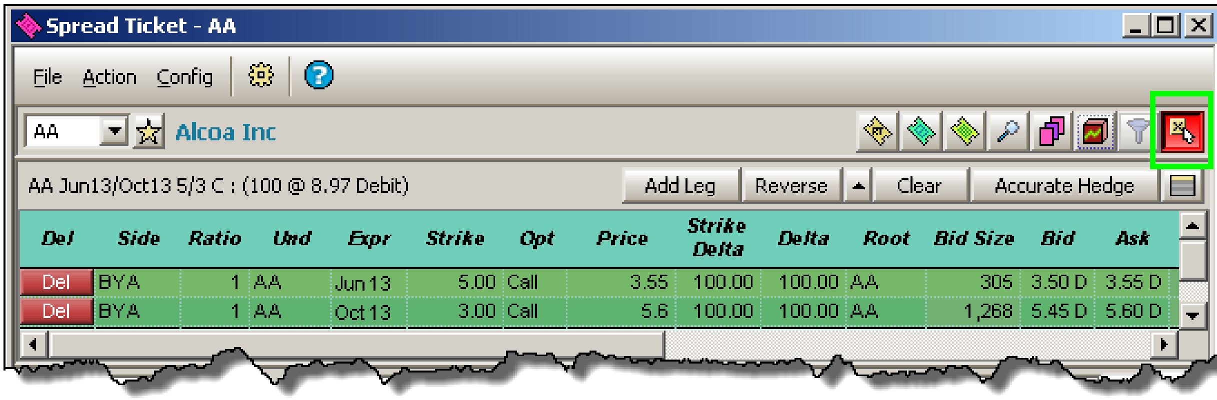
When selected, a managed order will abort if the execution price is **X** increments outside the *expected price* (the market bid or ask price that WTP had at the time the order was sent).

Note: Contact **WEX Support** to have this feature enabled.

"Close On Execute" Function Added to Spread Ticket and Spread Builder



Click "Auto Close on Execute" to enable the feature.



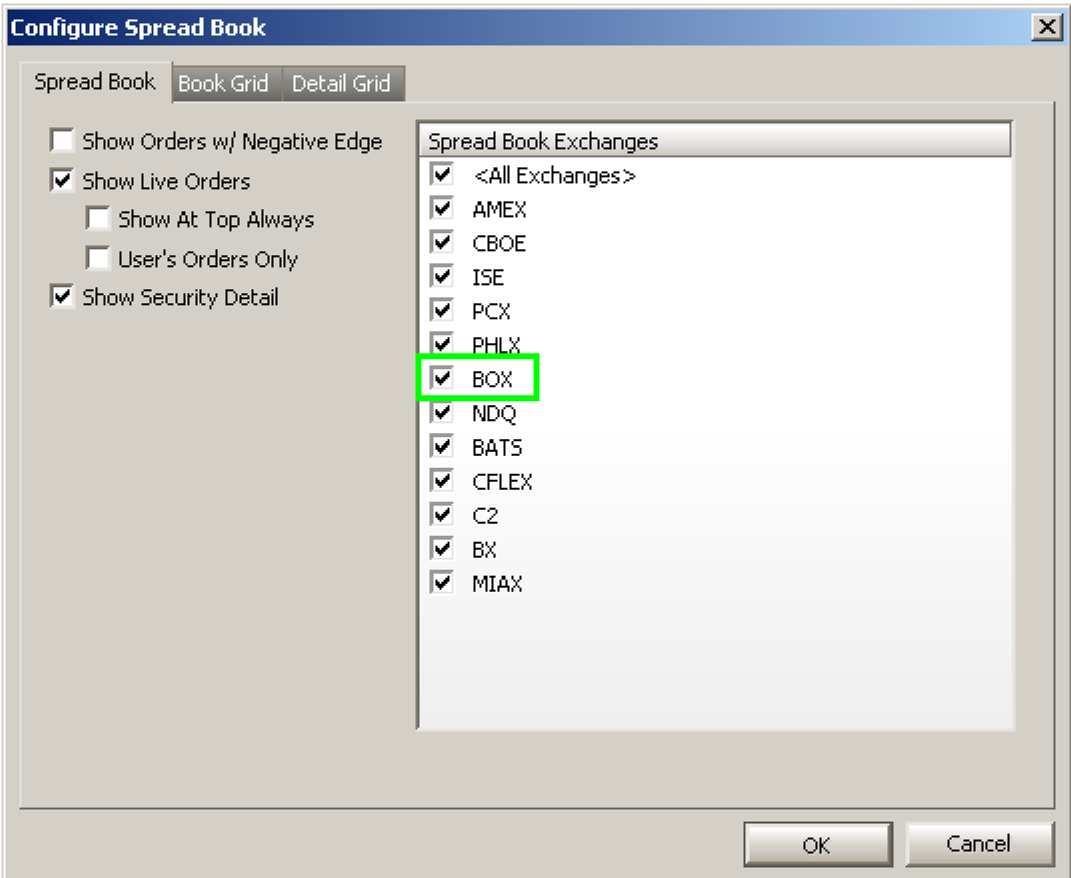
"Auto Close on Execute" enabled

Spread Ticket and **Spread Builder** will close upon a successful buy or sell order if the **Auto Close on Execute** option is selected in the **Configure Spread Ticket/Spread Builder** window. The selected app's auto close button will be displayed in red. The feature can be disabled by pressing the auto execute button.

If it is preferable to enable the auto close button each time Spread Ticket/Spread Builder launches, select Auto Close on Execute and save the Spread Ticket/Spread Builder as the default template.

Note: Auto Close on Execute will be enabled automatically when a **send to** command is issued with Spread Ticket or Spread Builder as its destination.

BOX Spreads Now Supported in WTP



BOX (Boston Options Exchange) has recently begun trading spreads.

BOX is available for selection from the configuration screens for **Spread Book**, **Spread Ticket**, and **Spread Builder**.

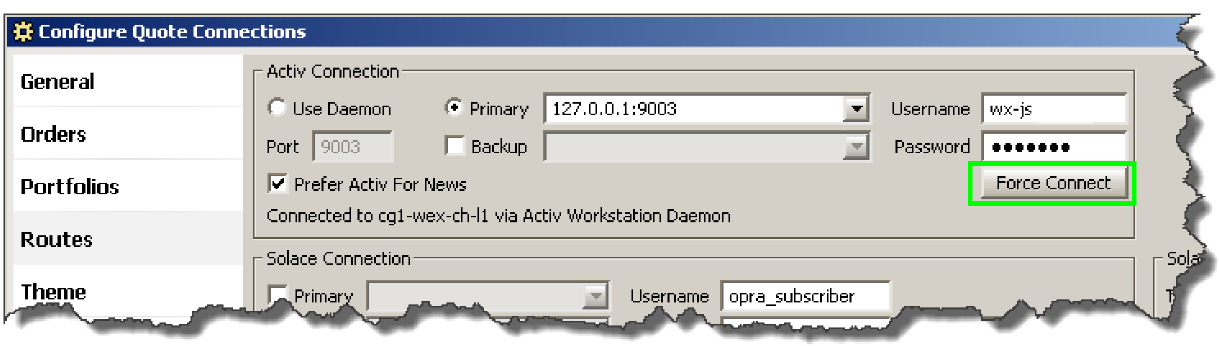
Note: Permission to trade BOX spreads is required. Contact **WEX Support** to have the feature enabled.

Jumbo Options Now Supported in WTP

Large option contracts also known as **Jumbo Options** began trading on the BOX on May 13, 2013. Traders can now execute these contracts on the **SPDR S&P 500 ETF** under the ticker symbol **SPY.**

Support for these jumbo options has been enabled in **Option Quote Cube** and **Spread Builder**.

Force Connect Added to Global Configuration



A **Force Connect** button has been added to the **Activ Connection** portion of Global Configuration's **[Quote Connections]()** window.

If Activ has not been able to make a successful connection, selecting Force Connect will display any username or password issues that need to be fixed.

Force Connect can also be used to manually disconnect from, and reconnect to, Activ.

Before selecting the Force Connect button, be sure to save configuration changes by hitting **Apply**.

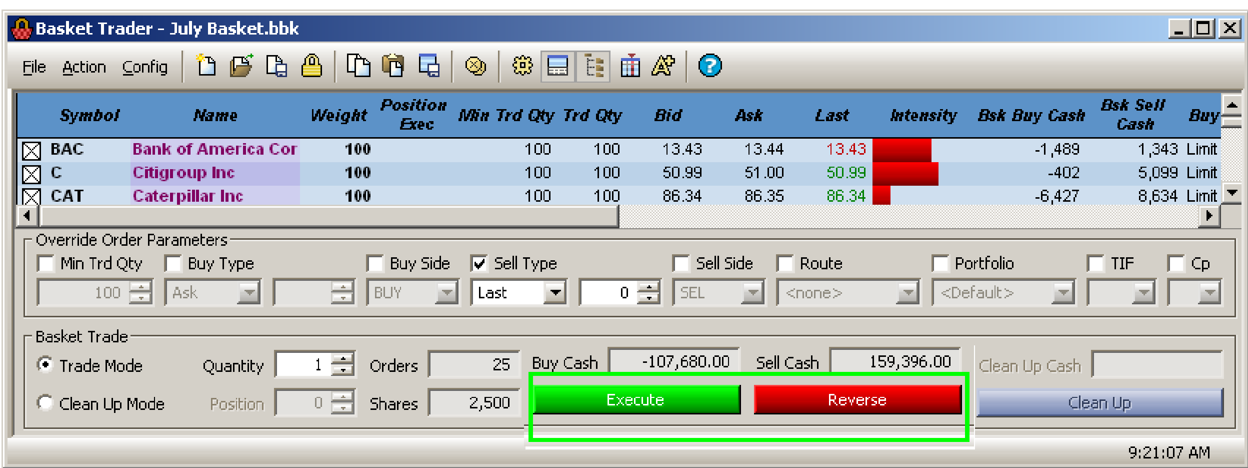
Note: This feature can be used to forcibly disconnect other WTP instances using the same username from Activ. Contact **WEX Support** to have the feature enabled.

13.4.50.0

May, 2013

- Buy/Sell Buttons Renamed to Execute/Reverse in Basket Trader and Stage Basket Trader
- Basket Trader or Spread Basket Trader Launches When Multiple Staged Orders are Released
- Order Grid Column: "Lmt Away Last"
- Global Configuration Improvement: Notification Event Added for Change Orders
- Spread Book Filter Improvements

Buy/Sell Buttons Renamed to Execute/Reverse in Basket Trader and Stage Basket Trader



The **Buy** and **Sell** buttons in **Basket Trader** and **Stage Basket Trader** have been renamed to **Execute** and **Reverse**.

The unintuitive nature of an order with **negative weight** (e.g., a buy order is actually a sell order and vice versa) precipitated the change.

Basket Trader or Spread Basket Trader Launches When Multiple Staged Orders are Released

Three staged orders selected in Order Grid. When "Stage: Release" is pressed, Basket Trader launches, populated with the selected orders.

The following changes have been made in WTP when selecting two or more staged orders for release:

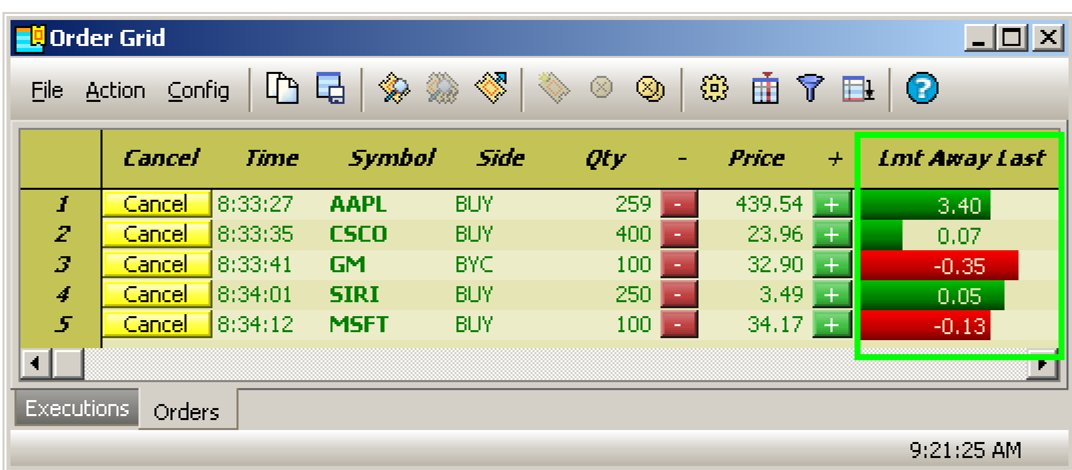
- If none of the staged orders is a spread, **Basket Trader** launches.
- If any of the staged orders is a spread, **Spread Basket Trader** launches.

If only one staged order is selected for release:

- If the order is not a spread, the regular **Order Ticket** launches.
- If the order is a spread, the **Spread Ticket** launches.

In all cases, when launched, the specific Basket Trader app will be populated with the selected staged orders and their staged order IDs.

Order Grid Column: "Lmt Away Last"



Lmt Away Last (Limit Away Last) is a column available in the Order Grid. It provides traders with values that determine how close or far away the current price of a security is based on the current order price.

The values in the column are derived as follows:

Outright Orders

- Buy Orders = Order Price - Ask Price

- Sell Orders = Bid Price - Order Price

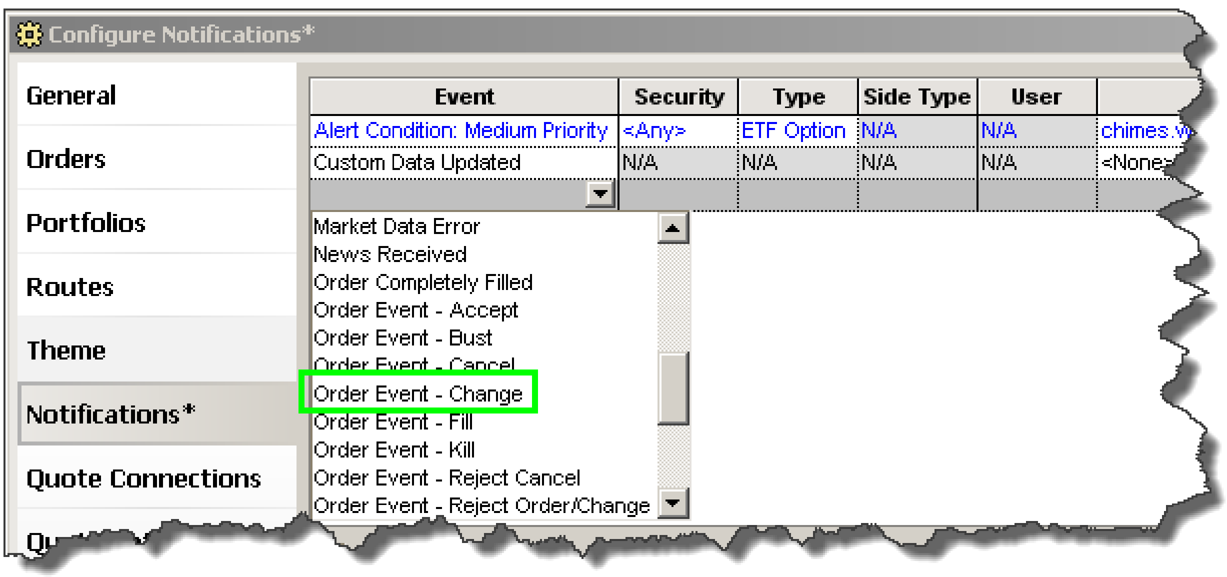
Complex Orders

- Order Price - Ask Price

Note: As expected, whenever the price is changed, the Lmt Away Last value will change as well.

The Lmt Away Last column is found under the **Order** category when using the **Field Chooser.**

Global Configuration Improvement: Notification Event Added for Change Orders



A new Global Configuration event **notification "Order Event - Change"** is now available. When selected, an optional sound or notification can be attached to the event whenever an unfilled order is changed.

This event can have both a user and side type defined.

Spread Book Filter Improvements

Filter description status bar now in Spread Book.

The following improvements have been made to **Spread Book**:

- The **Filters** check box has been removed.
- A **filter description status bar** is now displayed whenever a filter is enabled.
- Double-clicking the filter description status bar launches the **Filters** window where expressions, conditions, and target values are defined.

13.4.49.0

May, 2013

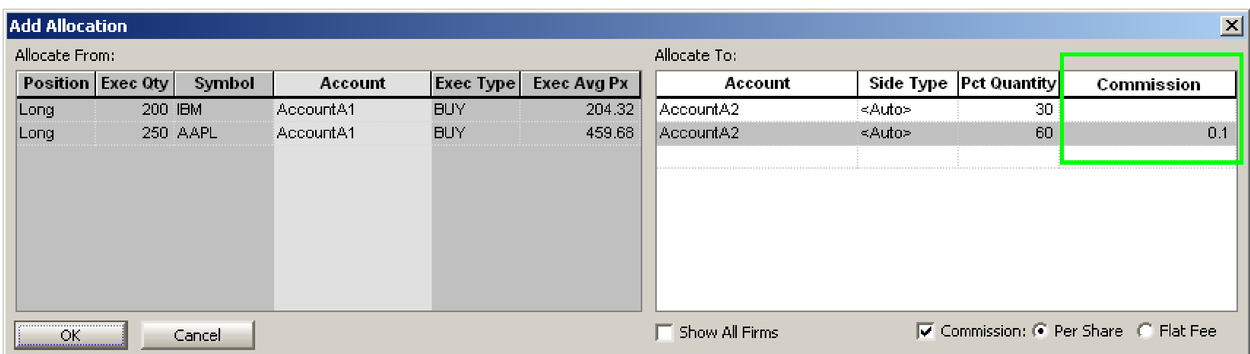
- **Allocator Commission Check Box Warnings**

The Commission feature of [Allocator] has been improved by providing a warning message when a per-share or flat-fee commission value of zero (or blank) or a value greater than $0.05 is selected.

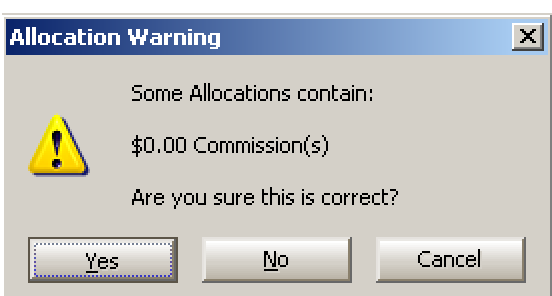
Empty commission values are interpreted as "No commission on this allocation."

When **Commission** is unchecked, the Commission column will not be displayed, resulting in the same interpretation as an empty commission value.

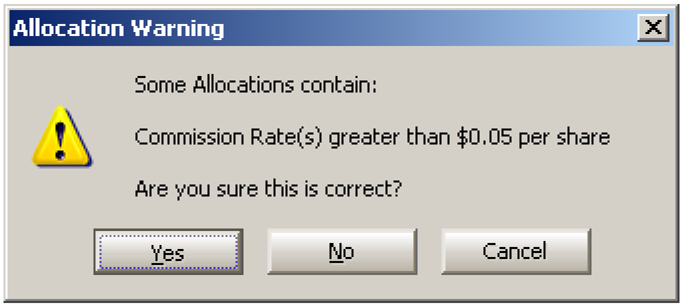
Allocations can be successfully completed despite the warning messages. Click **Yes** on the warning message to allow the allocation to complete.



Add Allocation window. First per-share commission field is blank, second is greater than $0.05. Either condition yields a warning message.



Warning message when a per-share or flat-fee commission value is zero or blank.



Warning message when per-share or flat-fee commission value is great than $0.05 per share

Warning message when two or more per-share or flat-fee commissions are either zero or greater than $0.05 per share

13.4.48.0

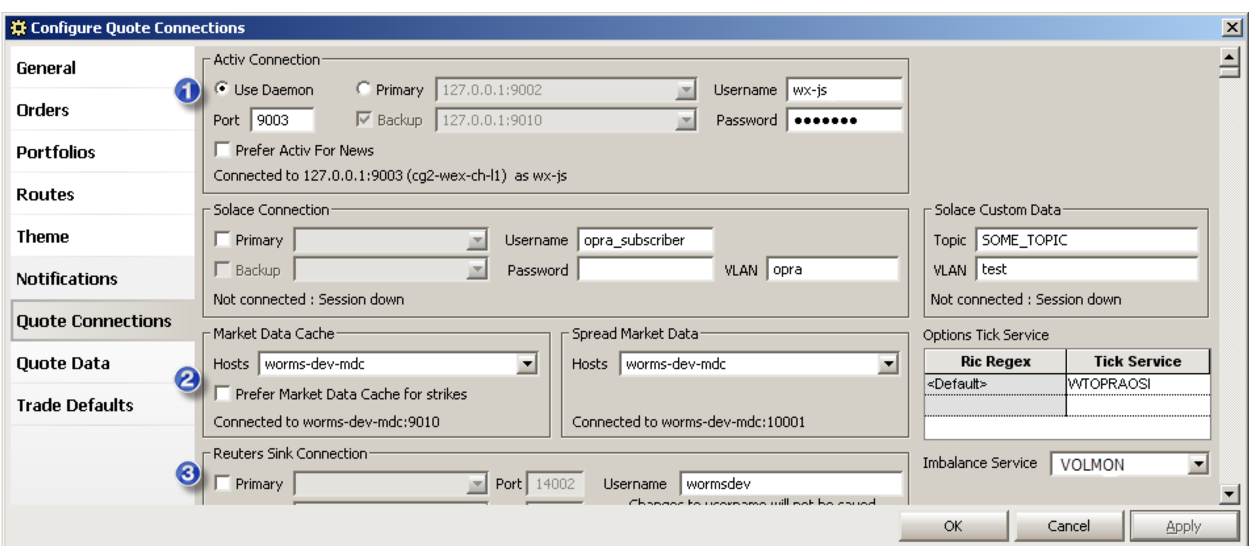
April, 2013

- New Layout for Global Configuration Quote Connections Page
- Global Configuration Quote Connections Improvement 1: Use Daemon Field (for Activ Connection)
- Global Configuration Quote Connections Improvement 2: New Spread Market Data Field
- Options Column Button Added to Order Grid
- Price Per Leg Added to Default Flex Ticket Template

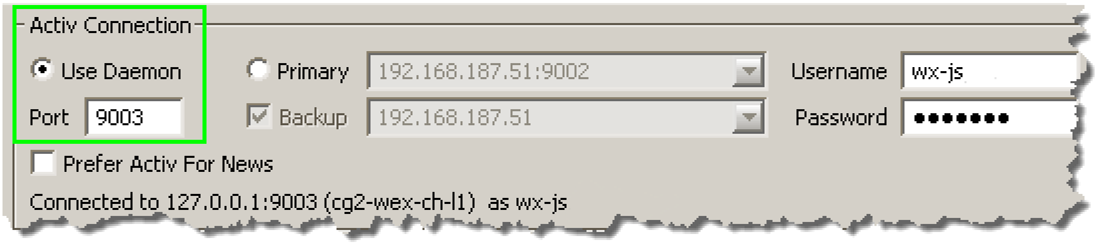
New Layout for Global Configuration Quote Connections Page

The **Quote Connections** page of **Global Configuration** has been reformatted with these improvements:

1. The **Activ Connection** section has been moved to the top of the window along with the **Prefer Activ For News** selection.
2. The **Mkt Data Cache** and **Spread Market Data** (formerly **Worms Quoter**) fields have been moved to the middle of the screen and have been made more descriptive.
3. The **Reuters Sink Connection** section has been moved to the bottom of the window.



Global Configuration Quote Connections Improvement 1: Use Daemon Field (for Activ Connection)

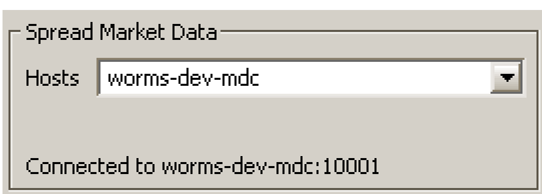


In Global Configuration, on the **Quotes Connections** page, an Activ connection can now be defined by a primary route *or* by a **daemon** background process.

This feature simplifies the way to configure the daemon. When **Use Daemon** is selected, a **Port Number** must be entered (e.g., 9003) instead of a full address (e.g., 192.168.187.51:9002). After selecting **Apply**, a message will be displayed indicating whether or not a connection has made. If the message is "Not connected" it will also display the time (in seconds) in which a reconnection will be attempted.

When **Use Daemon** is selected, both **Primary** and **Backup** selections are unavailable for editing.

Global Configuration Quote Connections Improvement 2: Spread Market Data Field

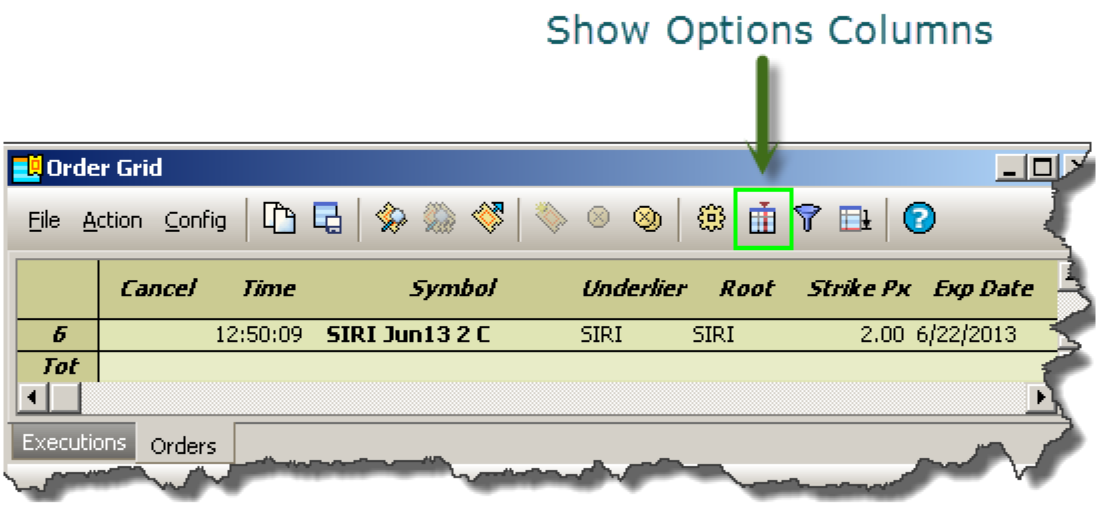


The host(s) from which spread market data can be derived are selected in the **Spread Market Data** section of Global Configuration (**Quotes Connections** page). This field was previously known as **Worms Quoter**.

From the drop-down list in the Hosts field, check the box next to each desired host name.

For both the **Market Data Cache** and **Spread Market Data** fields, the connection status is displayed (connected, disconnected, pending reconnect),

Options Column Button Added to Order Grid



The **Order Grid** has been improved with easier access to options columns.

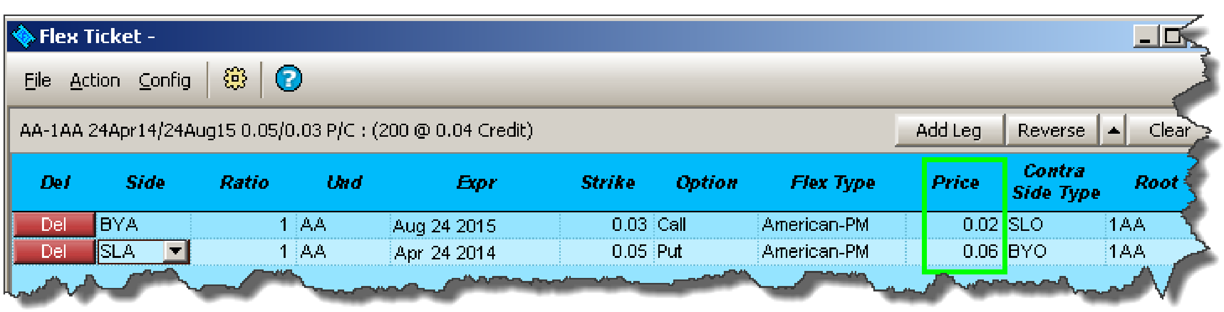
To display options columns:

- Select the **Options Columns** button

  Alternate Methods:

- Right-click in the grid and select **Show Options Columns**
- In the **Configure Order Grid** screen, check the box **Show Options Columns**

Price Per Leg Added to Default Flex Ticket Template



The **Price** column has been added to the system default template of the **[Flex Ticket]**.

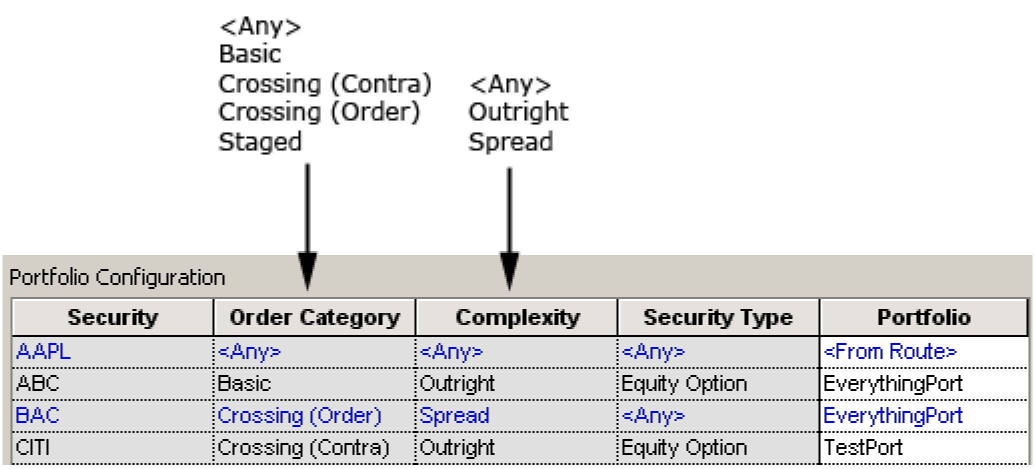
The column, already a default in the **Spread Ticket**, allows for the input of the price per leg for FLEX spreads.

13.4.47.0

April, 2013

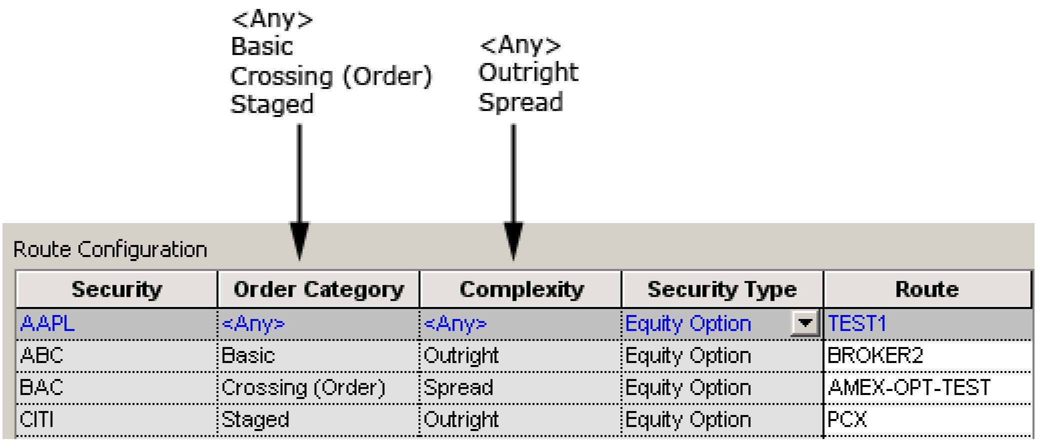
- **Default Portfolio/Route Configuration for Crossing and Staged Orders Implemented**
- **New Spread Agent Safeguard: Enable Hedging with BASB Limit Orders**
- **Persist Ticket Values for Security Tabs in Quote Cubes**
- **Equity Quote Cube Improvement: An Easier Method of Displaying Exchange Quotes**

Default Portfolio/Route Configuration for Crossing and Staged Orders Implemented



Security	Order Category	Complexity	Security Type	Portfolio
AAPL	<Any>	<Any>	<Any>	<From Route>
ABC	Basic	Outright	Equity Option	EverythingPort
BAC	Crossing (Order)	Spread	<Any>	EverythingPort
CITI	Crossing (Contra)	Outright	Equity Option	TestPort

New portfolio configuration columns: Order Category and Complexity and their available selections



New route configuration columns and available selections.

Crossing orders (both sides) and staged orders can now have their default portfolios and routes defined in **Global Configuration** under the **Portfolios** and **Routes** tabs respectively.

For portfolios and routes, new columns **Order Category** and **Complexity** have been added.

Order Categories Available For Portfolios:

- <Any>
- Basic
- Crossing (Contra)
- Crossing (Order)
- Staged

Order Categories Available for Routes:

- <Any>
- Basic
- Crossing (Order)
- Staged

Note: There is no such thing as a route for **Crossing <Contra>** orders.

Complexity Items for Portfolios and Routes

- <Any>
- Outright
- Spread

Changes to Previous WTP Versions

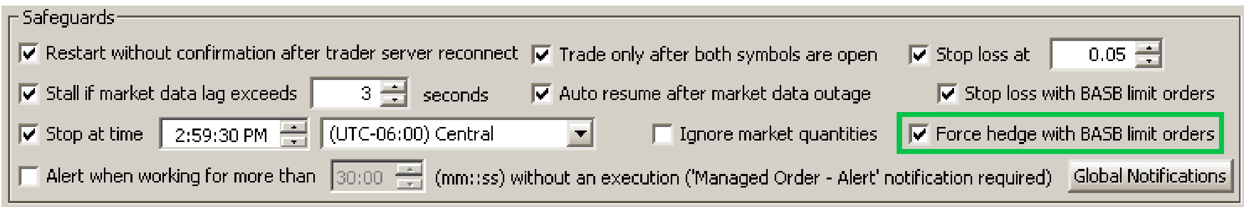
Route configurations from previous WTP versions will be converted automatically to the new configuration as follows:

- Rules that had an **<Any>** security type will be converted to a complexity type of **<Any>**.

- Rules formally containing a **Spread** security type have been converted to the complexity type **Spread**.
- Rules formally containing other security types have been converted to a complexity of **Outright**.

Note: Route configurations saved in WTP version 13.4.47.0 will not be available if a previous WTP version is loaded.

New Spread Agent Safeguard: Enable Hedging with BASB Limit Orders



Hedging for BASB orders (Buy at ask, Sell at bid) can now be accomplished with a new **Spread Agent** safeguard **Force hedge with BASB limit orders**.

When checked, a BASB order will attempt to hedge at the market price. When disabled, Spread Agent will hedge at a price that will achieve the spread as long as the market has not moved beyond the configured **Stop Loss** value.

Note: For new orders, this safeguard will be enabled by default. Any Spread Agents created before WTP version 13.4.47.0 will have this safeguard enabled.

Persist Ticket Values for Security Tabs in Quote Cubes

Multiple tabs can be created in the Option Quote Cube and Equity Quote Cube. Each tab represents a different security, and has its own order ticket.

In this WTP release, the values defined in each order ticket will persist when moving from tab to tab.

Note: If a tab has an order ticket in **advanced mode**, all order tickets in all tabs will be in advanced mode.

Equity Quote Cube Improvement: An Easier Method of Displaying Exchange Quotes

New dynamic Quotes window displays the exchanges on which a selected symbol trades.

Equity Quote Cube has been improved to dynamically provide all exchanges on which a selected symbol trades.*

Previously, exchanges were manually selected in EQC's configuration window.

To view the exchanges on which a selected symbol trades:

- Select the **Select Quote/Book Sources** button 

  Alternate Methods:

- From the **Config** menu, select **Filter Quotes...**
- Right-click in the EQC grid and select **Filter Quotes...**

*The displayed exchanges are those in which the user has market data permissions. These are not necessarily inclusive of all exchanges on which the symbol trades.

13.4.46.0

March, 2013

- **Limit Up/Limit Down (LULD) Now Supported in WTP**

Background

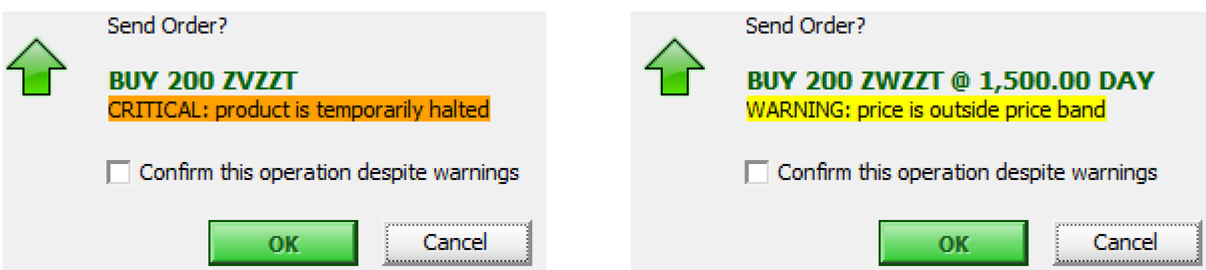
On May 31, 2012, the SEC approved, on a pilot basis, a new "limit up-limit down" (LULD) rule to address extraordinary market volatility in U.S. equity markets. LULD is intended to prevent security trades from occurring outside of specified price bands. These price bands are set at a percentage level above and below the average reference price of a security over the immediately preceding five-minute period.

Reference price is the average price of eligible reported transactions over the past five minutes.

Upper and Lower Price Bands price calculation

Price Band = (Reference Price) +/- ((Reference Price) x (Percentage Parameter))

Warning Messages



Two different warning messages. Orange = product is halted, Yellow = warning that security price is outside price band.

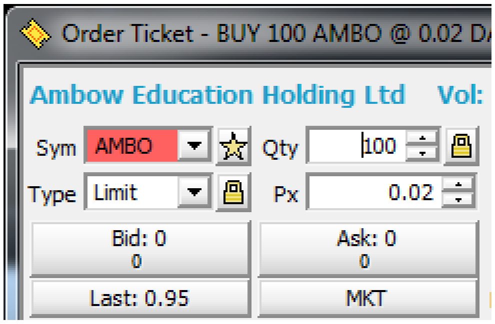
If a product being traded has been halted, or if the order price is outside the price band, a warning message will be issued.

If options or spreads are being traded, warnings will be issued if the underlying security of the option or spread is halted.

Ignore the warnings and send the order by checking the **"Confirm this operation despite warnings"** box, then **OK**.

Note: Managed Orders will abort when symbols or underliers are halted or paused.

Security Drop-down Highlighting

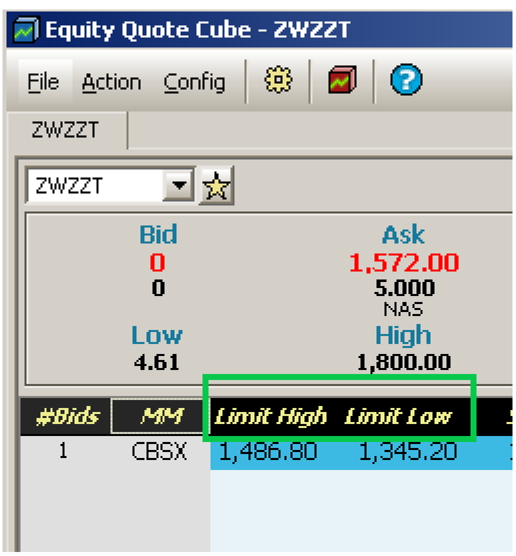


Red highlight in Symbol field indicates security is halted from trading

Security drop-downs in the quote cubes and order tickets will be highlighted as follows:

- **RED** if the underlying security is halted
- **YELLOW** if the underlying security is paused

Add LULD Columns to Apps Supporting Quote Fields



Limit High and Limit Low quote columns can be added to WTP applets that support quote fields, such as **Quote Grid** or **Equity Quote Cube.**.

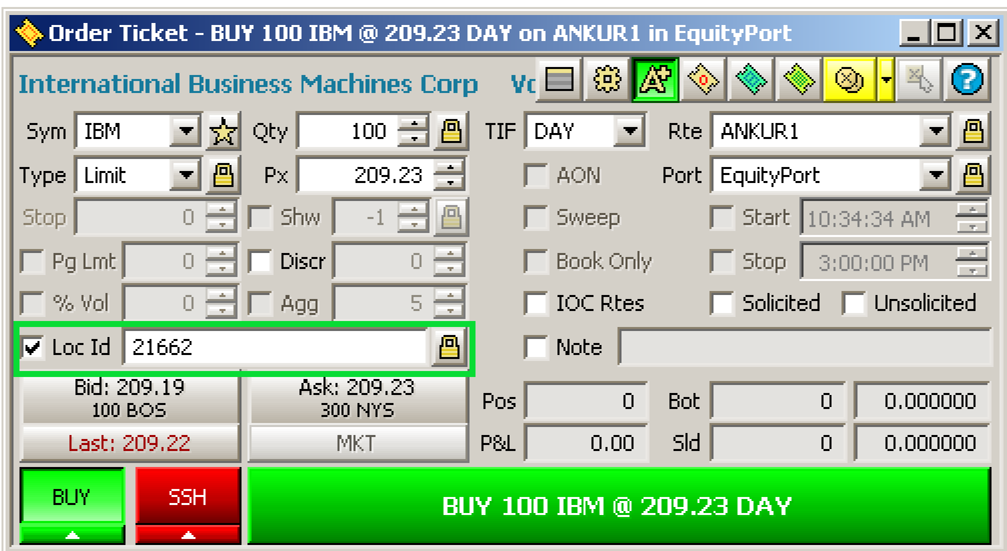
Both columns are found under the **Quote** category in the **Field Chooser**.

13.4.45.0

March, 2013

- Lock Control Added for Locate ID Field
- Search Function Enabled for Ticket Fields
- Generic Ticket Controls Now Available

Lock Control Added for Locate ID Field

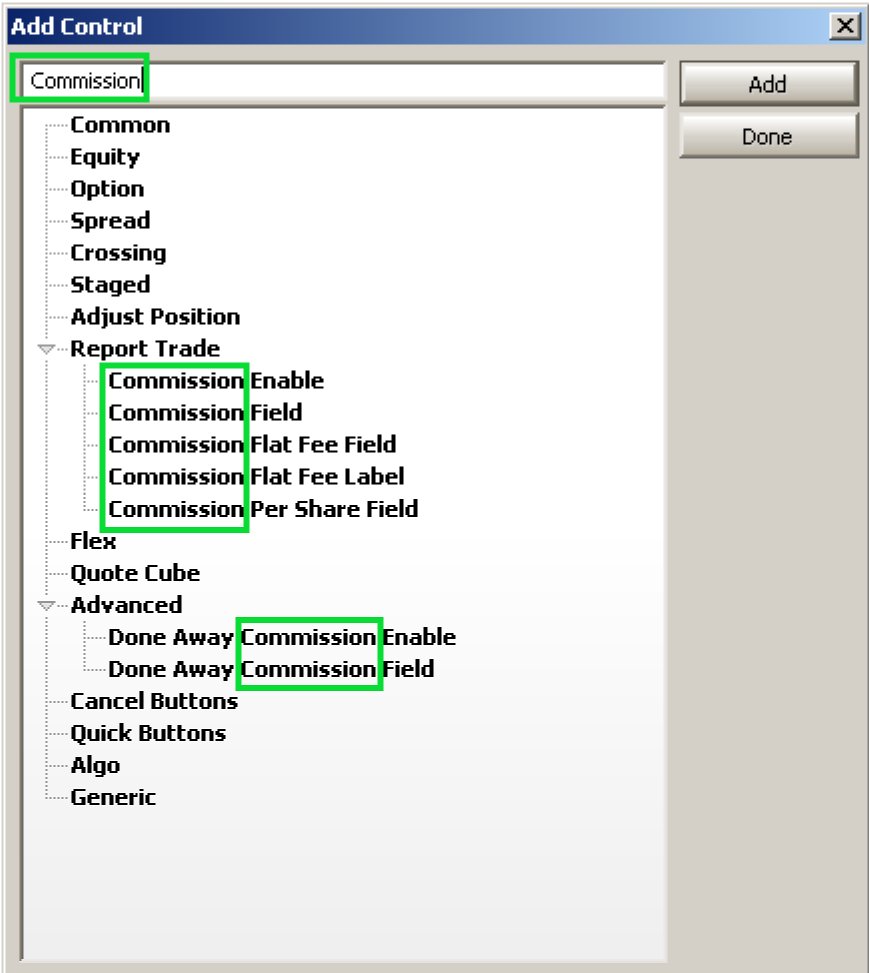


The contents of a **Locate ID (Loc Id)** field clear when changing symbols.

A lock button has been added to the Locate ID field. Enable the lock to persist the Locate ID value when changing symbols.

The lock button for the Locate ID field is found in advance mode for **Order Ticket**, **Equity Quote Cube**, and **Option Quote Cube**.

Search Function Enabled for Ticket Fields



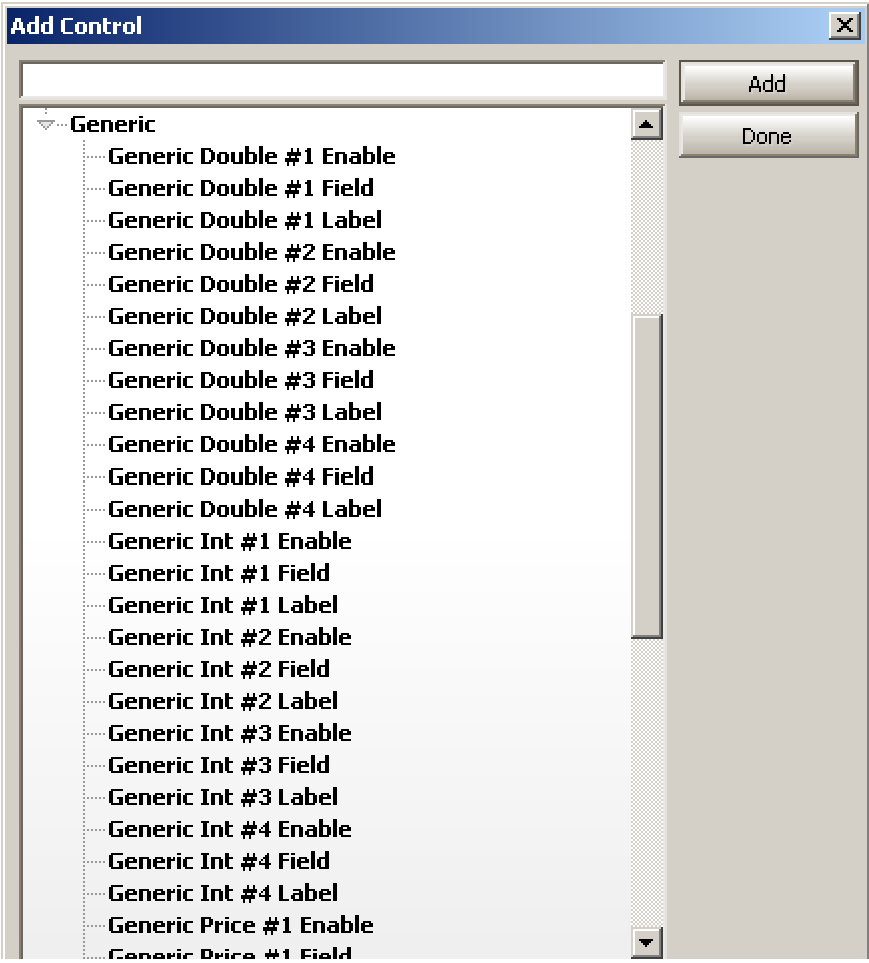
"Commission" is found under two control categories: "Report Trade" and "Advanced"

A search field has been added to the **Add Control** window of the Ticket Editor.

Search results are displayed on a character-by-character basis as each character is entered in the search field. Also, search results are displayed within the control category in which they reside. In the example above, the word "Commission" is found under two control categories, "Report Trade" and "Advanced".

Learn more about the Ticket Editor **here**.

Generic Ticket Controls Now Available



Generic controls (string, int (integer), double, price) are now available for selection in the Ticket Editor.

- String—Uppercase/lowercase letters
- Int—Whole numbers
- Double—Non-whole numbers
- Price—For Prices

Each generic field is composed of three segments:

- Enable (check box controlled)

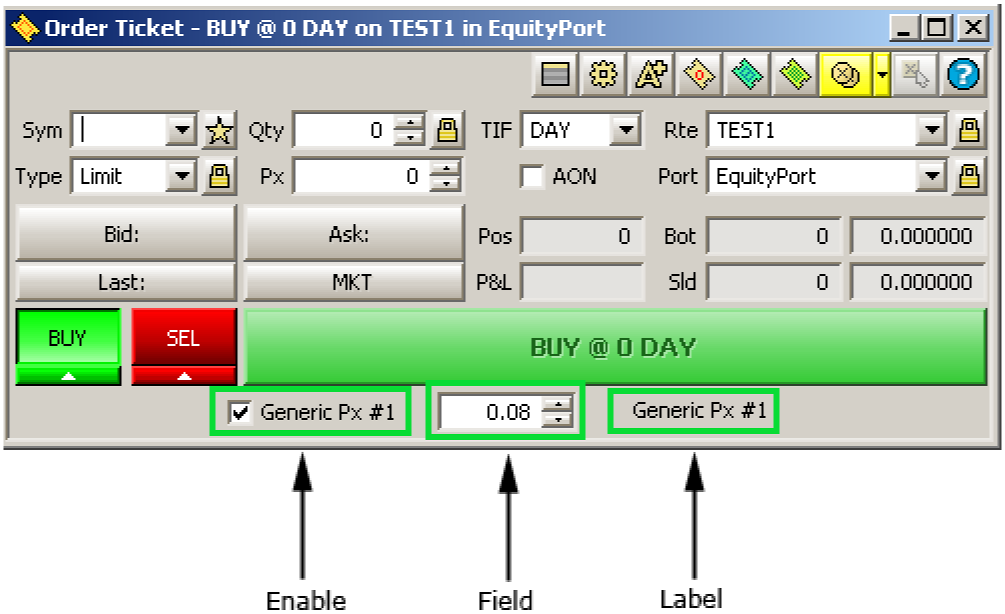
  Note: If the Enable segment is not included with the Field and Label segments, the field will always be enabled.

- Field (spinner controlled)
- Label (generic identifier)

  Note: The Label segment is strictly optional when using an Enable segment, since Enable has its own label.

Each segment name can be customized.

In the image below, Generic Price controls were added to the Order Ticket.



Also, each generic field can be represented as a column in the **Order Grid.**

Learn more about the Ticket Editor **here**.

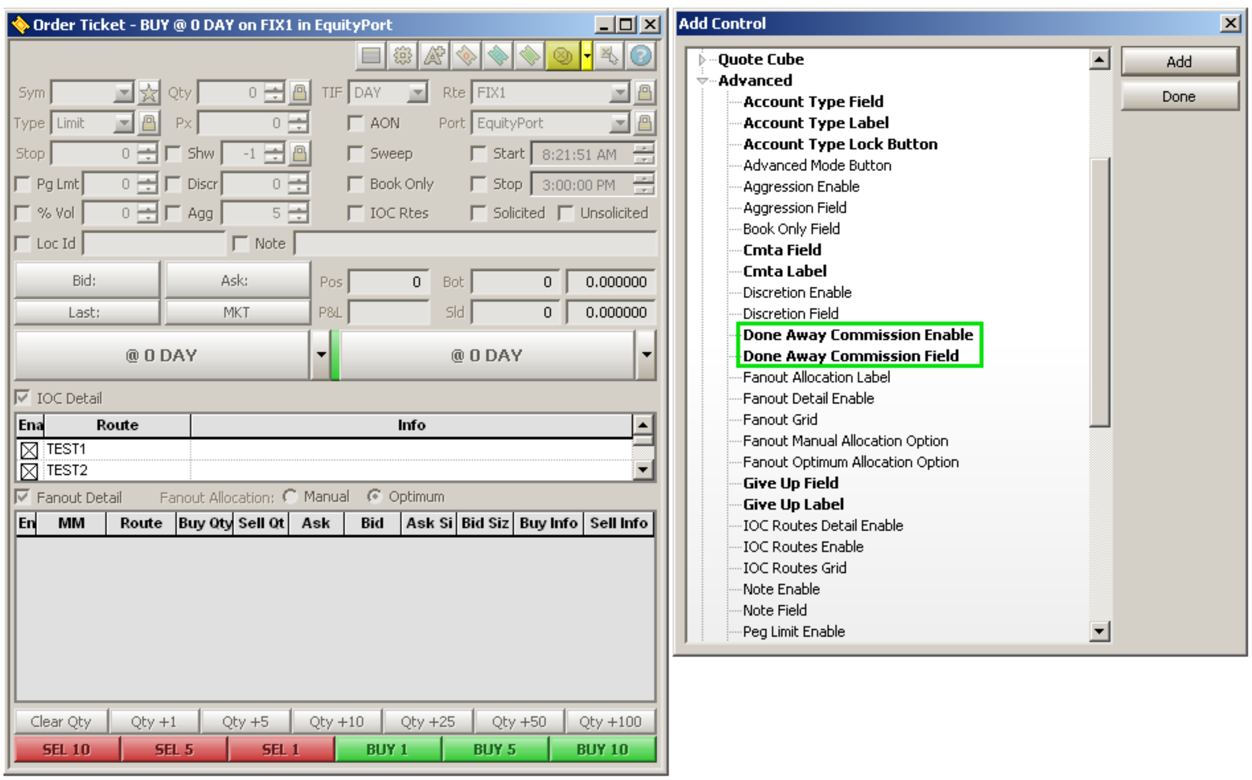
Learn how to add columns to grids using the Field Chooser **here**.

13.4.44.0

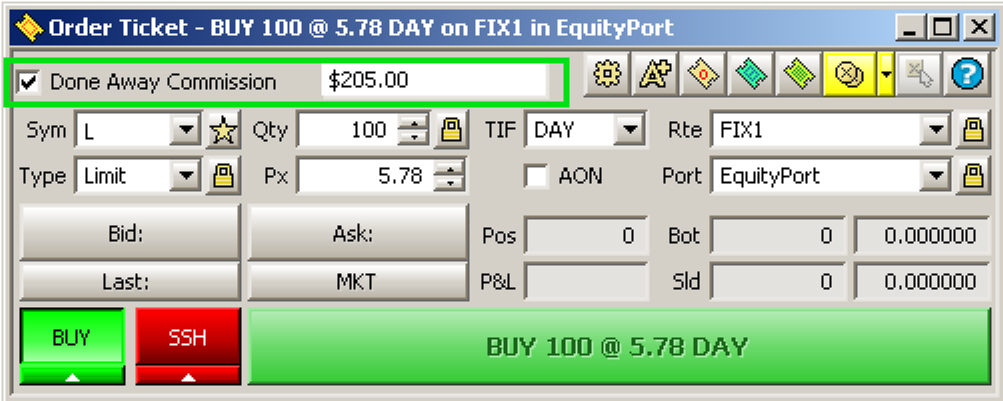
February, 2013

- [New Order Ticket Control: "Done Away Commission"](#)
- [Automatic Tab Adding in Equity/Option Quote Cubes](#)

New Order Ticket Control: "Done Away Commission"



Order Ticket in Edit Mode. "Done Away Commission" controls found under Advanced.



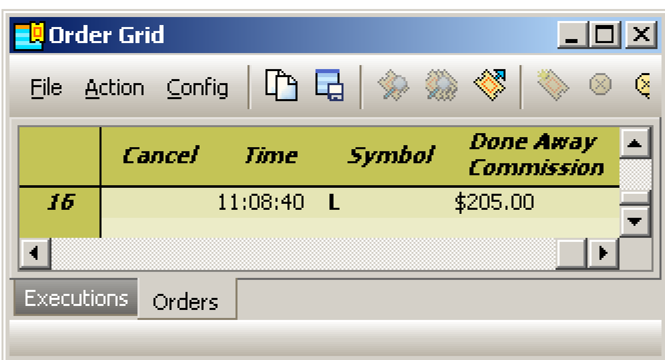
Both controls added to the Order Ticket.

Two new controls, **Done Away Commission Enable** and **Done Away Commission Field** can now be added to the Order Ticket in **edit** mode.

Done Away Commissions allows a user to include additional commission information on any order without directly affecting WEX billing.

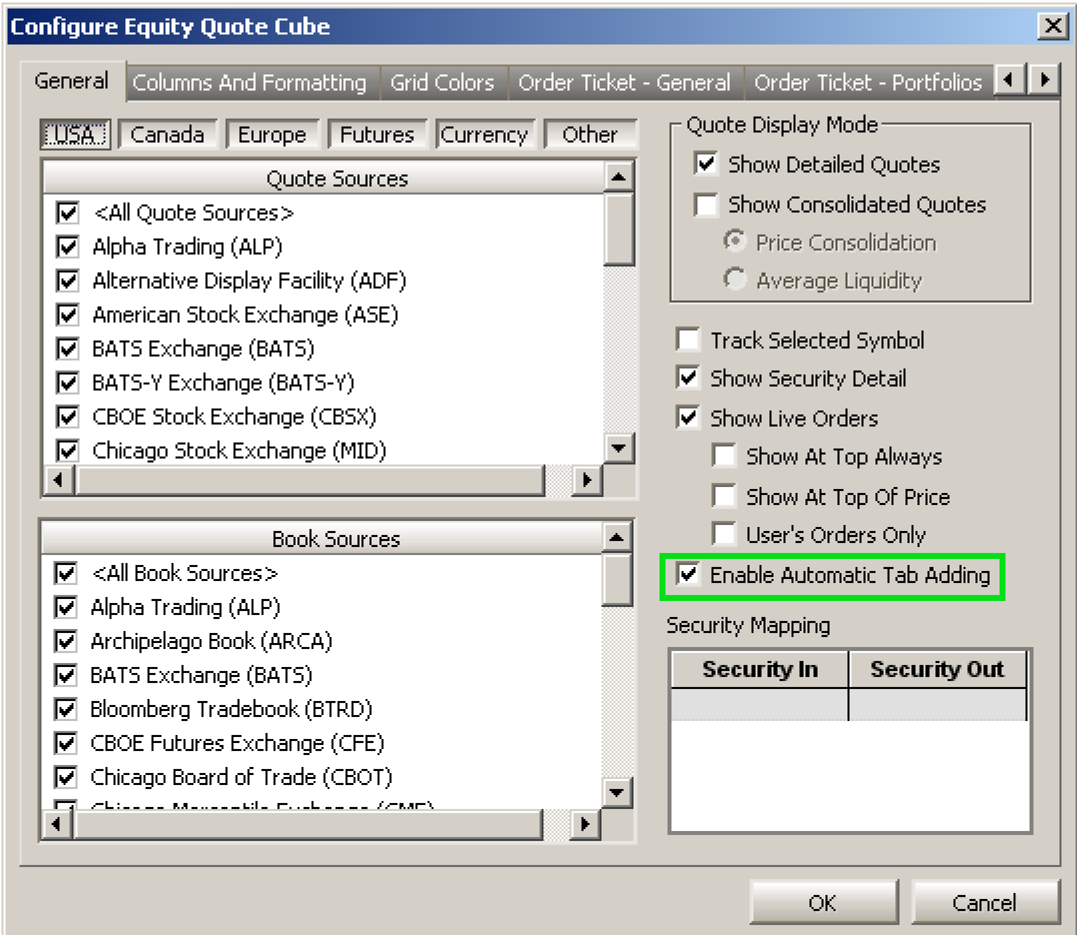
The **Done Away Commission Enable** is check-box enabled. The **Done Away Commission Field** allows for alpha/numeric content.

In addition to the controls on the Order Ticket, the **Done Away Commission Field** can be added as a column in the **Order Grid:**



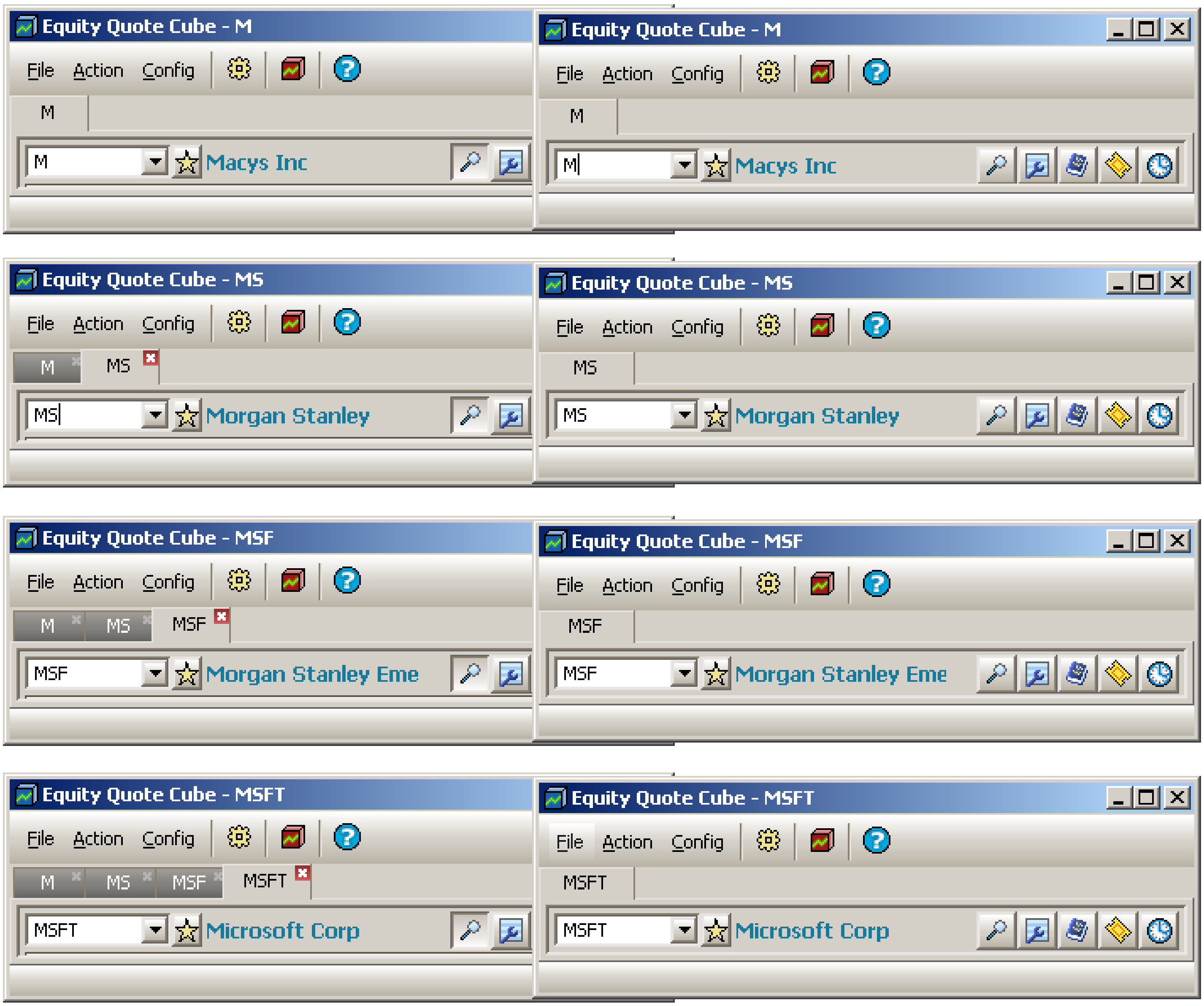
Done Away Commission column added to Order Grid.

Automatic Tab Adding Now in Equity/Option Quote Cubes



Enable Automatic Tab Adding in the configuration window.

Automatic Tab Adding Enabled **Automatic Tab Adding Disabled**



Automatic Tab Adding is a optional feature found in the **Equity Quote Cube** and **Option Quote Cube**.

Automatic Tab adding will create a tab without any additional user interaction. Disabling Automatic Tab Adding will require pressing the **Enter** key after a symbol is entered to add a tab.

With Automatic Tab Adding enabled (column 1 above):

- When a symbol is entered in the symbol field, a new tab is created soon after the final character is entered.

  For example, if the symbol **MSFT** is entered slowly, the Quote Cubes would respond by creating **four new tabs** as follows:

  M opens a new tab with the symbol **M**.

  S opens a new tab with the symbol **MS**.

  F opens a new tab with the symbol **MSF**.

  T opens a new tab with the symbol **MSFT**.

With Automatic Tab Adding disabled (column 2 above):

- The Quote Cubes will display the symbol name as each letter is entered.

  A single tab will be created and updated as additional letters are entered but additional tabs will **not** be created.

  To create additional tabs, press **Enter** after each symbol is entered.

In the System Default Template for the Equity/Option Quote Cubes, Automatic Tab Adding is disabled. If it's preferred to always allow Automatic Tab Adding, either Quote Cube can be saved as a **template**.

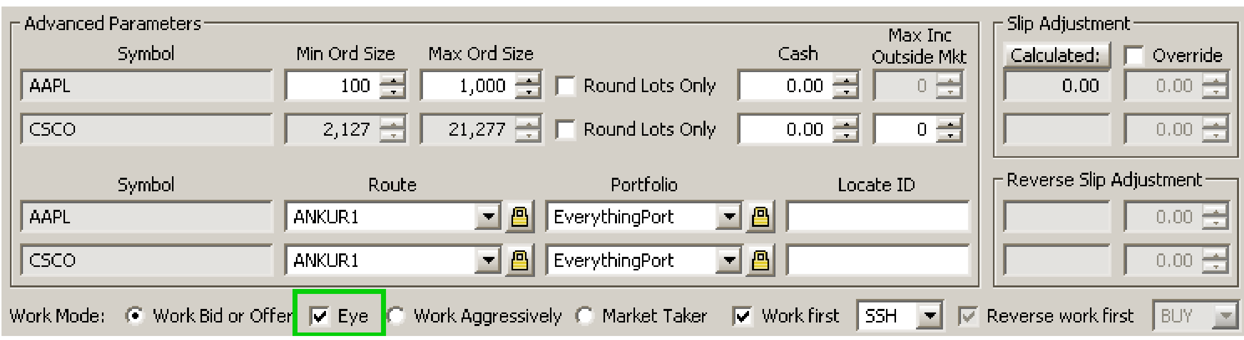
Hide Tabs

If neither of the Automatic Tab Adding options is desired, tabs can be **hidden**.

13.4.43.0

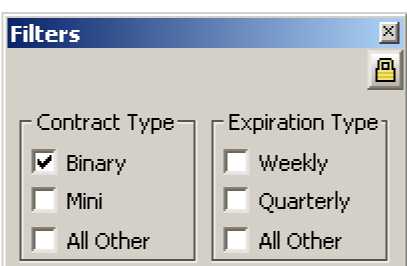
January, 2013

"Eye" Field Added to Spread Agent



The **Eye** field has been added to **Spread Agent** under Advanced Parameters. The Eye field is available for selection only when the work mode is "Work Bid or Offer."

Filters for Montage Grids Improved in Option Quote Cube



In **Option Quote Cube**, new selections have been added to the filter selection window.

Contract Types:
- Binary
- Mini*
- All Other**

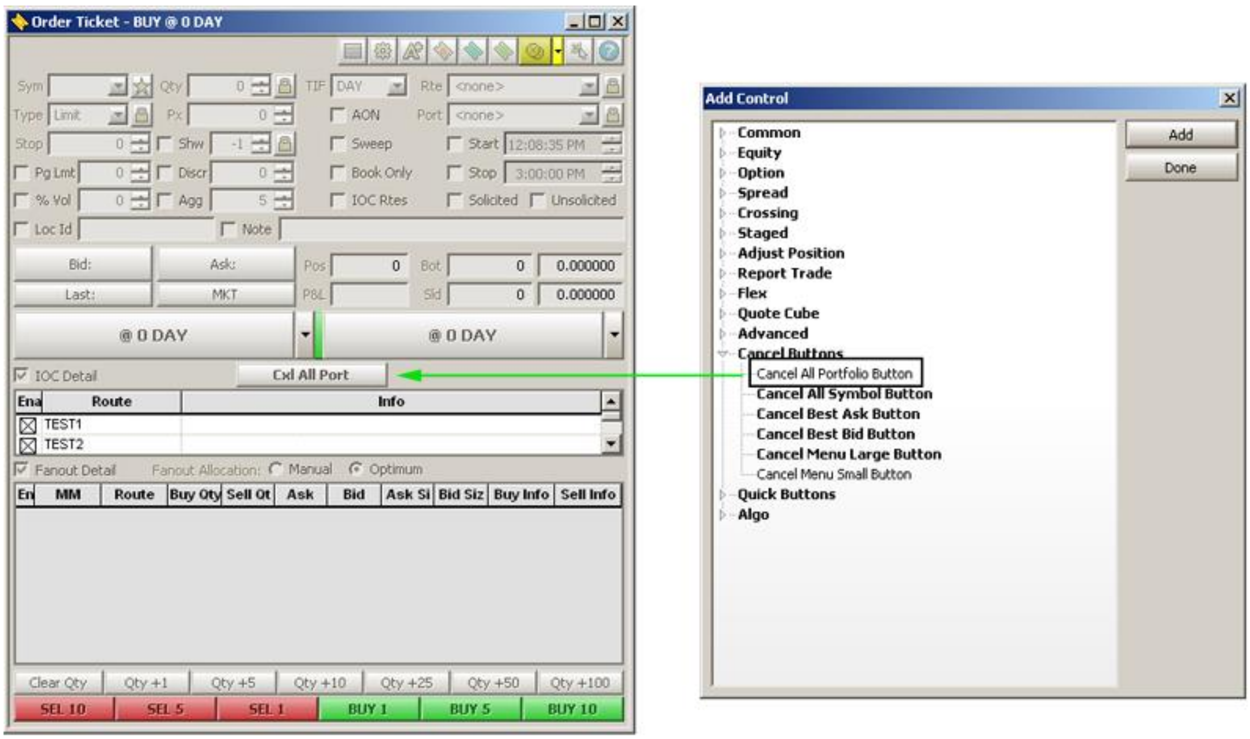
*Mini contracts (control 10 shares of stock compared to the standard of 100 shares) begin trading on March 18, 2013.
**All Other contract types include Cash-in-Lieu, and odd lots that are not Mini contracts.

Expiration Type

- Weekly
- Quarterly
- All Other*

*All Other refers to non-standard expiration types.

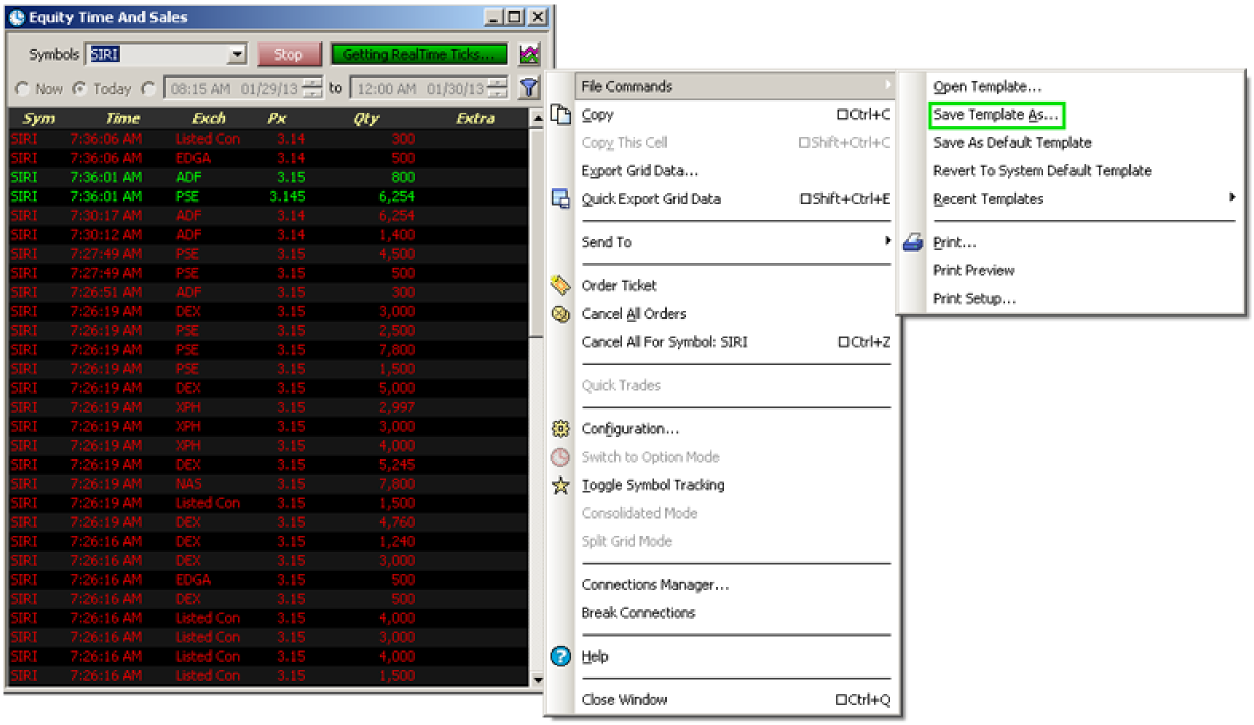
Drag and Drop Feature Improved in Ticket Editor



The Control name displays when dragging/dropping it from the Add Control window.

The **Ticket Editor** drag/drop method has been improved to display the name of the control as it's being dragged.

Save or Open Any Template From a Connected Applet



"Send to" command was used to send an Option Quote Cube symbol to Equity Time and Sales. Templates in receiving applets can now be saved or opened.

Previously, when a **Send to** command was issued, the receiving WTP applet could not open or save a template.

With release 13.4.43.0, the receiving applet can now save its displayed content as a template. Additionally, saved templates can be opened or reverted to the applet's system default.

Learn more about templates **here**.

13.4.42.0

January, 2013

- New WTP Applet: "Most Active Symbols Viewer"
- Eye Field Added to Managed Order Console
- New Field in Flex Ticket: "Flex Type"
- "Activ Symbol List" Column Added to Symbol Browser
- New Field in Order Summary: "Net Traded"

New WTP Applet: "Most Active Symbols Viewer"

Symbol	Last	Change	% Change	Volume	Cumulative Value	Intensity
BAC	11.43	-0.55	-4.59	317,140,465	$3,692,765,844	
FB	30.59	1.53	5.26	103,933,173	$3,132,963,577	
NOK	3.75	-0.30	-7.41	95,939,258	$366,333,910	
CLWR	3.13	0.21	7.19	83,993,803	$264,049,404	
SIRI	3.12	-0.02	-0.64	70,832,831	$222,146,451	
S	5.88	-0.09	-1.51	66,151,586	$387,345,303	
C	42.04	-0.42	-0.99	44,361,342	$1,886,512,645	
HLF	39.95	1.60	4.17	44,223,666	$1,744,800,323	
AA	9.08	-0.02	-0.22	41,624,488	$381,016,708	
MT	16.83	-0.70	-3.99	41,243,167	$697,137,519	
MSFT	26.70	0.15	0.56	38,008,692	$1,012,754,596	
F	13.47	0.12	0.90	36,896,312	$497,481,096	
PFE	26.47	0.45	1.73	34,126,739	$899,880,758	
INTC	21.45	0.36	1.71	34,082,339	$727,087,833	
HPQ	15.85	0.46	2.99	32,810,203	$516,149,897	
CSCO	20.30	-0.01	-0.05	30,225,289	$616,259,286	
GE	20.95	0.05	0.24	28,215,177	$592,309,951	
CHK	17.08	0.20	1.18	27,428,275	$465,677,099	
MS	19.62	-0.03	-0.15	26,903,632	$527,425,741	
JPM	45.47	-0.03	-0.07	25,768,260	$1,175,160,647	

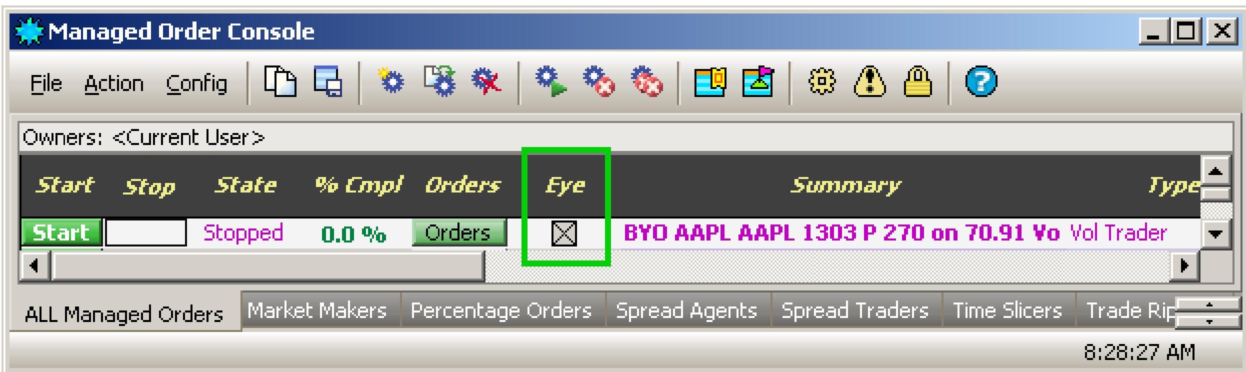
The **Most Active Symbols Viewer** is a reporting tool displaying the most active symbols by cumulative value, cumulative volume, percentage change of advancers and decliners.

The reporting exchange and security types (equity and call/put options) can be selected from a drop-down list.

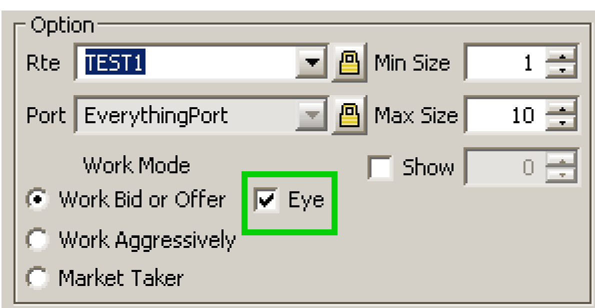
In addition, option fields can be added when viewing the most active symbols for Options data.

Learn more about the Most Active Symbols Viewer **here**.

Eye Field Added to Managed Order Console



Managed Order Console with Eye field. The checked box indicates the Eye feature was selected in the Vol Trader order (below).



Eye option selected in Vol Trader

The Eye feature in Vol Trader enables the "Work Bid or Offer" option to place an IOC (Immediate or Cancel) order to buy at the ask or sell at the bid (which is the reverse strategy of the standard Work Bid or Offer mode).

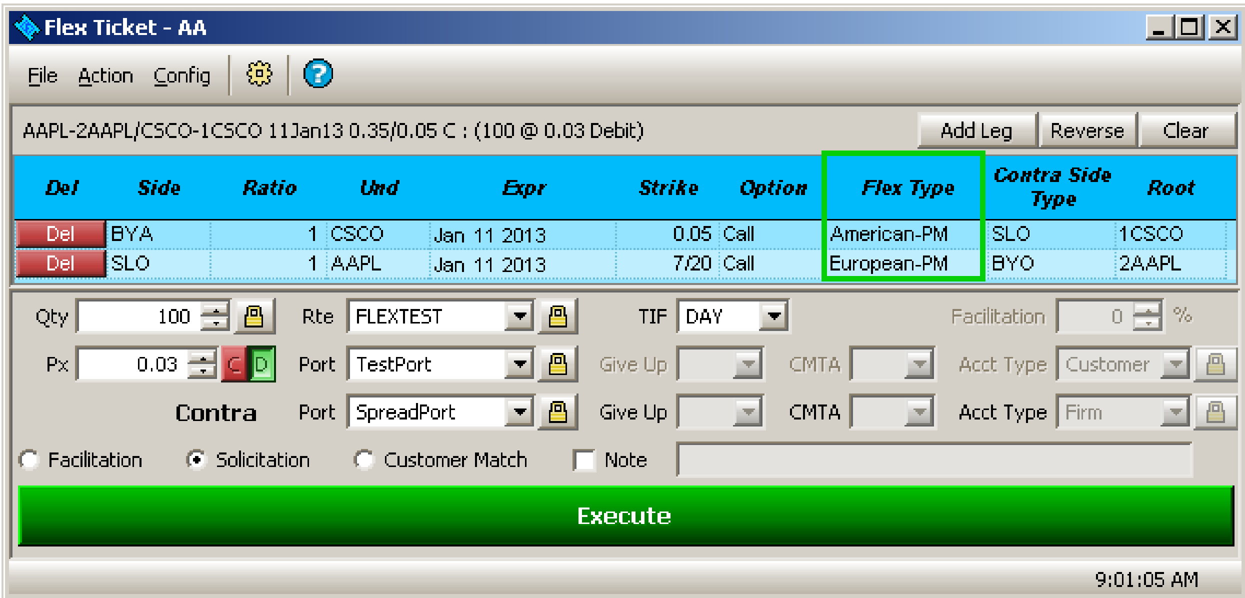
A new column in the Managed Order Console "**Eye"** displays a checked box if the Eye option is selected for a specific Vol Trader order.

If the Vol Trader order does not have the Eye feature selected, the box will display in the Managed Order Console, but it will not be checked.

Note that the Eye box cannot manually be checked/unchecked.

Add the Eye column to the Managed Order Console with the **Field Chooser**.

New Field in Flex Ticket: "Flex Type"



Flex Type is a new field for the **Flex Ticket** and is found in the system default template.

The Flex Type defines whether the leg of a Flex order is traded American or European. The AM/PM designation refers to the time of the settlement.

Also, in the **Root** field, a number is now added to the front of the root symbol. For Index options:

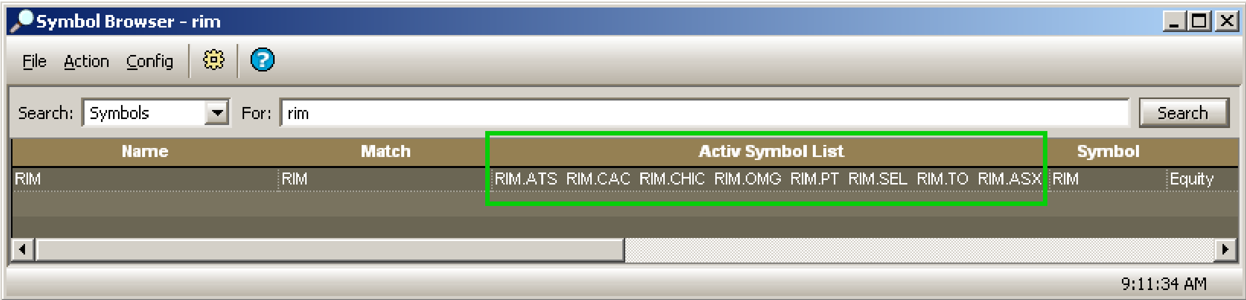
1 = American exercise, AM settlement
2 = European exercise, AM settlement
3 = American exercise, PM settlement
4 = European exercise, PM settlement

All Equity options are PM settled. Their numbers refer to the following:

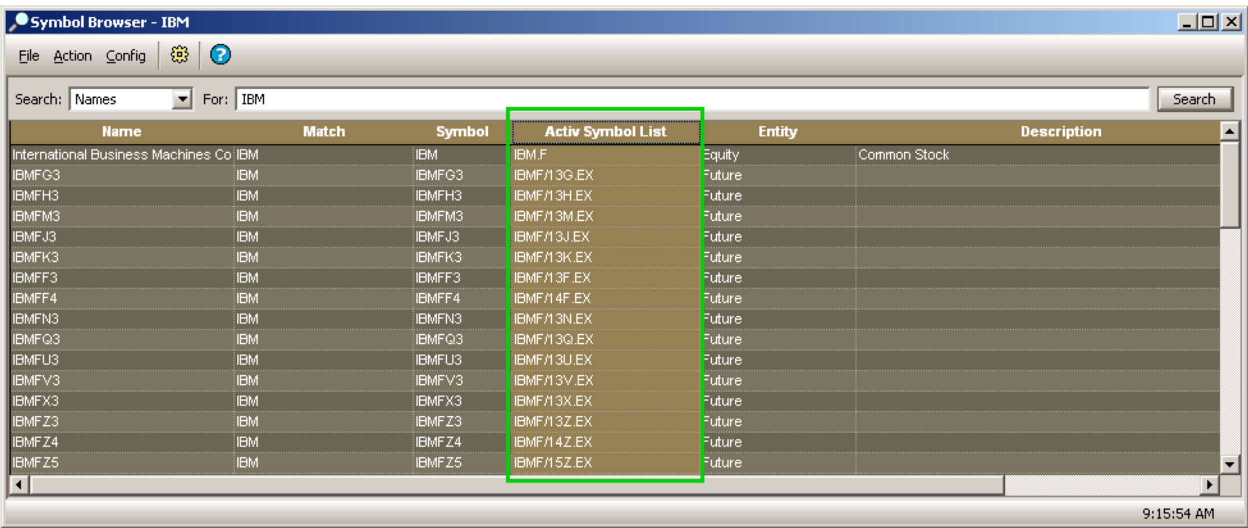
1 = American exercise
2 = European exercise

The balance of a Flex option's symbol matches that of other standard options symbols (underlying, expiration date, option type (call/put) and strike price).

"Activ Symbol List" Column Added to Symbol Browser



Activ Symbol List for the symbol RIM. Word spaces separate the various suffixes.



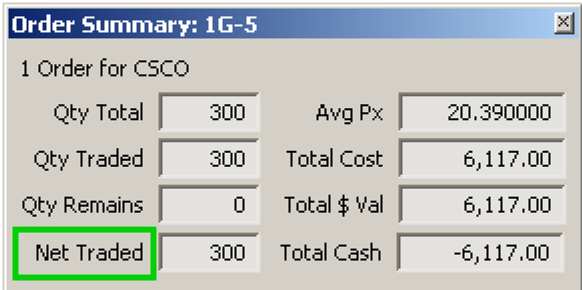
Activ Symbol List for IBM

The **Activ Symbol List** is an optional column for the Symbol Browser that displays the many suffixes associated with a symbol or security name. If the symbol match is a single name (as in the RIM example above), the Activ Symbol List displays all suffixes in a single row separated by word spaces.

The Activ Symbol List replaces the Activ Symbol field.

Add the Activ Symbol List column to the Symbol Browser with the **Field Chooser**.

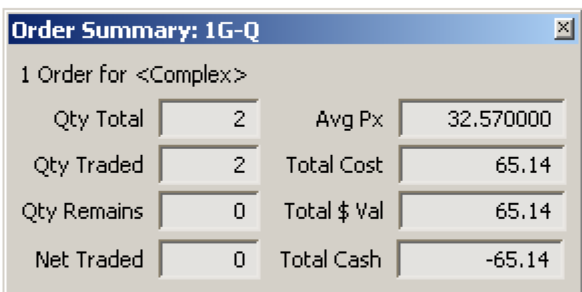
New Field in Order Summary: "Net Traded"



The **Net Traded** field has been added to the **Order Summary** window in the **Order Grid**.

For spread orders, the net traded field reports on the executed quantity of each leg of the spread.

In the Order Summary window below, a two-leg spread where one side is BYO and the other is SLO with the same ratio, the order yields a net traded value of zero:



The value displayed in the Net Traded field is dependent on the order type and is calculated as follows:

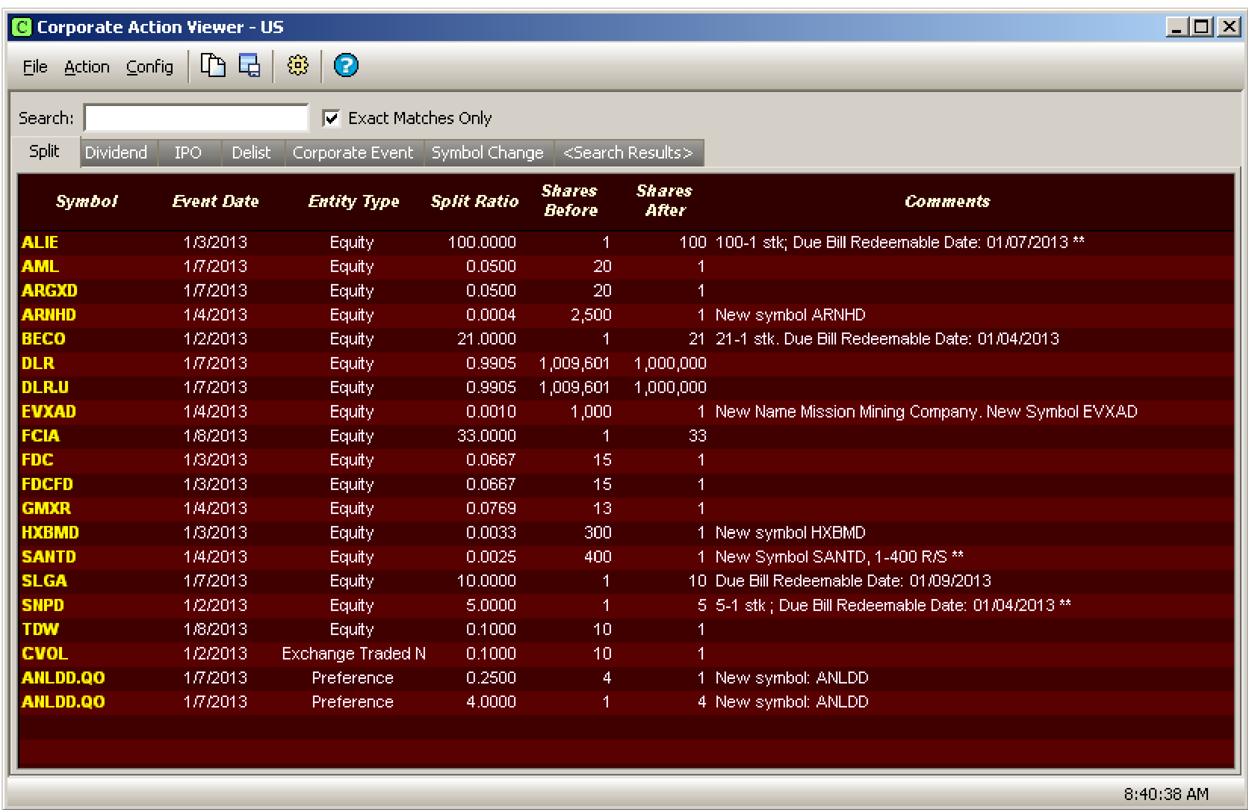
Order Type	Net Traded Calculation
Outright Equities/Options	Order Quantity
Spread with 2 option legs, same ratio, opposite sides	0
Spread with 2 option legs, different ratio, opposite sides	Quantity of spread x difference of the ratios
Spread with 2 option legs, opposite sides	Quantity of spread x sum of the ratios
Spread with 1 equity and 1 option leg	Quantity of spread x difference of the ratios

13.4.41.0

January, 2013

- [New WTP Applet: Corporate Action Viewer]
- [New WTP Applet: Symbol Browser]
- [Control Names for Quick Quantity Buttons Renamed for Clarity]
- [Flex Ticket Improvements]

New WTP Applet: Corporate Action Viewer

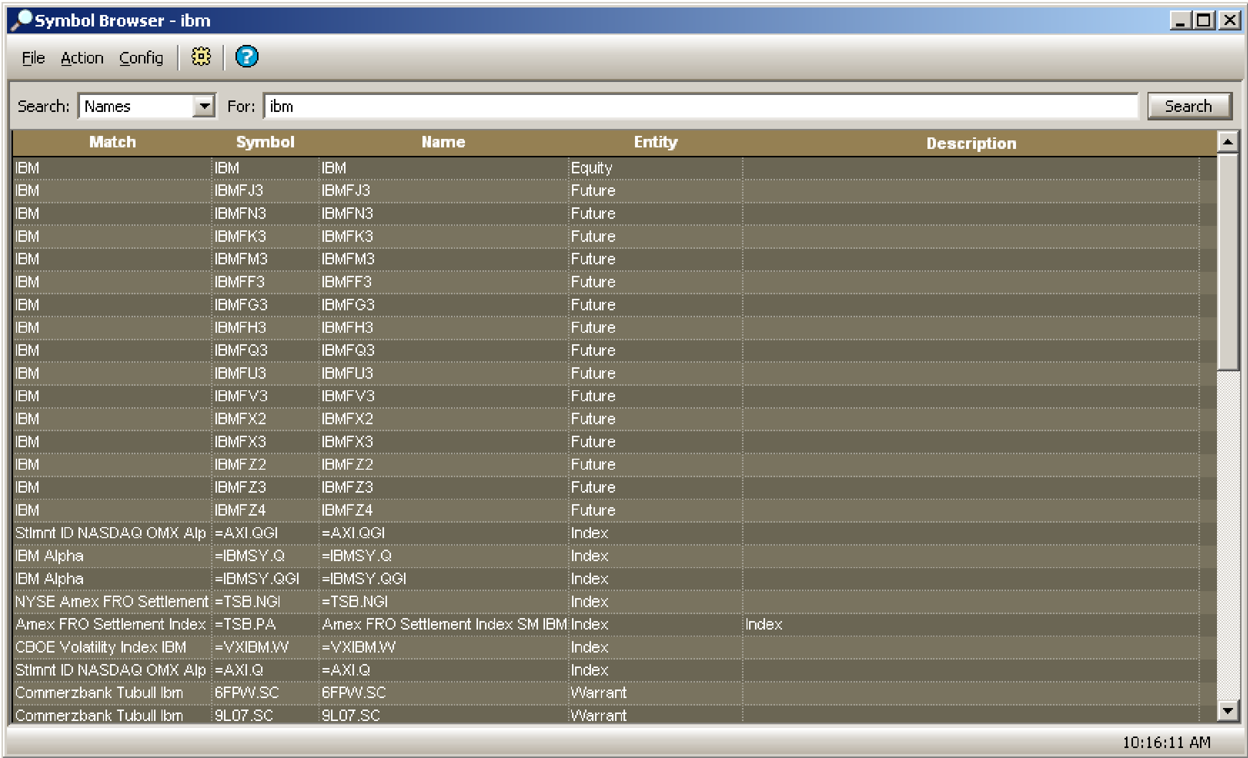


Symbol	Event Date	Entity Type	Split Ratio	Shares Before	Shares After	Comments
ALIE	1/3/2013	Equity	100.0000	1	100	100-1 stk; Due Bill Redeemable Date: 01/07/2013 **
AML	1/7/2013	Equity	0.0500	20	1	
ARGXD	1/7/2013	Equity	0.0500	20	1	
ARNHD	1/4/2013	Equity	0.0004	2,500	1	New symbol ARNHD
BECO	1/2/2013	Equity	21.0000	1	21	21-1 stk. Due Bill Redeemable Date: 01/04/2013
DLR	1/7/2013	Equity	0.9905	1,009,601	1,000,000	
DLR.U	1/7/2013	Equity	0.9905	1,009,601	1,000,000	
EVXAD	1/4/2013	Equity	0.0010	1,000	1	New Name Mission Mining Company. New Symbol EVXAD
FCIA	1/8/2013	Equity	33.0000	1	33	
FDC	1/3/2013	Equity	0.0667	15	1	
FDCFD	1/3/2013	Equity	0.0667	15	1	
GMXR	1/4/2013	Equity	0.0769	13	1	
HXBMD	1/3/2013	Equity	0.0033	300	1	New symbol HXBMD
SANTD	1/4/2013	Equity	0.0025	400	1	New Symbol SANTD, 1-400 R/S **
SLGA	1/7/2013	Equity	10.0000	1	10	Due Bill Redeemable Date: 01/09/2013
SNPD	1/2/2013	Equity	5.0000	1	5	5-1 stk ; Due Bill Redeemable Date: 01/04/2013 **
TDW	1/8/2013	Equity	0.1000	10	1	
CVOL	1/2/2013	Exchange Traded N	0.1000	10	1	
ANLDD.QO	1/7/2013	Preference	0.2500	4	1	New symbol: ANLDD
ANLDD.QO	1/7/2013	Preference	4.0000	1	4	New symbol: ANLDD

A new WTP applet **Corporate Action Viewer** displays corporate action for the past week including Corporate Events, Delisted Symbols, Dividends, IPOs, Splits, and Symbol Changes.

Learn more about Corporate Action Viewer **here**.

New WTP Applet: Symbol Browser



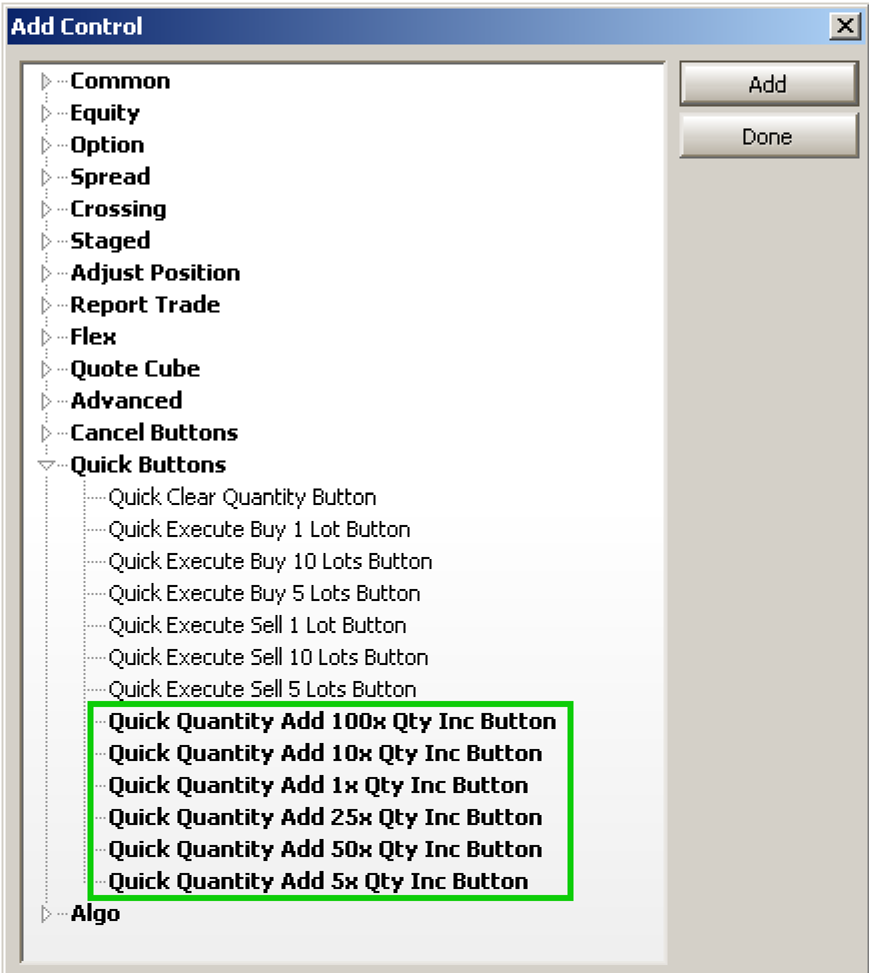
Match	Symbol	Name	Entity	Description
IBM	IBM	IBM	Equity	
IBM	IBMFJ3	IBMFJ3	Future	
IBM	IBMFN3	IBMFN3	Future	
IBM	IBMFK3	IBMFK3	Future	
IBM	IBMFM3	IBMFM3	Future	
IBM	IBMFF3	IBMFF3	Future	
IBM	IBMFG3	IBMFG3	Future	
IBM	IBMFH3	IBMFH3	Future	
IBM	IBMFQ3	IBMFQ3	Future	
IBM	IBMFU3	IBMFU3	Future	
IBM	IBMFV3	IBMFV3	Future	
IBM	IBMFX2	IBMFX2	Future	
IBM	IBMFX3	IBMFX3	Future	
IBM	IBMFZ2	IBMFZ2	Future	
IBM	IBMFZ3	IBMFZ3	Future	
IBM	IBMFZ4	IBMFZ4	Future	
Stlmnt ID NASDAQ OMX Alp	=AXI.QGI	=AXI.QGI	Index	
IBM Alpha	=IBMSY.Q	=IBMSY.Q	Index	
IBM Alpha	=IBMSY.QGI	=IBMSY.QGI	Index	
NYSE Amex FRO Settlement	=TSB.NGI	=TSB.NGI	Index	
Amex FRO Settlement Index	=TSB.PA	Amex FRO Settlement Index SM IBM	Index	Index
CBOE Volatility Index IBM	=VXIBM.W	=VXIBM.W	Index	
Stlmnt ID NASDAQ OMX Alp	=AXI.Q	=AXI.Q	Index	
Commerzbank Tubull Ibm	6FPW.SC	6FPW.SC	Warrant	
Commerzbank Tubull Ibm	9L07.SC	9L07.SC	Warrant	

Search for securities by name or symbol in **Symbol Browser**. Symbols in the grid can be sent to populate other WTP applets (via the **send to -->** command).

Note: An **Activ Quote Connection** is required in order for Symbol Browser to search for names and symbols.

Learn more about Symbol Browser **here**.

Control Names for Quick Quantity Buttons Renamed for Clarity



Control Names (in bold) available for selection when the Order Ticket is in Edit mode

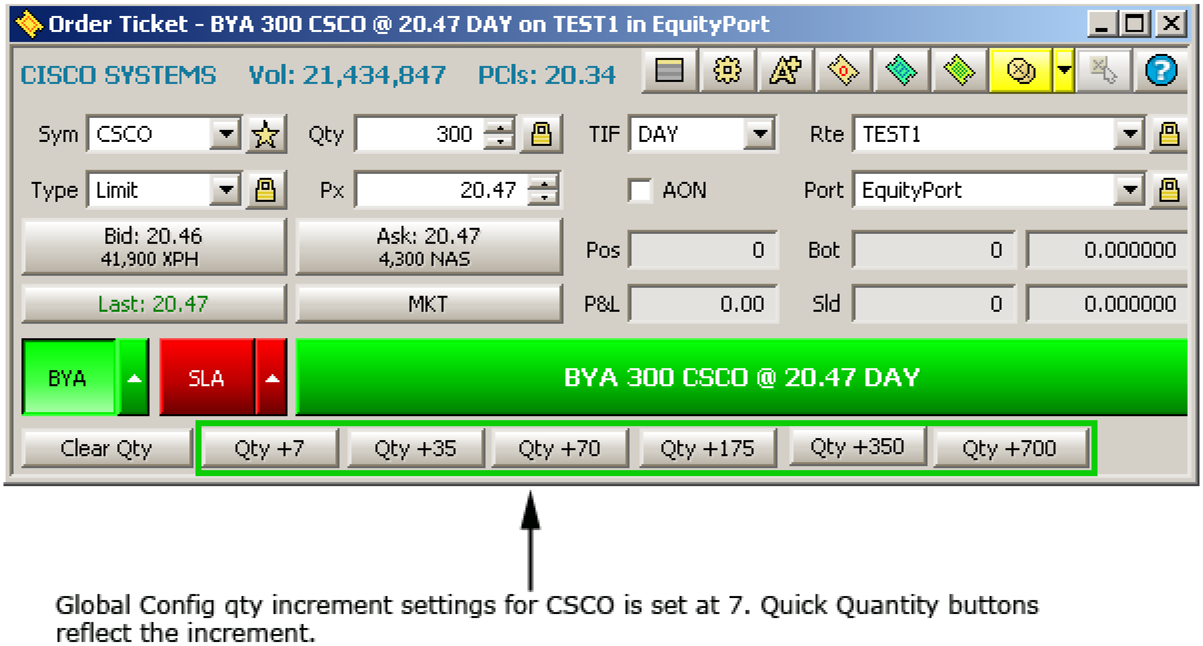
The control names for the Quick Quantity buttons have been renamed for clarity only. Their functionality has not changed.

The *increment value* of each button is based on the **Qty Inc**. field defined in **Global Configuration** (under the **Trade Defaults** tab).

The quick quantity buttons are available in the following increments (based on the defined Qty Inc value):

- 1 x
- 5 x
- 10 x
- 25 x
- 50 x
- 100 x

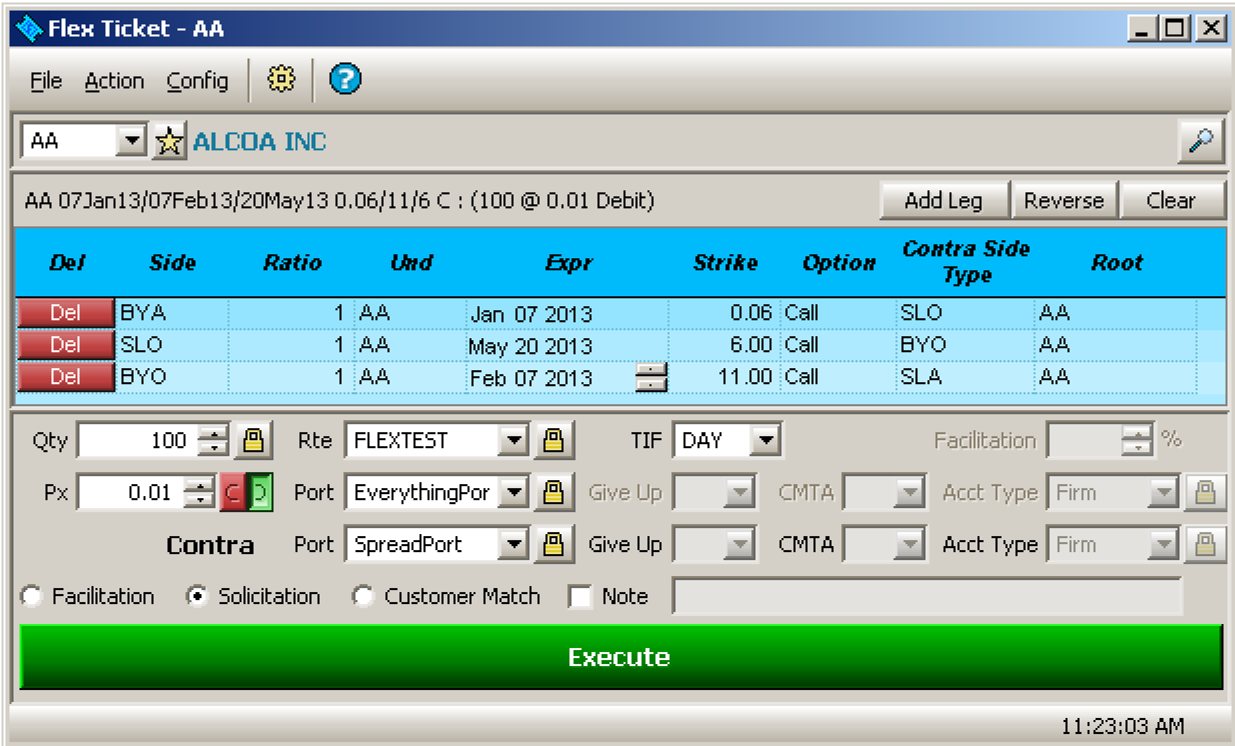
In the example below, the Qty Inc. value for the symbol CSCO was defined as 7. The quick quantity buttons are multiples of that value.



Learn how to edit a ticket layout with the ticket editor **here**.

Flex Ticket Improvements

1. The new system default template for the Flex Ticket is Crossing Mode:



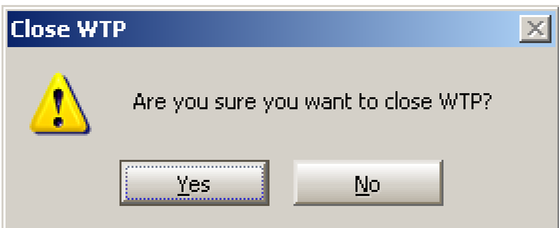
2. Side Controls (byc, bya, sel, slc, etc.) are no longer used and are not selectable.

Note: The Flex Ticket is not available for selection unless **crossing** and **flex** permissions are enabled. Contact **WEX support** to enable these permissions.

13.4.40.0

December, 2012

- **Confirmation Message Displays When Closing WTP**



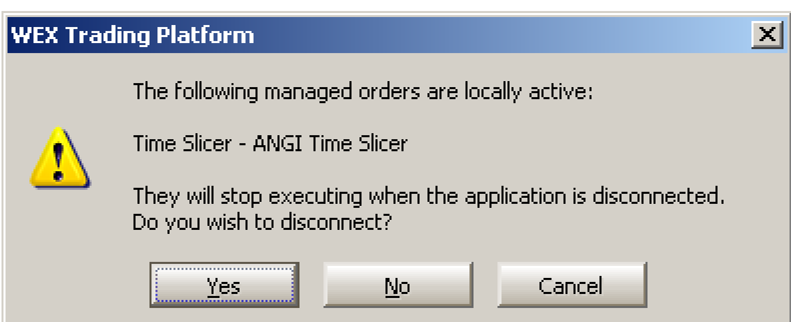
When exiting from WTP a confirmation message appears asking "Are you sure you want to close WTP?".

This message is displayed to prevent an accidental closing of WTP.

If **Yes** is selected, WTP will close. Orders that remain unfilled will continue to run. Select **No** to keep WTP open.

Exit WTP While Live Managed Orders Are Running

If managed orders are running when attempting to exit from WTP, a managed order warning message will display. In the following example, a Time Slicer order is active and the command to exit WTP is issued:



Select **Yes** to stop executing the managed order and exit WTP.

Select **No** to not disconnect from WTP and keep the managed order active.

Selecting **Cancel** acts the same as selecting **No**.

13.4.39.0

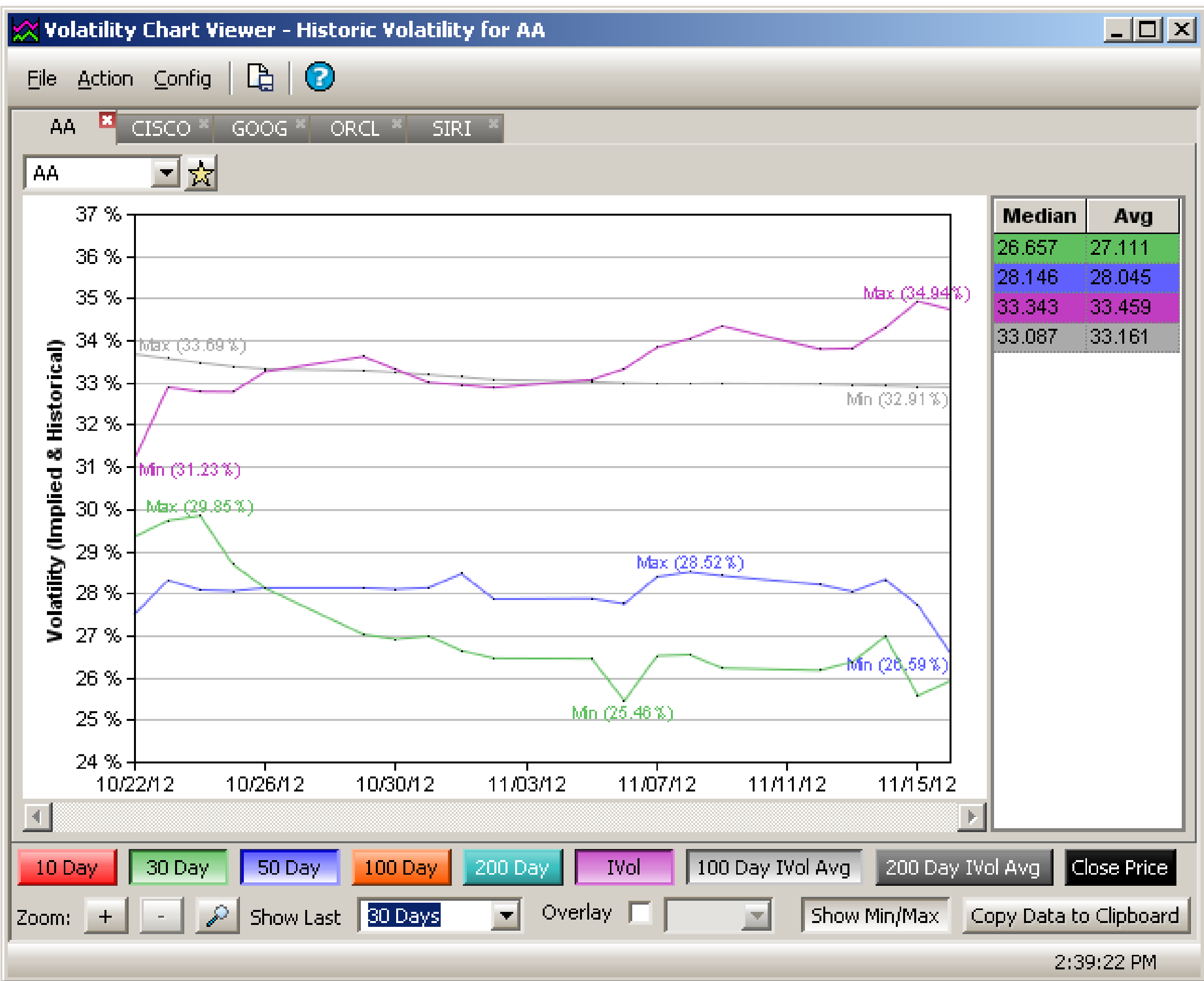
November, 2012

- [Volatility Chart Viewer Now Its Own Applet]
- [COMEX and NYMEX Books Added to Equity Quote Cube]
- [Two New Safeguards in Vol Trader:]

  [Place Option Only After Quote Update]

  [Stop Loss with BASB Limit Orders]

Volatility Chart Viewer Now Its Own Applet



The **Volatility Chart Viewer** is now its own applet.

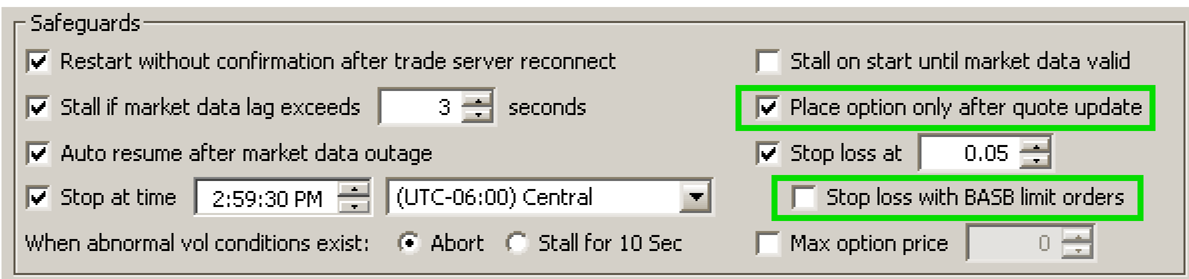
Previously, the Volatility Chart Viewer was only available from the Option Quote Cube, Spread Trader, Equity Time and Sales and Vol Trader. The links to the Volatility Chart Viewer from these apps have not changed.

Learn more about the Volatility Chart Viewer **here**.

COMEX and NYMEX Books Added to Equity Quote Cube

Comex (Commodity Exchange) and **NYMEX** (New York Mercantile Exchange) are now available for selection as book sources in the **Equity Quote Cube**.

Two New Safeguards in Vol Trader: Place Option Only After Quote Update and Stop Loss with BASB Limit Orders



Place option only after quote update—If checked, option orders will be placed only when the market has changed (e.g., if buying the option, its Ask Price or Ask Size changes) since the previous option execution. This is recommended so that the Vol Trader doesn't place option orders until the effect of its previous executions on the market have been reflected in its quotes.

Stop loss with BASB limit orders—The **Stop loss** safeguard has been expanded to include BASB (Buys the Ask or Sells the Bid) limit orders. Once a loss is encountered that is greater than the entered value, Vol Trader cancels the offending hedge order and replaces it at the BASB price when this safeguard is enabled.

13.4.38.0

November, 2012

- [New Setting in Global Configuration: Choose Workspace to Open on Initial Connection]
- [ContRatio Field Added to Option Sector Viewer]
- [VWAP Intensity Field Added to Quote Grid]
- [Alphabetize Tabs In Equity and Option Quote Cubes]
- [Portfolio Ordering Can Now Be Customized in Order Ticket]
- [New in WTP Help: Option Exchange Codes and Condition Codes]

New Setting in Global Configuration: Choose Workspace to Open on Initial Connection

The workspace that will load upon the *initial connection* to WTP can be set on the **general** page of Global Configuration.

The initial connection is defined as the first connection to WTP following a complete exit. To log on after a log off (while WTP remains running) is not the same thing as an initial connection.

Choose one of three settings:

1. **Show Blank Workspace**—No workspace will load.

2. **Restore Last State**—Load the workspace that was open at the time of the most recent close of WTP.

3. **Open Specific Workspace**—Select the **Browse** button and choose an existing workspace (with a **.wtp** extension). This workspace will load upon an initial connection to WTP.

ContRatio Field Added to Option Sector Viewer

A new field **ContRatio** (Contract Ratio) has been added to the system default template of **Option Sector Viewer**.

The quotient is defined as the **Contract Total divided by the 20-Day Contract Total**.

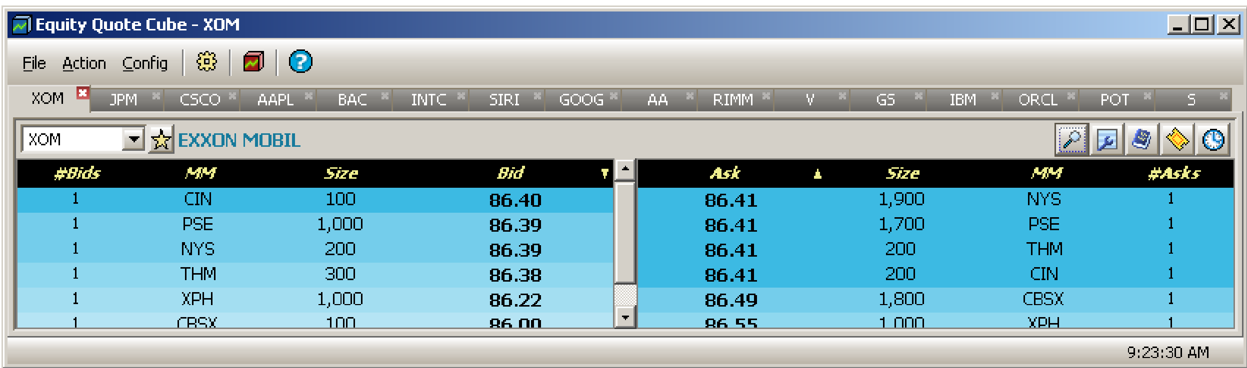
VWAP Intensity Field Added to Quote Grid

A new column **VWAP Intensity** has been added to **Quote Grid**.

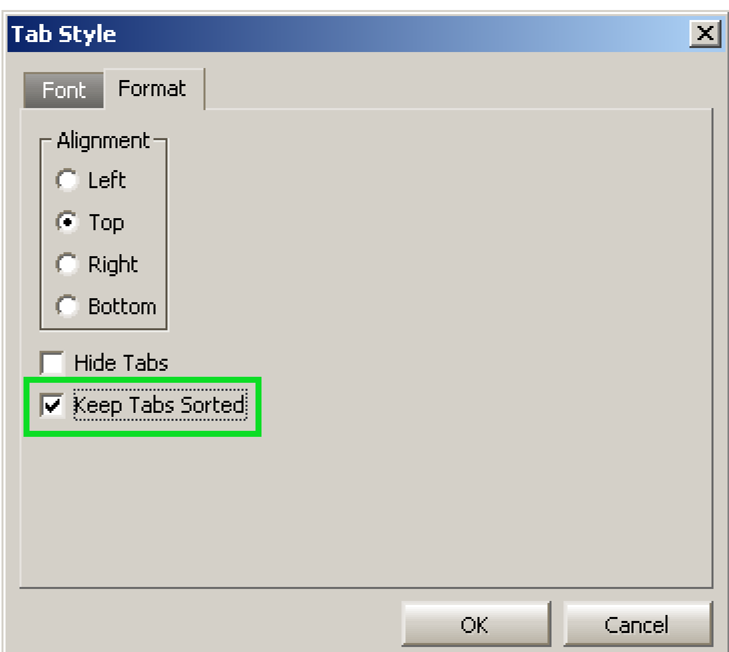
The VWAP (Volume Weighted Average Price) Intensity displays the high (green) or low (red) movement of the VWAP relative to the day's highs and lows.

VWAP Intensity is not in the system default template of Quote Grid. Add it using the **Field Chooser.**

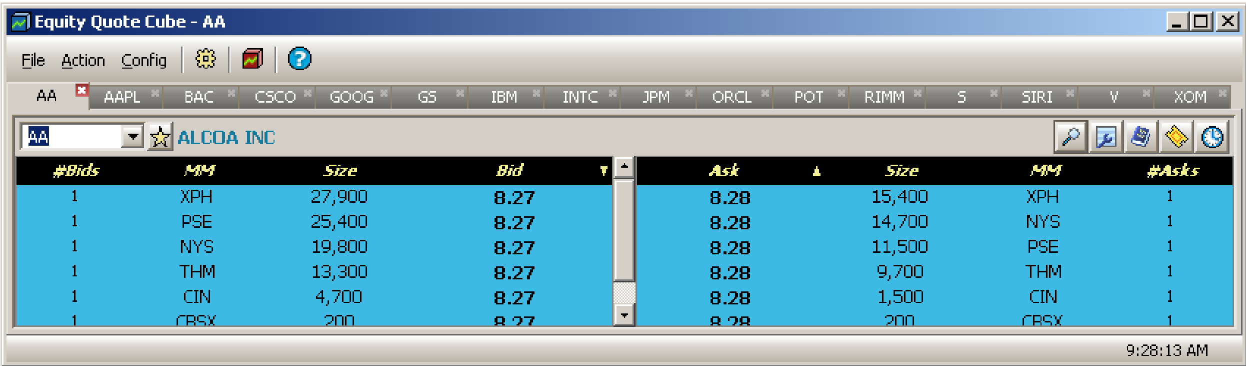
Alphabetize Tabs In Equity and Option Quote Cubes



Tabs listed in random order



New option "Keep Tabs Sorted" sorts tabs alphabetically



Tabs sorted alphabetically

A new feature in **Equity Quote Cube** and **Option Quote Cube** allows for the display of tabs in alphabetical order.

To place tabs in alphabetical order:

1. Right-click on any tab and select **Configuration**.

   Alternate Method:

   From the **Config** menu select **Configure Tabs**.

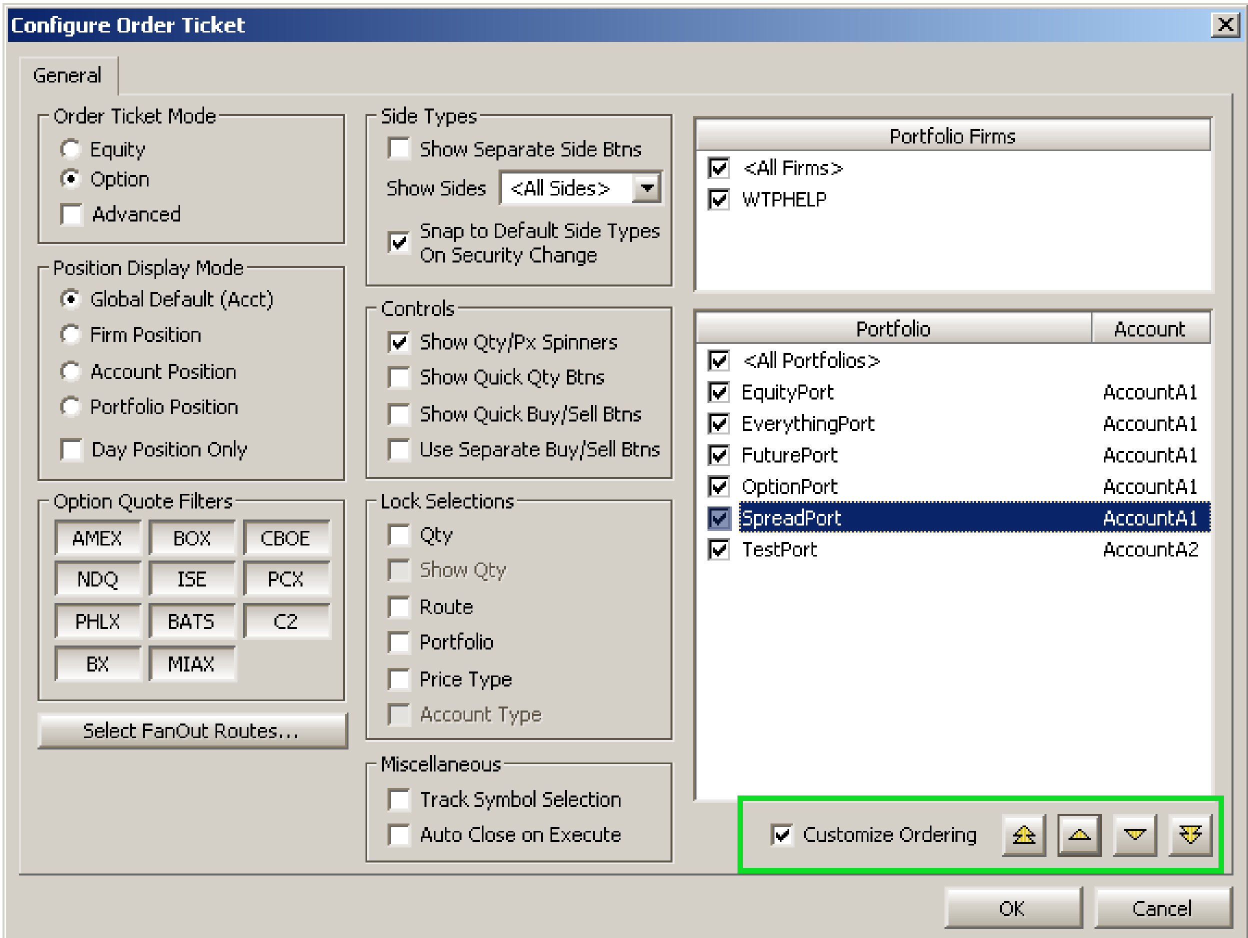
2. In the Configure Tabs window, select the **Format** tab.

3. Check **Keep Tabs Sorted**.

Every new tab that is added will be placed in the correct alphabetical order.

Note: Tabs cannot be manually repositioned as long as Keep Tabs Sorted is in effect. To manually reposition tabs, uncheck Keep Tabs Sorted.

Portfolio Ordering Can Now Be Customized in Order Ticket



The **Order Ticket** can now have the listing of portfolios customized into a preferable order. The configuration governs the display order in the Order Ticket's portfolio box.

A single or multiple portfolios can be re-ordered at once.

Note: The default ordering of portfolios is alphabetical.

To customize the list of portfolios:

1. On the **Configure Order Ticket** window, check **Customize Ordering**.
2. Select one or more portfolios you wish to move
3. Use one of four ordering buttons to move your selected portfolio(s):

 Move the portfolio(s) to the top of the list

 Move the portfolio(s) one position up

 Move the portfolio(s) one position down

 Move the portfolio(s) to the bottom of the list

4. Click **OK** to apply your changes.

New in WTP Help: Option Exchange Codes and Condition Codes

A table listing U.S. Option Exchange codes can be found **here**.

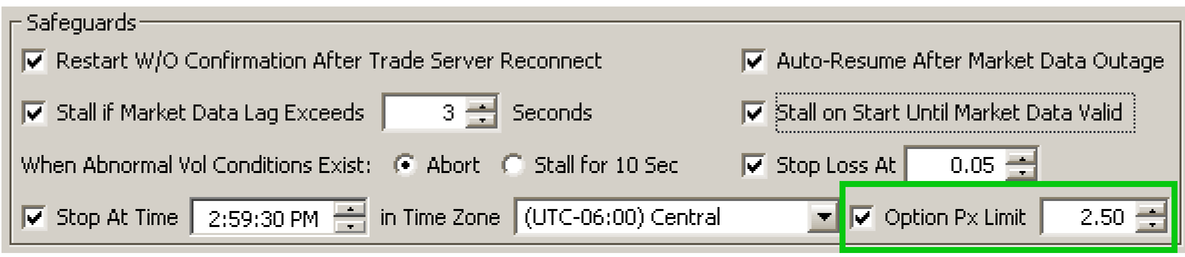
Condition Codes displayed in the system default template of **Option Time and Sales** (in the **Cond** column) are defined **here**.

13.4.37.0

October, 2012

- [New Vol Trader Safeguard: "Option Px Limit"]
- [Conditional Row Filtering Added To Wave Grid]
- [Spread Viewer Usability Improvements]

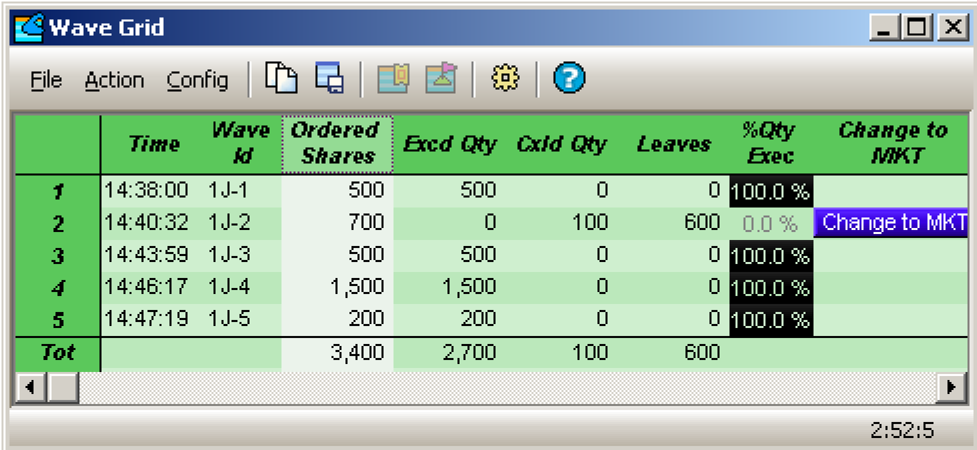
New Vol Trader Safeguard: "Option Px Limit"



A new safeguard **Option Px Limit** has been added to **Vol Trader**.

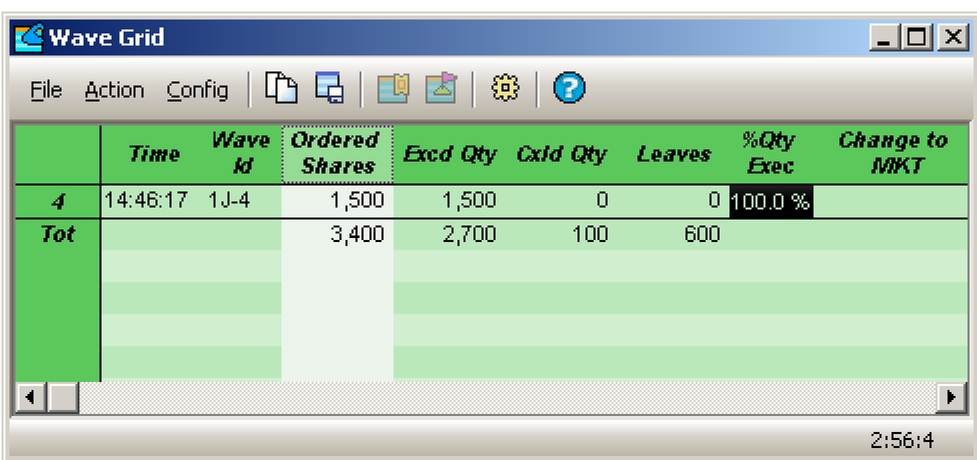
Vol Trader will not trade if its desired option price is greater than the value in the Option Px Limit field.

Conditional Row Filtering Added To Wave Grid



1. Wave Grid showing 5 waves

2. "Add Conditions" window where an expression is defined and the Filter box checked. In this expression, we want to display only Qty Executed orders greater than 1000.

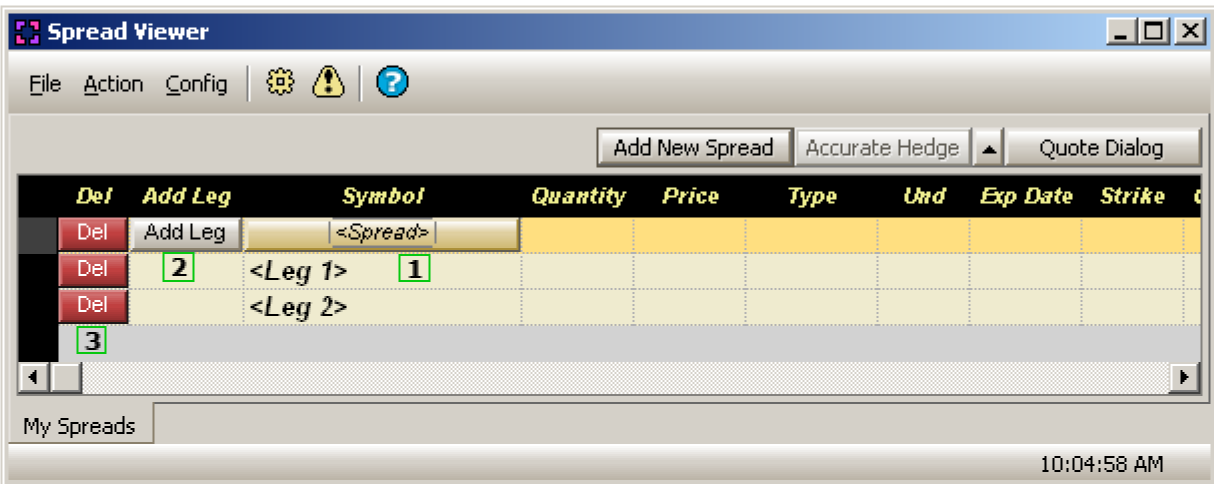


3. Wave Grid displays the wave order that meets the defined conditions while filtering out those that don't.

In the **Wave Grid**, data in the grid can be filtered with the use of the **Filter** check box in the **Add Conditions** window.

Launch the Add Conditions window by right-clicking on any column head in the Wave Grid and select **Add Conditions**.

Spread Viewer Usability Improvements



The following usability improvements have been made In **Spread Viewer**:

1. When the Add New Spread button is selected, two rows are now automatically added to the grid, identified as ***<Leg 1> and <Leg 2>***. Additional legs will be identified in numerical order as they're added (*<Leg 3>*, *<Leg 4>*, etc.).

2. The **Add Leg** button has been moved from above the grid to the row where the spread is identified.

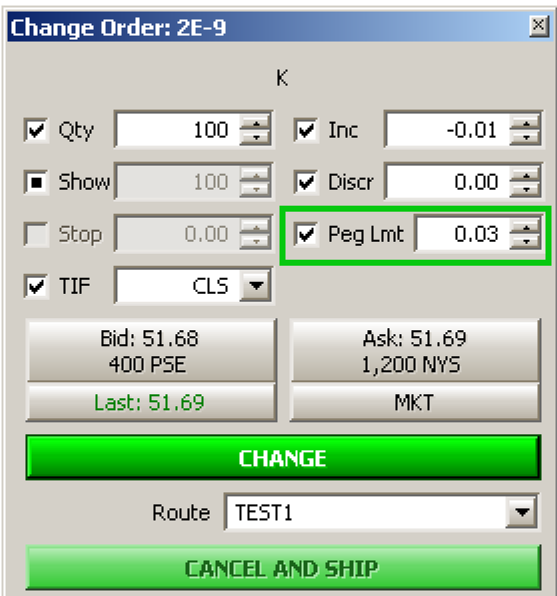
3. The **Delete Leg(s)** and **Delete Spread(s)** buttons have been removed from above the grid. Deleting spreads and legs is now accomplished by selecting the red **Del** button in the appropriate row of the grid.

13.3.36.0

October, 2012

- Peg Lmt Added to Change Order Window
- New Look for Global Configuration
- FAQ Help Page Updated

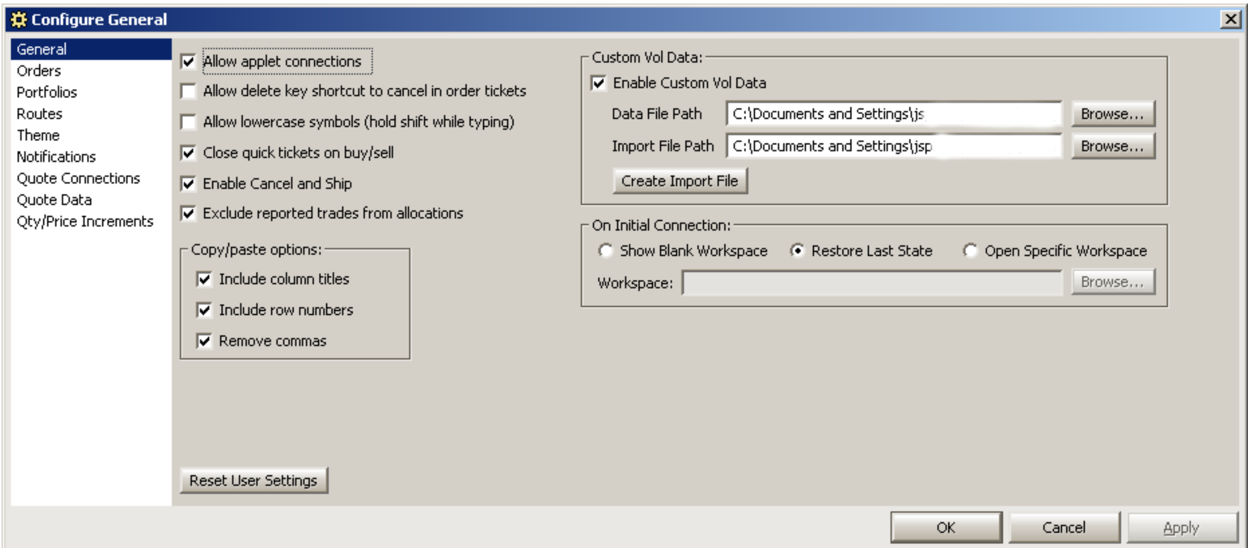
Peg Lmt Added to Change Order Window



Live, unfilled peg orders listed in the Order Grid can now have their Peg Limit value changed in the Change Order window.

Learn how to change unfilled orders **here**.

New Look for Global Configuration



In **Global Configuration**, the configuration tabs at the top of the window have been replaced by a vertical listing of each section.

The **Appearance** screen was renamed **Theme**, and **Qty/Price** was renamed **Qty/Price Increments**.

Other than cosmetic, there are no functional changes to Global Configuration.

FAQ Help Page Updated

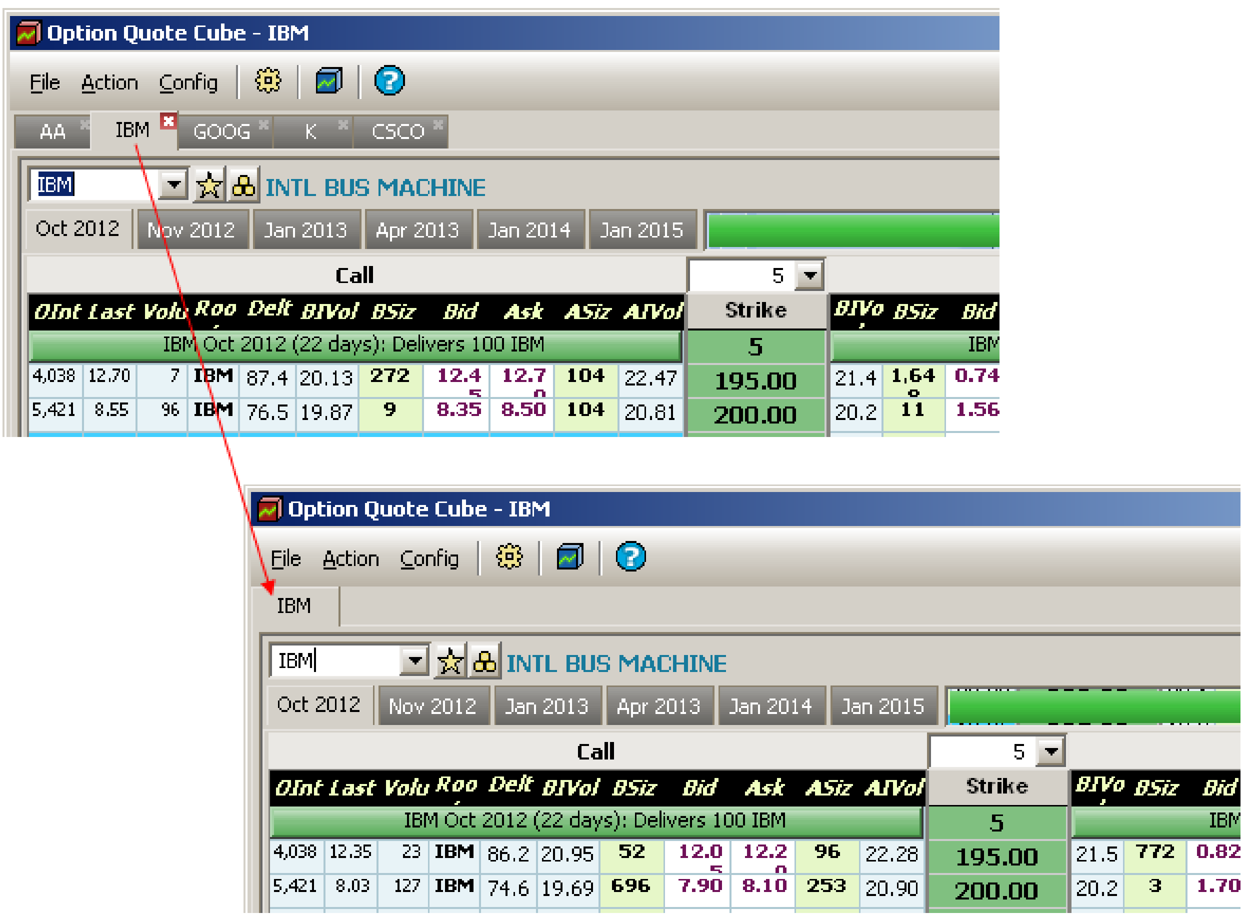
The look of the **FAQ** page in Help has been changed to match the look of other WTP pages. Answers to questions are hidden until the question is clicked.

The latest frequently asked question defines the various entries that can be found in a ticker's EXTRA column. Read it **here**.

13.3.35.0

October, 2012

Dragged Tabs Create a New Window at the Drop Point



Select a tab and drag it to a preferred desktop location. A new window will display at the drop point.

Tabs in the **Equity Quote Cube** and **Option Quote Cube** can be dragged from their location onto another area of the desktop, creating a new window at the drop point.

When a tab is dragged to a new location, it will be removed from the remaining tabs of the source applet.

Learn more about tabs in grids **here**.

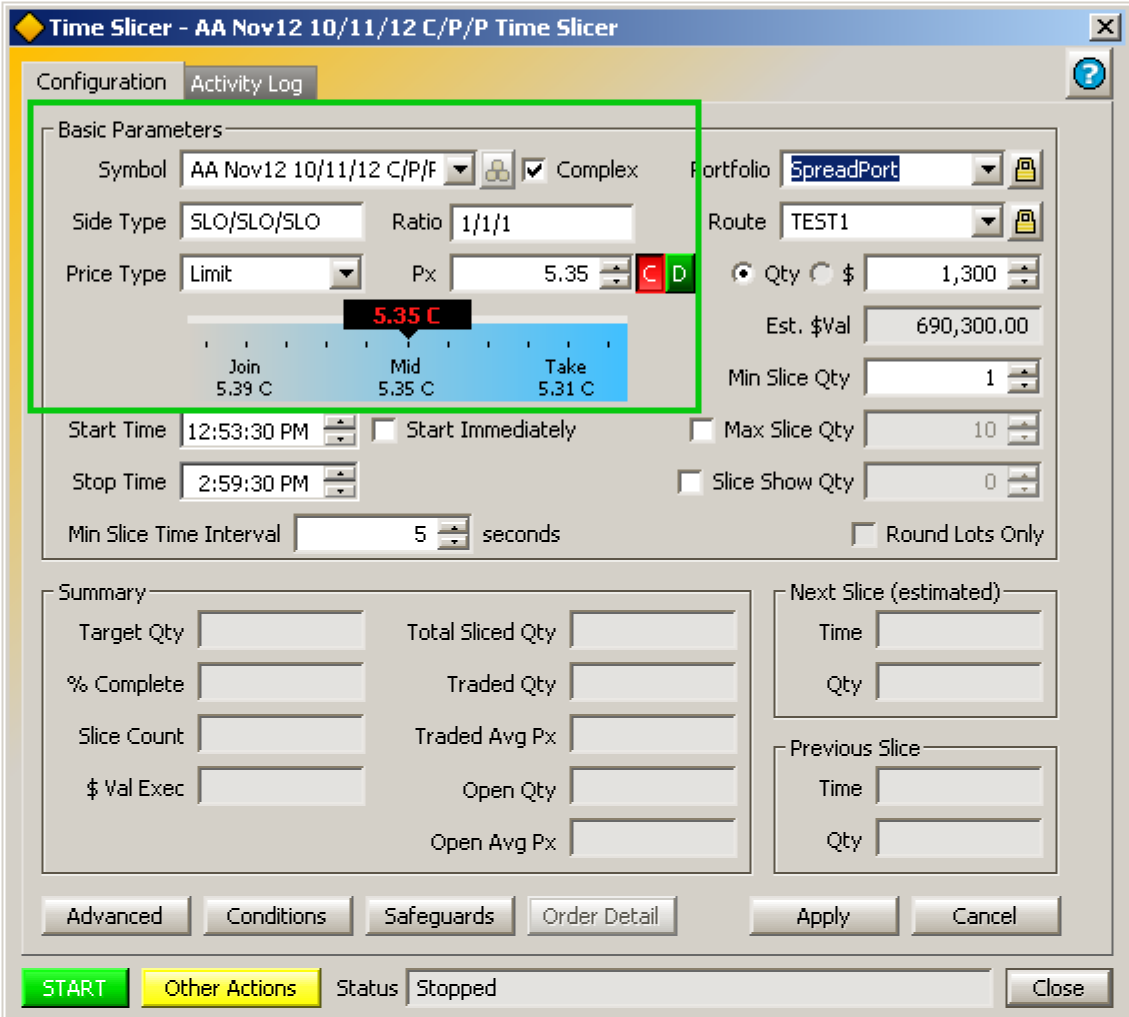
Time in Force (TIF) and Stop Price Settings Added to Change Order Window

Live, unfilled orders listed in the **Order Grid** can now have their Time In Force (**TIF**) value changed in the Change Order window.

Also added to the Change Order window is the **Stop** field. Stop Lmt or Stop Mkt orders can have their values adjusted in this field.

Learn how to change unfilled orders **here**.

Spreads Allowable in Time Slicer



Time Slicer now has the ability to support spread orders.

The **send to** feature can be used to send spread parameters from a WTP applet (such as **Option Quote Cube** or **Spread Trader**). Spread parameters can be manually entered as well by checking the **Complex** box and filling in values into the **Symbol**, **Side Type**, and **Ratio** edit boxes.

New Help Page: Keyboard Shortcuts

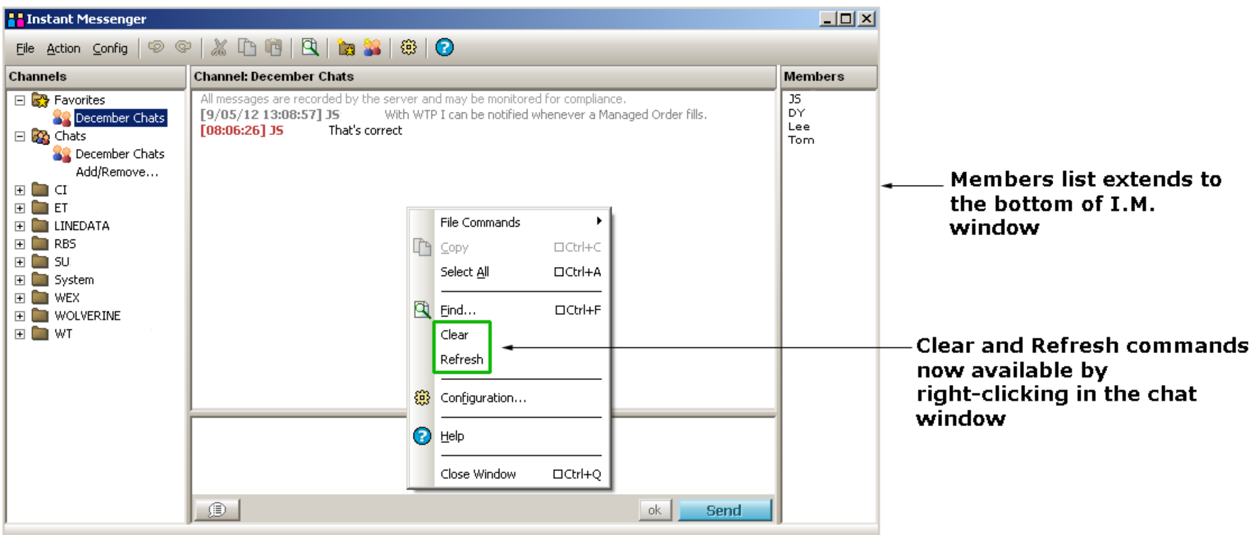
A new Help page listing all keyboard shortcuts in WTP is available here.

13.3.34.0

September, 2012

- [Instant Messenger Layout Improvement]()
- [Export Grid Data/Quick Export Improvements]()

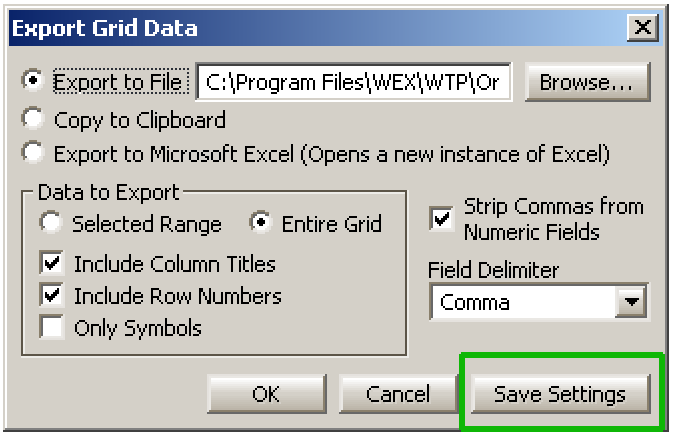
Instant Messenger Layout Improvement



The following layout improvements have been made to **Instant Messenger:**

- The **Clear** and **Refresh** buttons have been removed. Both commands can be found by right-clicking anywhere in the top portion of the chat window.
- The list of Members now extends to the bottom of the window.

Export Grid Data/Quick Export Improvements



The **Export Grid Data** function has been improved with the addition of the **Save Settings** button.

The Save Settings button allows for the saving of export parameters without the need to export the grid data. Previously, selecting the **OK** button would save the export parameters and export the grid data at the same time.

The **Quick Export** feature will now issue a warning if either of these conditions exist:

- The Export Grid Data settings have not been configured and saved
- The exported grid data will overwrite an existing exported file

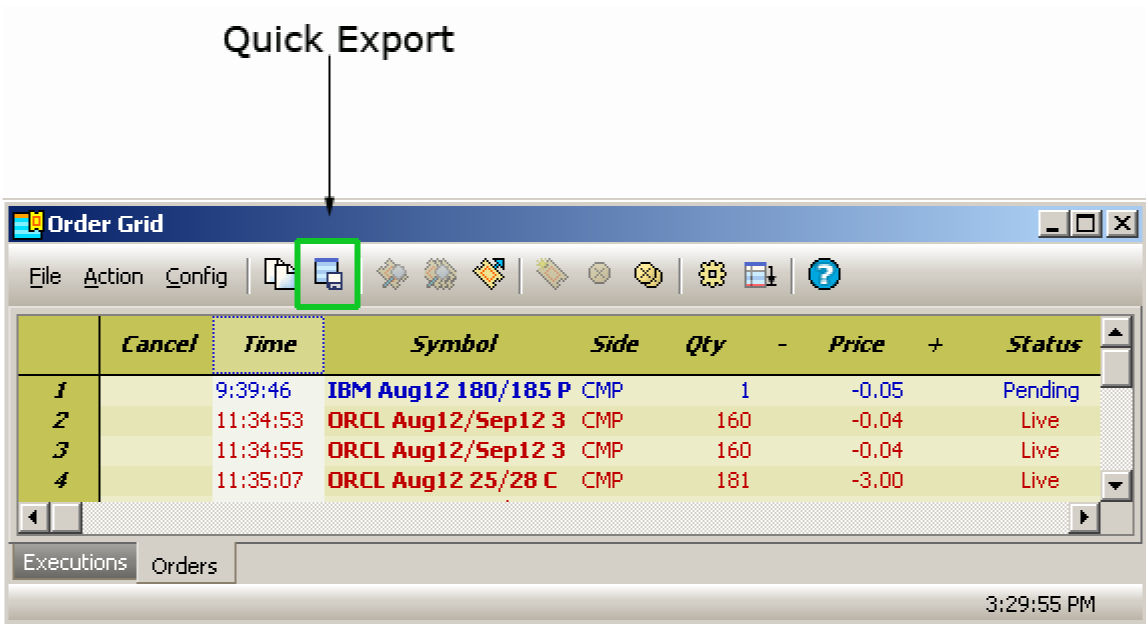
It is recommended to save the WTP app containing the Export Grid Data settings as a template (either as the default template or a customized template) in order to retain the export settings when the app is re-launched. If the app is not saved as a template, the Export Grid Data settings will not be saved.

13.3.33.0

August, 2012

- Quick Export Added to Single-Grid Apps
- Display all Expirations for a Single Product in Option Quote Cube and Spread Builder
- Side Type as a Notification in Global Configuration

Quick Export Added to Single-Grid Apps

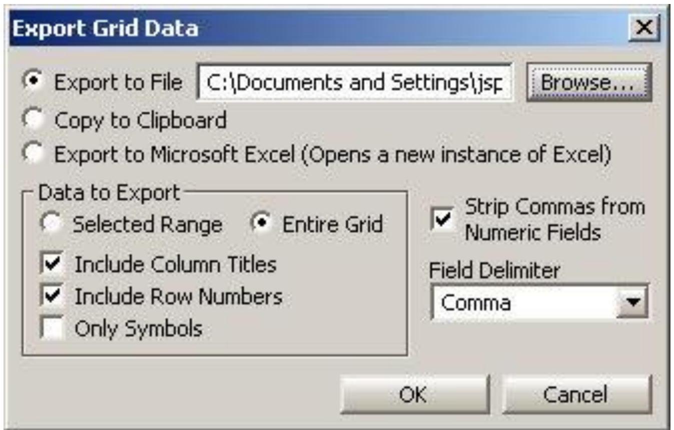


A new function called **Quick Export** has been added to the menu bar of the following apps:

Order Grid
Position Grid
Wave Grid
Option Quote Cube
Option Time and Sales
Spread Book
Spread Builder
Basket Trader
Spread Basket Trader
Stage Basket Trader
Crossing Basket
Allocator
Equity Imbalance Viewer
News Browser
Option Sector Viewer
Managed Order Console

Quote Grid

Quick Export exports grid data (either selected range or entire grid) to a file, clipboard, or MS-Excel spreadsheet, based on the settings defined in the **Export Grid Data** window:



In the Export Grid Data window are the customized export settings. When Quick Export is selected, it will use these parameters as it exports grid data.

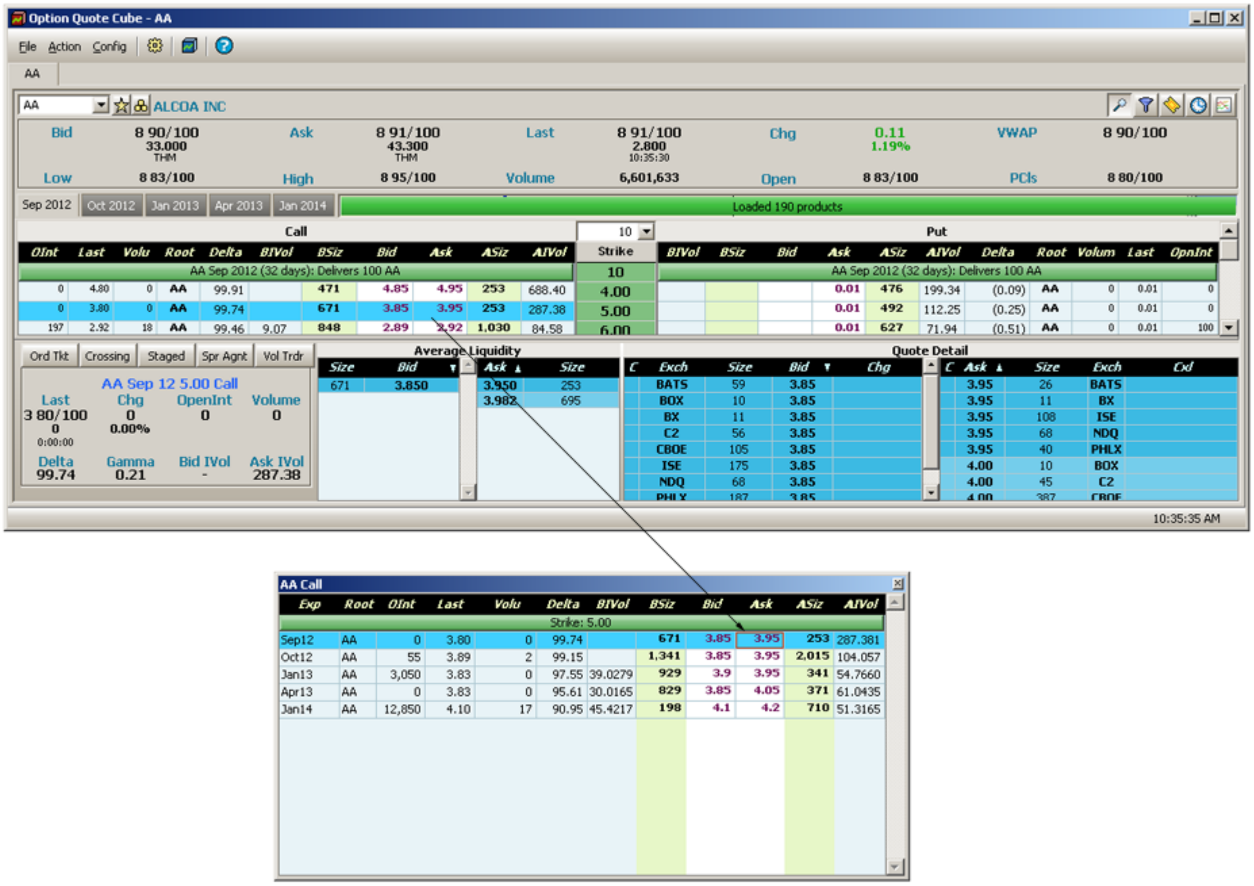
Things to note about Quick Export:

- Quick Export will not be available for selection until Export Grid Data has been configured. The configuring of Export Grid Data will result in an exported file when **OK** is selected.
- Each time Quick Export is selected it will overwrite a previously-created export file.
- Quick Export will not issue a warning that a previously-created export file exists before overwriting it. Also, it will not confirm that an exported file was created.
- When the Export Grid Data has been configured, a grid app can be saved as a default template. When launched, Quick Export will be available for selection without the need to reconfigure the Export Grid Data window.
- A quick export can be issued by selecting the Quick Export icon in an grid app's toolbar.

  Alternate methods for selecting Quick Export:

  - From the **Action** menu
  - Right-clicking in the grid
  - **Ctrl + Shift + E** keyboard shortcut

Display all Expirations for a Single Product in Option Quote Cube and Spread Builder



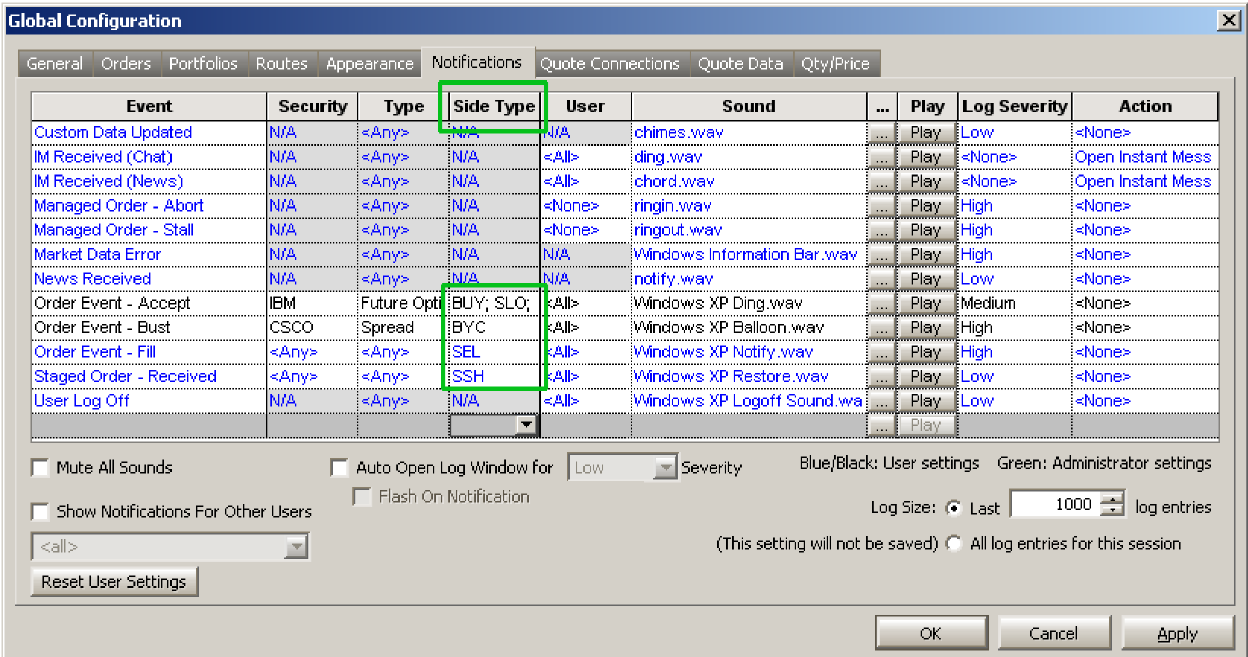
When a single product is selected in the Option Montage Grid of the **Option Quote Cube** or **Spread Builder**, issuing the **View Expirations for Strike** command (by right-clicking in the grid) will launch a new window in which data for all expiration dates is displayed. Multiple strike prices can be selected *before or after* issuing the command.

If a different security is selected in the Option Quote Cube or Spread Builder, it will be reflected in the View Expirations for Strike window.

The newly-launched window responds as other WTP grids in which the **Order Ticket** can be launched when selecting a bid or ask value. Also, the grid data can be exported and the **send to** command can be issued.

Note: Only one option side can be shown at a time. If a call and a put are selected in the Option Quote Cube or Spread Builder, the View Expirations for Strike window will display the most recently selected option side.

Side Type as a Notification in Global Configuration



A new notification can now be set based on the **Side Type** in **Global Configuration** under the **Notifications** tab.

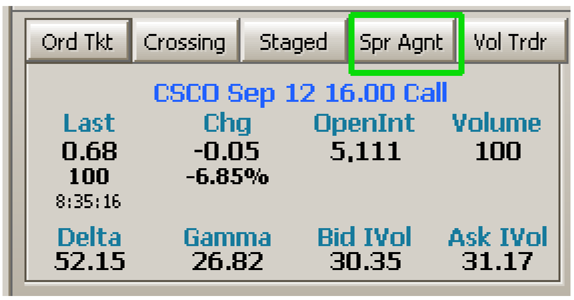
Side type notifications can be selected only for **Order Events**. The selection of side types (buy, byc, sel, slo, etc.) is made from the drop-down list in the Side Type column. Check **All** to select all available side types.

13.3.32.0

August, 2012

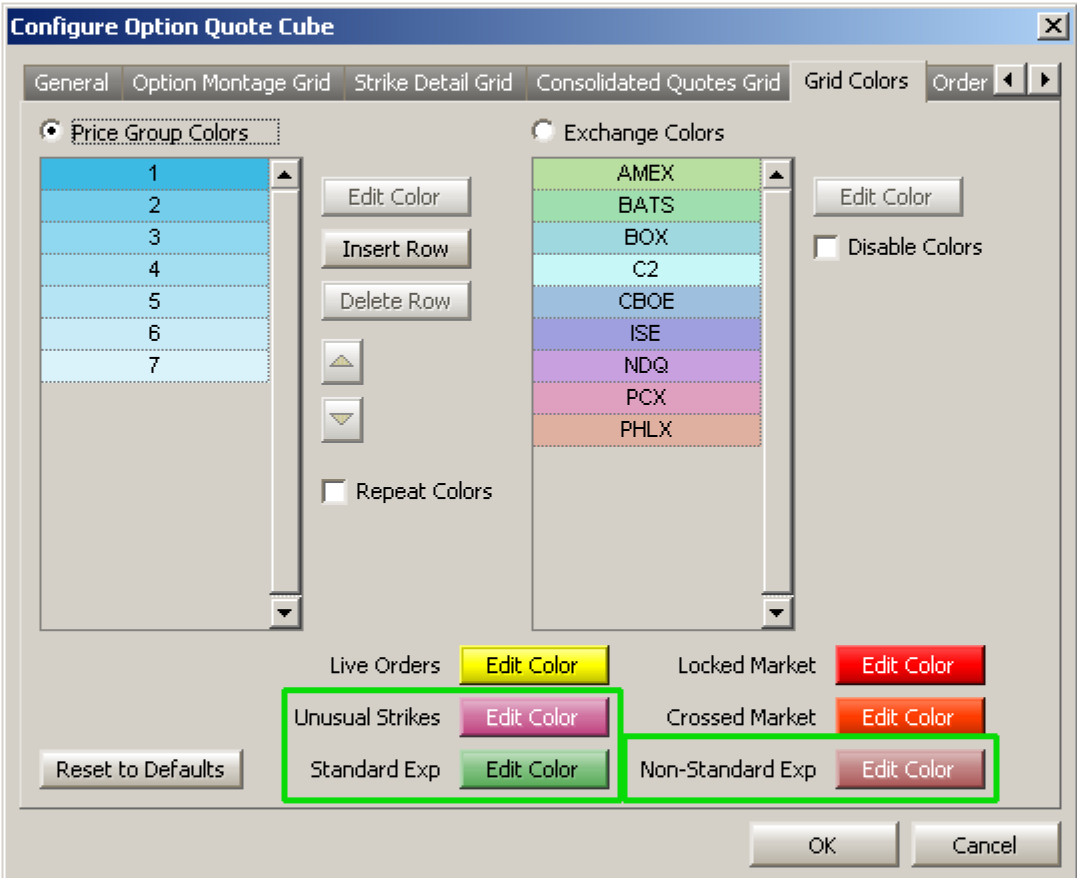
- [Spread Agent Quick-Launch Button Added to the Option Quote Cube]
- [Colors for the Strike Columns in the Option Quote Cube Are Configurable]

Spread Agent Quick-Launch Button Added to the Option Quote Cube



The **Spread Agent** quick-launch button has been added to the **Option Quote Cube**. It replaces the **Spread Trader** quick-launch button.

Colors for the Strike Columns in the Option Quote Cube Are Configurable



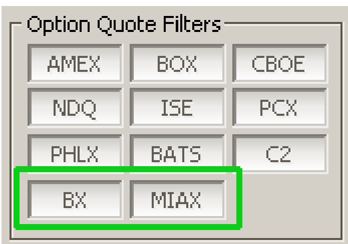
In the **Option Quote Cube** the colors displayed in the grid for standard expirations, non-standard expirations, and unusual strikes can be configured. To define the colors for the strike types, open the Option Quote Cube configuration window, go to the **Grid Colors** tab, and select the strike type. A color palette will open allowing for the selection of basic colors or the defining of custom colors.

13.3.31.0

July, 2012

- Support for BX and MIAX Option Exchanges Added to WTP
- Calculate Vol Trader Percentage from Reference Prices Using the Snap Vol Button

Support for BX and MIAX Option Exchanges Added to WTP



WTP now supports option quotes from the Nasdaq OMX BX Options Exchange (**BX**). Additionally, the Miami International Options Exchange (**MIAX**) is available for selection in anticipation of its launch scheduled for later this year.
Select either exchange as an Option Quote Source route in Global Configuration under the **Routes** tab.

Calculate Vol Trader Percentage from Reference Prices Using the Snap Vol Button

Vol % is 0.00 for imported Vol Trader orders

Vol % is calculated when Snap Vol is selected

Unless specifically defined in a Vol Trader import file, imported Vol Traders do not have an associated Vol % value. This is due to the fact that a Vol % value is dependent on a number of factors including a security's reference price, an underlying security's reference price, and current market conditions.

Consequently, the Managed Order Console will display the Vol % of imported Vol Traders as 0.00 unless one of the following occurs:

- The order is opened for viewing, at which point the Vol % will be calculated.
- A new Vol Trader button Snap Vol is selected. The Vol % will be calculated and displayed without the need for opening the order.

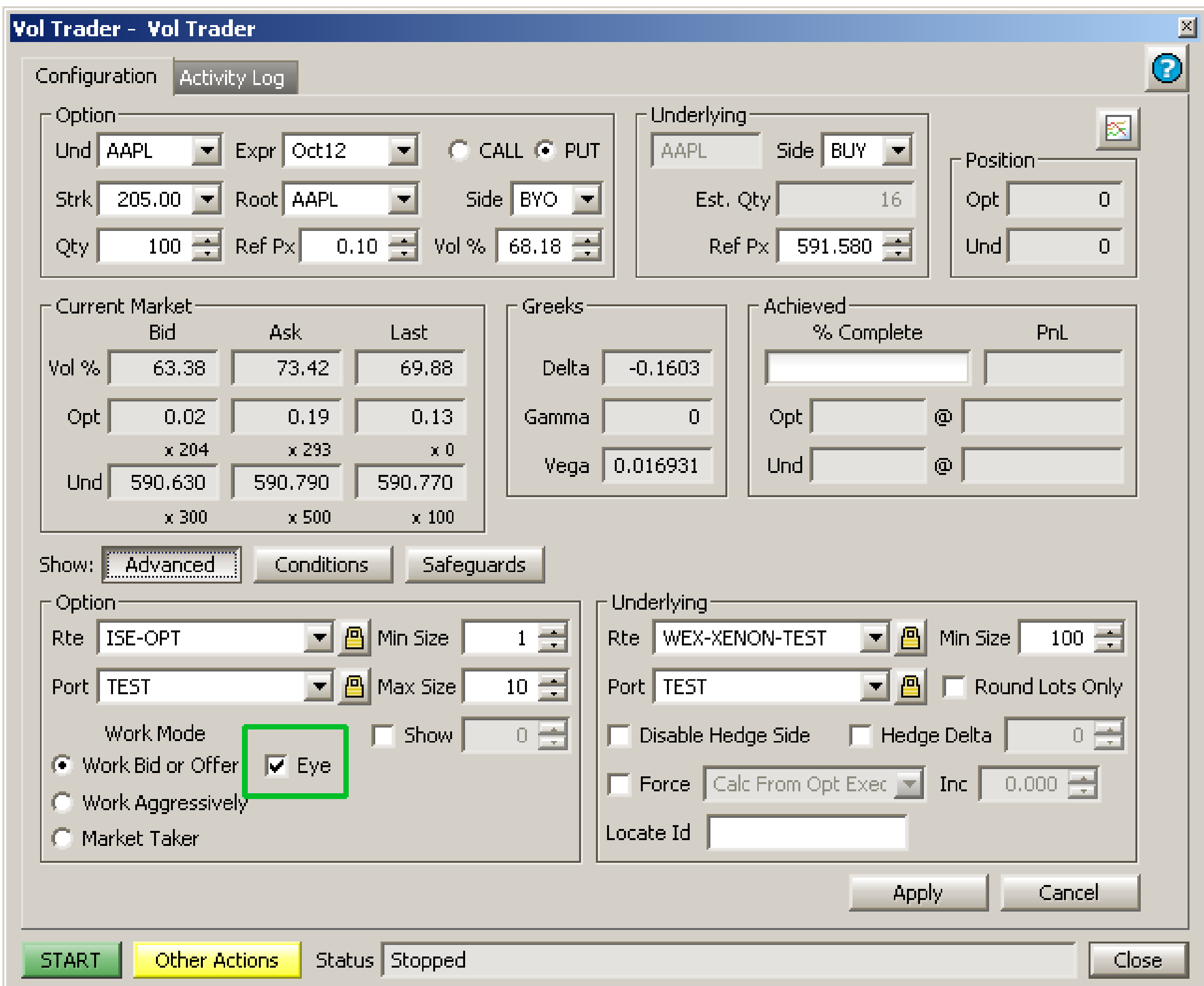
To add the Snap Vol column to the Managed Order Console, user the Field Chooser, select Vol Trader, and Snap Vol.

13.3.30.0

July, 2012

- Work Bid or Offer with Eye now in the Vol Trader
- Increment Spinner Values by a Factor of 5 with the Shift Key
- Flash On Notification Setting Added to Global Configuration

Work Bid or Offer with Eye now in the Vol Trader



The Vol Trader **Eye** feature provides a more aggressive approach to capturing marketable Vol % levels.

By default, the **Work Bid or Offer** mode (in the Advanced section) places option orders to *buy at the bid* or *sell at the ask* when market conditions are valid. The Eye feature enables this work mode to place an IOC (**I**mmediate **o**r **C**ancel) option order to *buy at the ask* or *sell at the bid* to try and capture marketable liquidity before falling back to its default behavior.

To use this feature, the Vol Trader must be in Work Bid or Offer mode with Eye checked, and the configured option route must support a Time In Force of IOC.

Since the order will only be routed to the exchange designated in the **Rte** (Route) field, it is highly recommended to use this feature with a WEX smart router such as Xenon for orders to capture liquidity more broadly.

Increment Spinner Values by a Factor of 5 with the Shift Key

Spinners change the Px field in $0.01 increments (as defined in Global Configuration)

With the shift key pressed, spinners change the Px field in $0.05 increments (the defined increment value X 5)

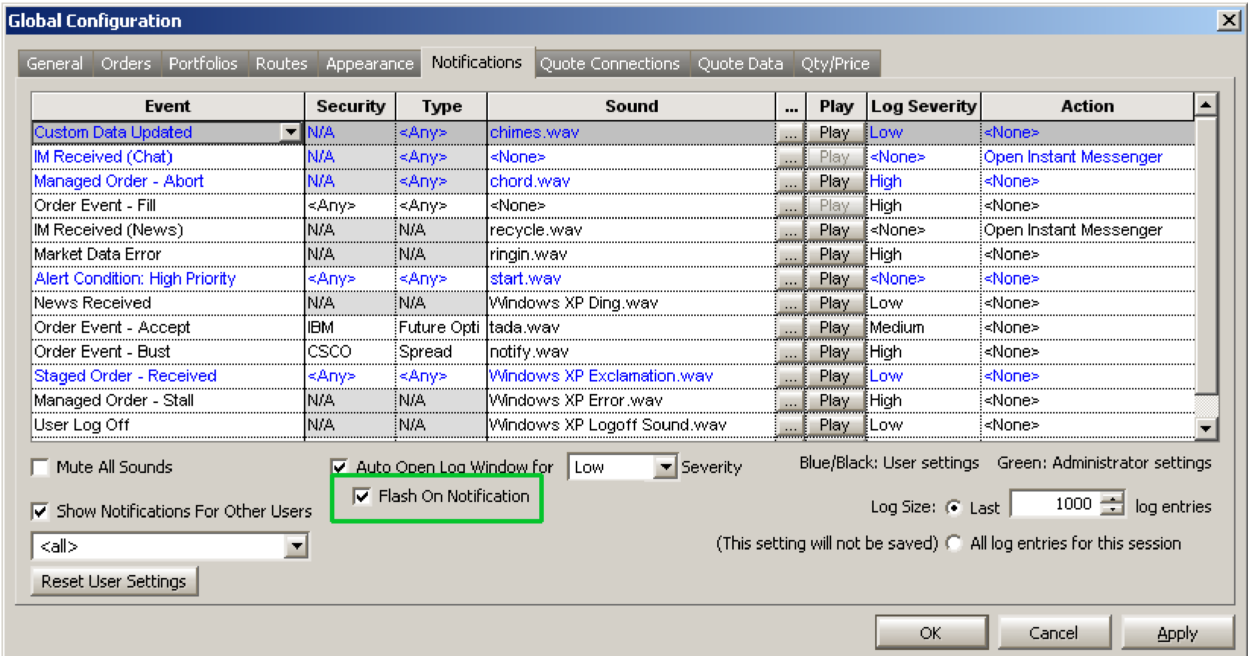
The default spin increment for price and quantity controls are set in the **Qty/Price** tab of **Global Configuration.** If a security has a price increment of $0.01, the price field will increase/decrease by $0.01 each time the spinner control (the up/down arrow) is used.

A new **Quick Shift** feature allows the spinners to increment *by a factor of five* from the value defined in Global Configuration when the shift key is pressed while the spinner control is used.

In the example above, the default increment value for the symbol DELL is $0.01. When the shift key is pressed, the price increment changes to $0.05, or five times the default increment value.

The quick shift feature also works for other values within WTP order tickets that are controlled by the spinners (e.g., the Qty field).

Flash On Notification Setting Added to Global Configuration



When the WTP toolbar is minimized to the taskbar, the WTP taskbar icon will flash if **Flash On Notification** is checked *and* the **Notifications Window** launches.

The flashing of the taskbar icon stops when the Notifications Window is selected.

If it is preferable to eliminate the taskbar flash when a notification is received, do not check Flash On Notification.

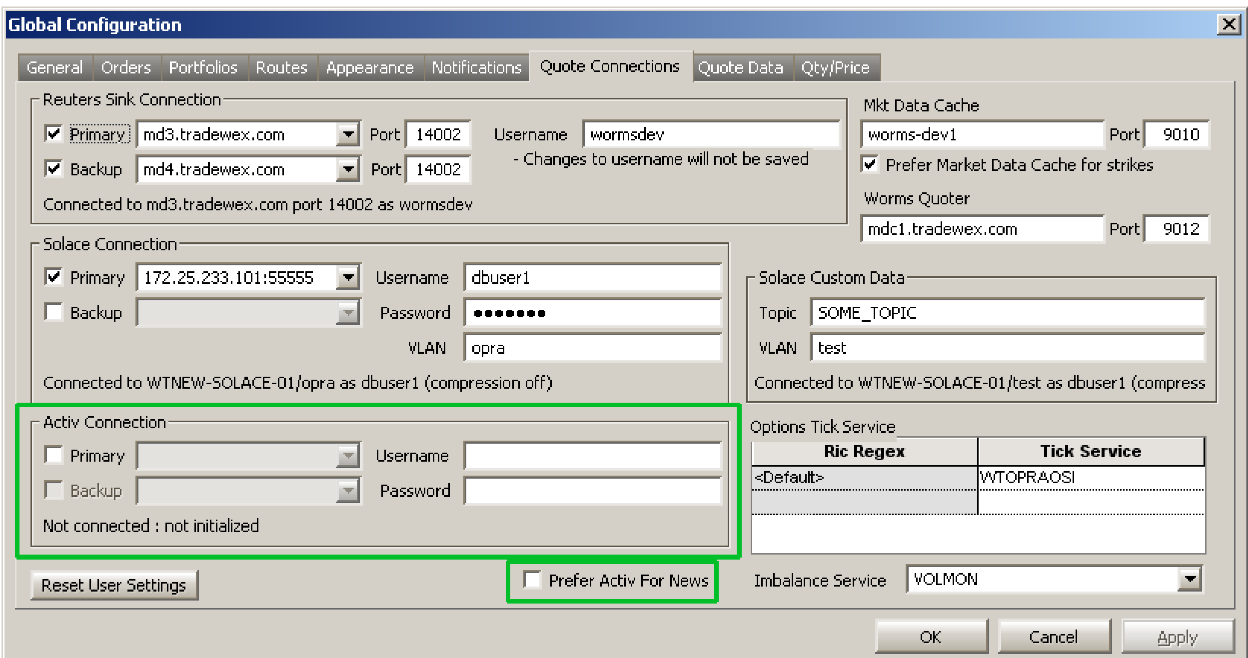
Note: Auto Open Log Window for ______ Severity must be checked in order to access the Flash On Notification option.

13.3.29.0

June, 2012

- [Activ Market Data and Activ for News Available in Global Configuration]
- [Currency Support Added to Spread Agent]
- [Spread Agent Now Available as a "Send To" Destination]
- [Hot Key Command in Equity/Option Quote Cube Launches Crossing Ticket]

Activ Market Data and Activ for News Available in Global Configuration



In **Global Configuration** under the **Quote Connections** tab, are the **Activ Connection** fields.

If market data is to be received via an Activ data feed, select a Primary connection address from the drop-down list, or type one in the Primary field. Optionally, a backup connection can be defined by checking the **Backup** box and selecting the backup address (or entering an address in the Backup field).

The primary/backup fields are formatted as **Host Name: Port**.

Enter also a predefined Username and Password.

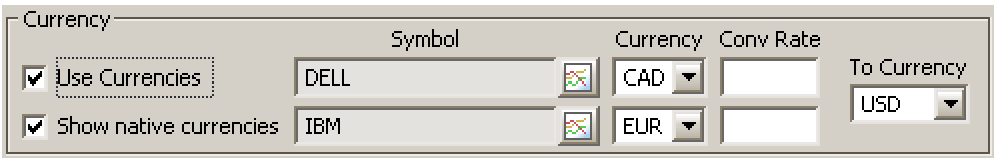
Note: All fields relating to the Activ connection are normally set up during WTP installation.

Prefer Activ For News

Check this box if its preferable to have headlines/news stories delivered via the Activ feed.

If unchecked, headlines/news stories will be delivered via Reuters.

Currency Support Added to Spread Agent



By default, Spread Agent trades in U.S. dollars, but different currencies may be selected.

Choose a different currency:

1. Check the **Use Currencies** box.

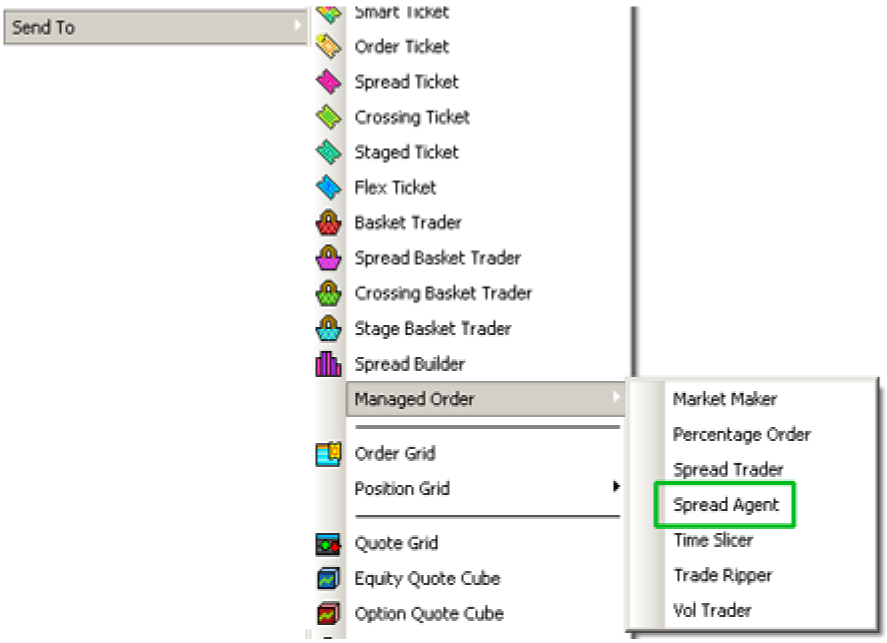
2. From the drop-down list, select a currency for each side. The **State** values in the **Calculated** fields will be adjusted for the selected currency.

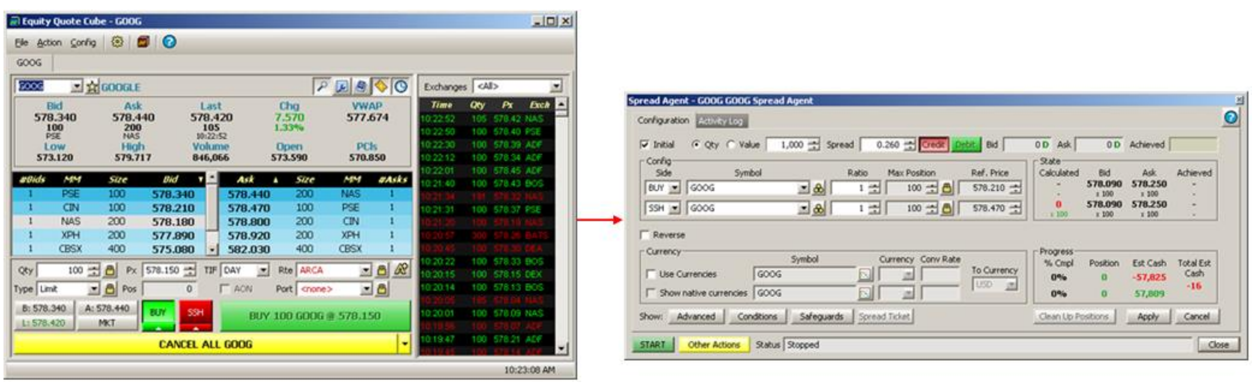
   Note: The **conversion rate** is computed automatically.

Show Native Currencies

The "**Show native currencies"** check box is available when **Use Currencies** is checked. The **State** values (Bid/Ask) will display the security's selected currency value.

Spread Agent Now Available as a "Send To" Destination





An Equity Quote Cube bid sent to Spread Agent using the "Send To" feature

Selected grid data from WTP apps can now be sent to **Spread Agent** using the **Send To** command. Spread Agent will populate the Symbol fields with the same field as the forwarding app.

Hot Key Command in Equity/Option Quote Cube Launches Crossing Ticket

In both the **Equity Quote Cube** and **Option Quote Cube** the **Crossing Ticket** can be launched with the following hot key command:

Ctrl + Shift + X

Note that the Crossing Ticket can also be launched from the **Action** menu in both apps.

13.3.28.0

May, 2012

- New Chart Viewer Feature Allows You to Save Chart as an Image File
- Method for Importing a Basket Improved in Basket Trader
- Enable Custom Vol Data Now Selectable in Global Configuration
- Tip of the Week "Only Show Me New Tips"

New Chart Viewer Feature Allows You to Save Chart as an Image File

Chart Viewer with "Save Chart As..." command

Saved chart in jpg format

A new feature in **Chart Viewer** allows you to save a chart as an image file in one of the following formats:

- bmp
- png
- jpg
- gif

Save a Chart as an Image File:

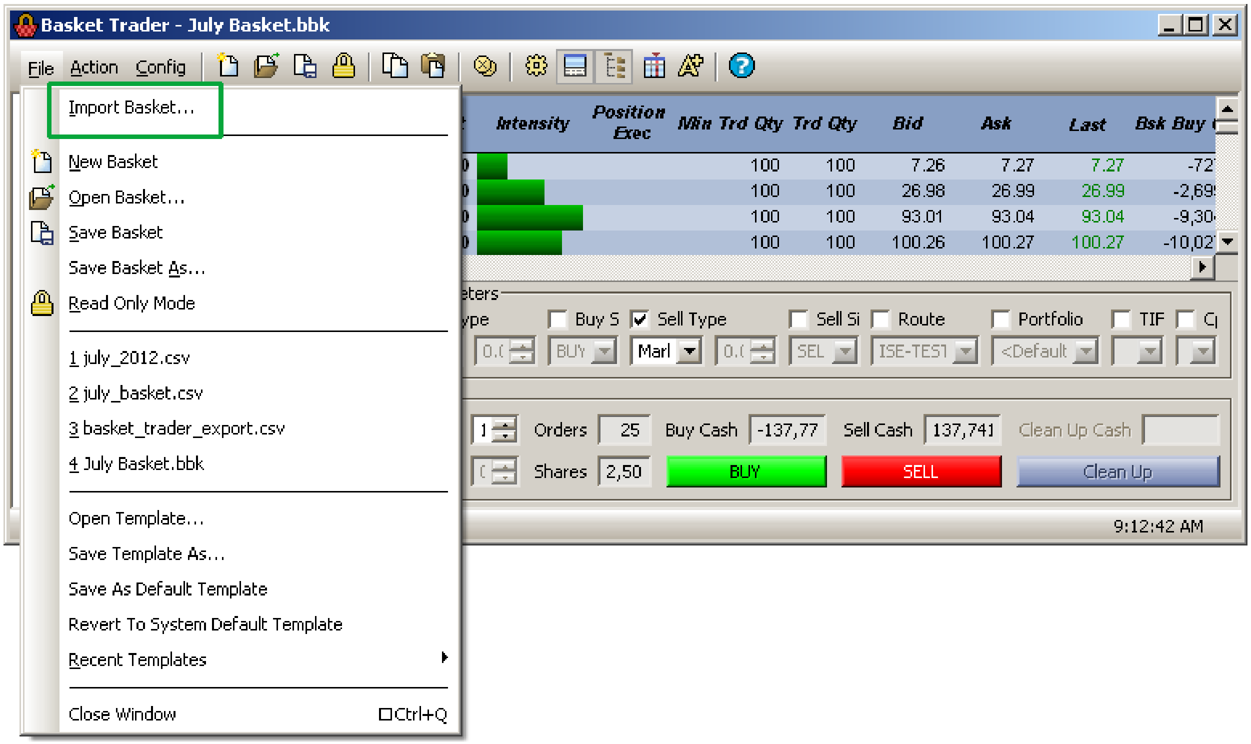
From the **File** column in Chart Viewer, select **Save Chart As...**

Alternate Method:

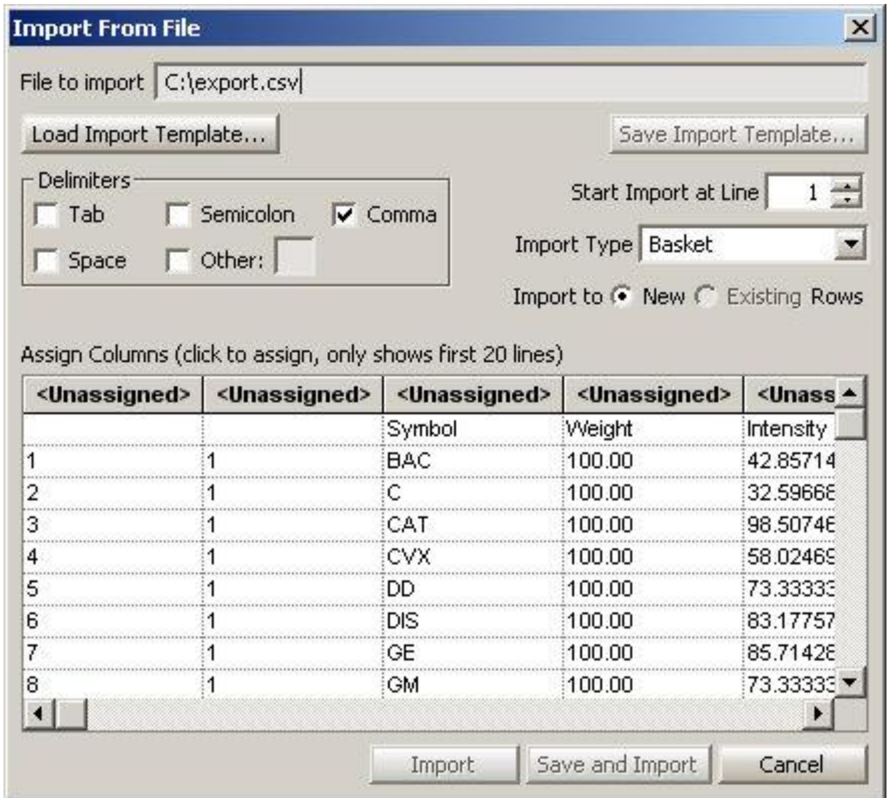
Right-click anywhere on the chart itself. Select **File Commands-->Save Chart As...**

When the **Save As** window opens, select a file name, file type, and destination for the chart image.

Method for Importing a Basket Improved in Basket Trader



Select Import Basket to load a previously-defined .csv file



After issuing the "Import Basket" command, a .csv file has been selected and the Import From File window launches.

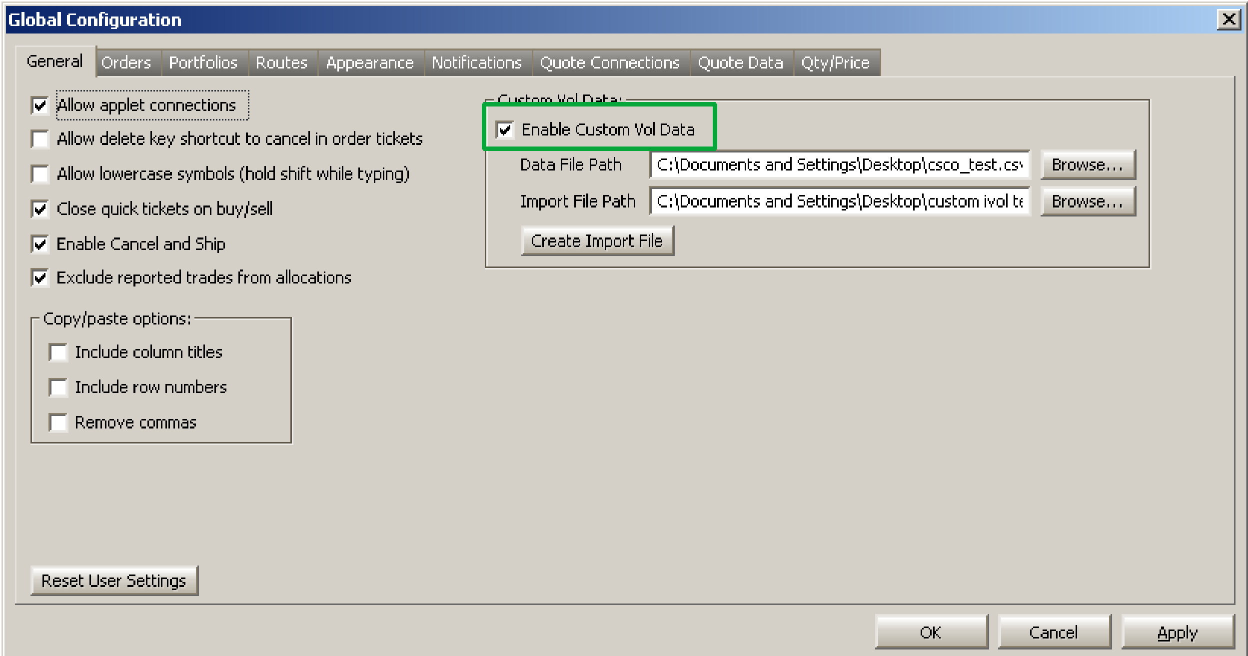
The method of importing a *.csv or text file into Basket Trader has been improved with the new **Import Basket** command.

The command is found in the **File** menu, or by right-clicking anywhere in the basket grid and selecting **File Commands-->Import Basket...**

Basically, once the Import Basket command has been issued, a .csv file is selected. The **Import From File** window launches, allowing you to assign column names, load a previously-defined template, and select the delimiters that exist in the .csv file. Once the import parameters have been defined, the .csv file is loaded into Basket Trader as its own basket.

Detailed instructions for importing a file into Basket Trader can be found [here](#).

Enable Custom Vol Data Now Selectable in Global Configuration

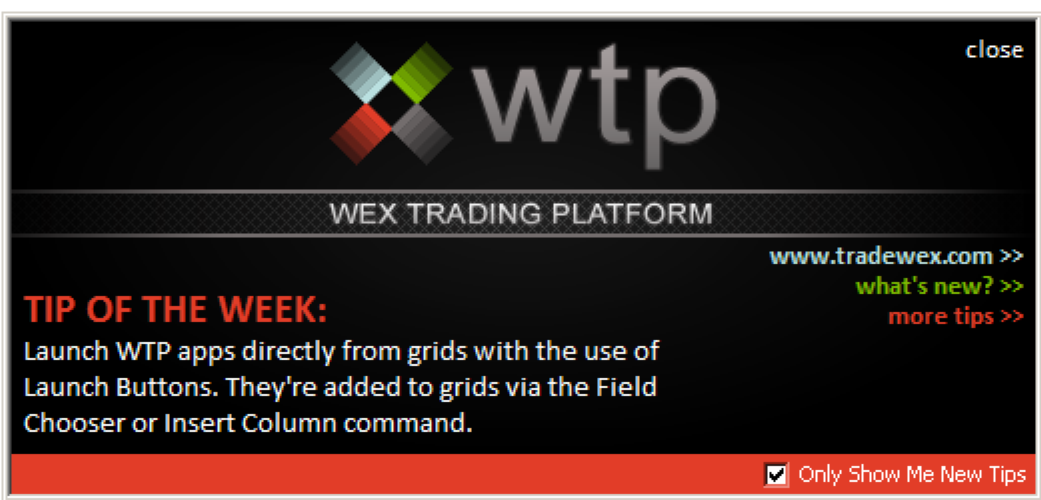


In **Global Configuration** under the **General** tab, a check box now allows you to enable/disable Custom Vol Data.

If checked, both a data file path and import file path must exist before saving the configuration. If unchecked, a data file path and/or import file path need not be defined.

Learn the details of setting up custom vol data, data file paths, and creating an import file **here**.

Tip of the Week "Only Show Me New Tips"



A new configuration check box **"Only Show Me New Tips"** has been added to the **Splash Screen**.

When checked, the Splash Screen launches when logging in to WTP *only* when a new tip has been added (approximately once a week).

If unchecked, the Splash Screen will launch upon logging in to WTP regardless if a new tip has been added.

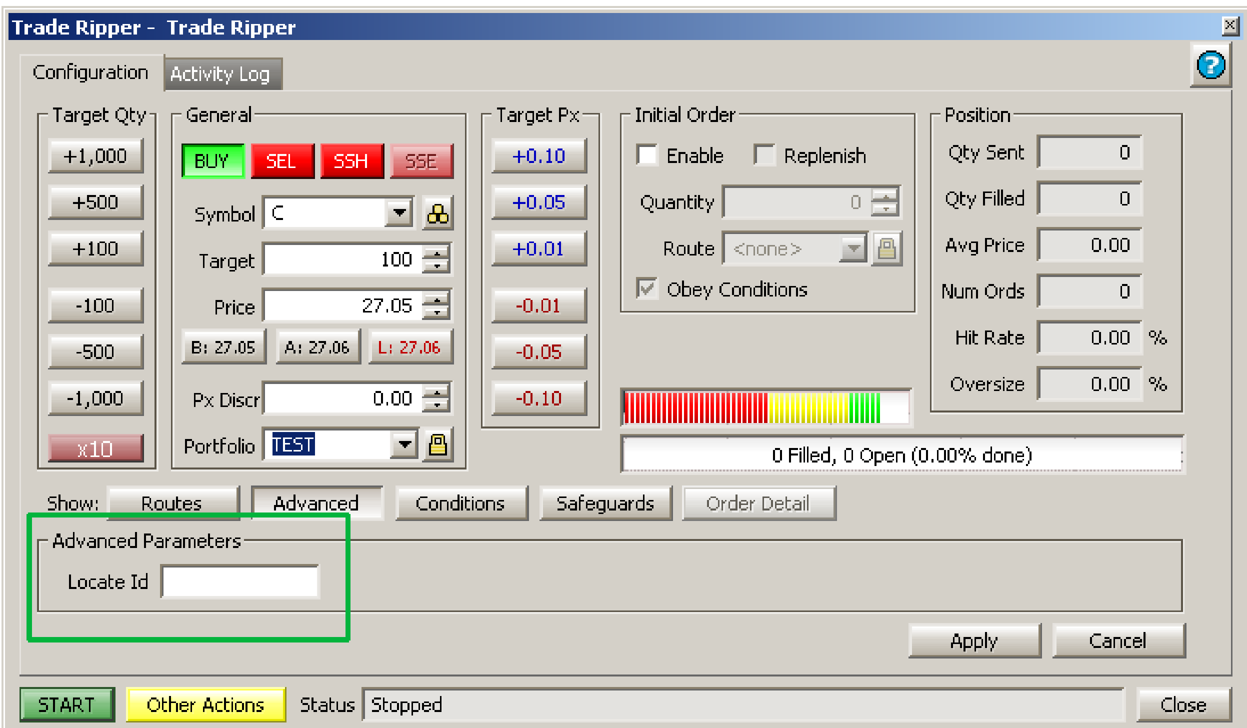
In either case, the Splash Screen can still be launched from the WTP toolbar under the **Help** menu.

13.3.27.0

May, 2012

- [Locate ID Field Added to Managed Order Apps]
- [Initial Spread Can Be Disabled in Spread Agent]
- [Accurate/Delta Hedge Button Added to Spread Viewer]

Locate ID Field Added to Managed Order Apps



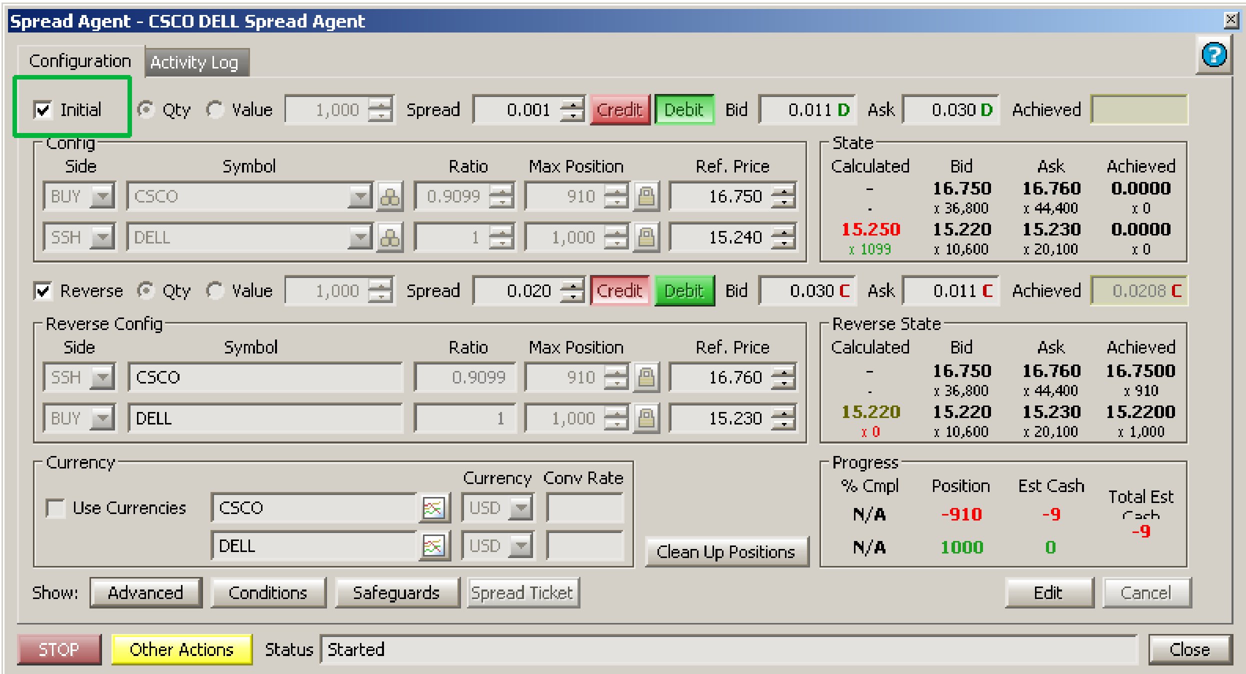
Trade Ripper in Advanced mode

The following managed order apps now contain the **Locate ID** field in advanced mode:

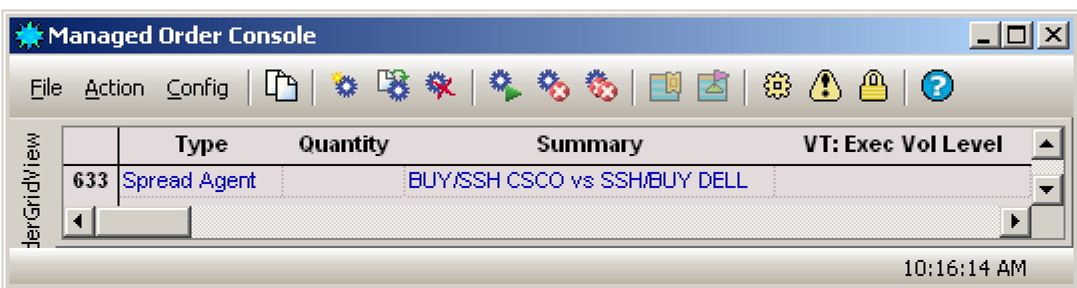
- Time Slicer
- Market Maker

Note: Both numbers and letters can be used as a Locate ID, but there is a 16-character limit.

Initial Spread Can Be Disabled in Spread Agent



Spread Agent with Initial and Reverse check boxes. The Initial spread can be disabled while the app is running by unchecking the box.



The Managed Order Console lists the Spread Agent with both Initial and Reverse spreads.

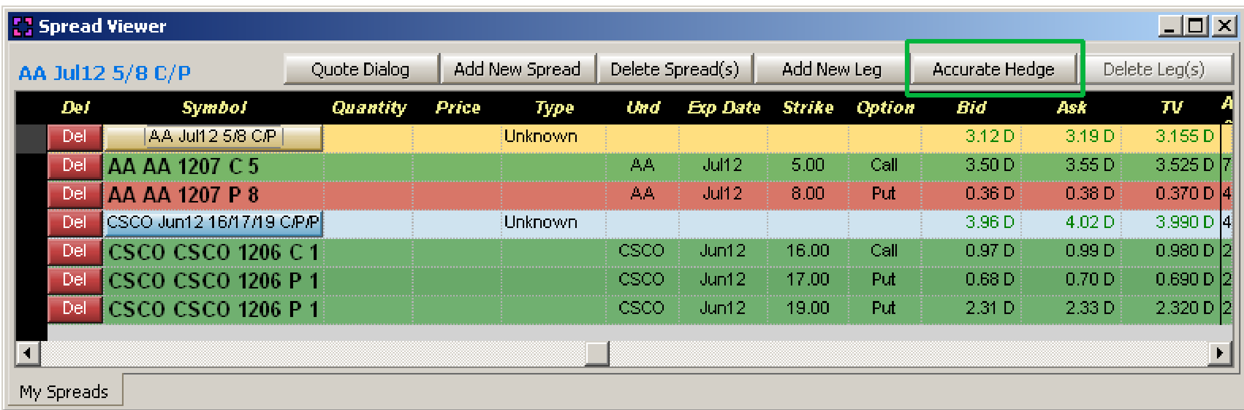
The Managed Order Console displays only the Reverse Spread when the Initial Spread is disabled.

In **Spread Agent** you can now disable the initial spread by unchecking the **Initial** check box. Spread Agent will respond by working only the reverse spread.

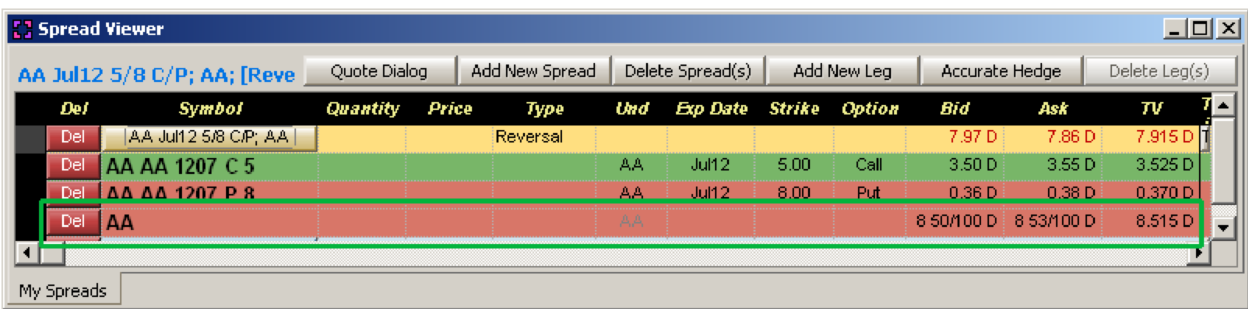
The **Initial** check box can be unchecked *while the Spread Agent is running.* The order change will be reflected in the Managed Order Console in the **Summary** column.

At any time while the Spread Agent is running, the initial spread can be worked again by checking the **Initial** check box.

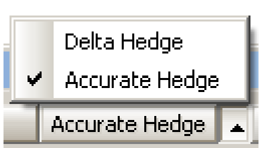
Accurate/Delta Hedge Button Added to Spread Viewer



Two spreads defined in Spread Viewer. New Accurate Hedge button is at the top.



First spread selected (containing one BYO, one SLO). Accurate Hedge pressed, equity leg added (SSH) bringing the total Delta to zero.



Delta Hedge can be selected instead of Accurate Hedge in a single option leg configuration.

A new button **Accurate Hedge** has been added to **Spread Viewer**.

The **Accurate Hedge** button inserts an Equity leg (or modifies one that already exists) to bring the total Delta for the order to zero. If the Delta is positive then a Sell Equity Leg will be inserted. Conversely, a Buy Leg will be added for negative deltas. Equity legs are added in lots of 100, so the Equity will only be added if the offending Delta is more than 50 (or less than -50).

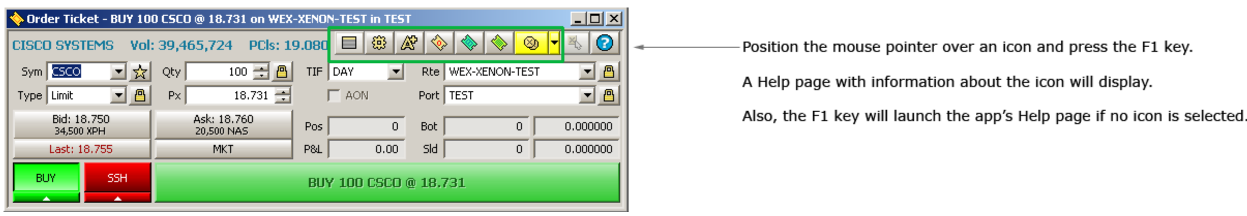
In a single option leg configuration, **Delta Hedge** can be selected instead of **Accurate Hedge** by pressing the up arrow next to the button. When Delta Hedge is in force, the stock leg ratio is changed to 100 (or -100).

Note: If the legs are close to zero already, selecting **Accurate Hedge** will have no effect.

13.3.26.0

May, 2012

Improved Help Function Added to WTP

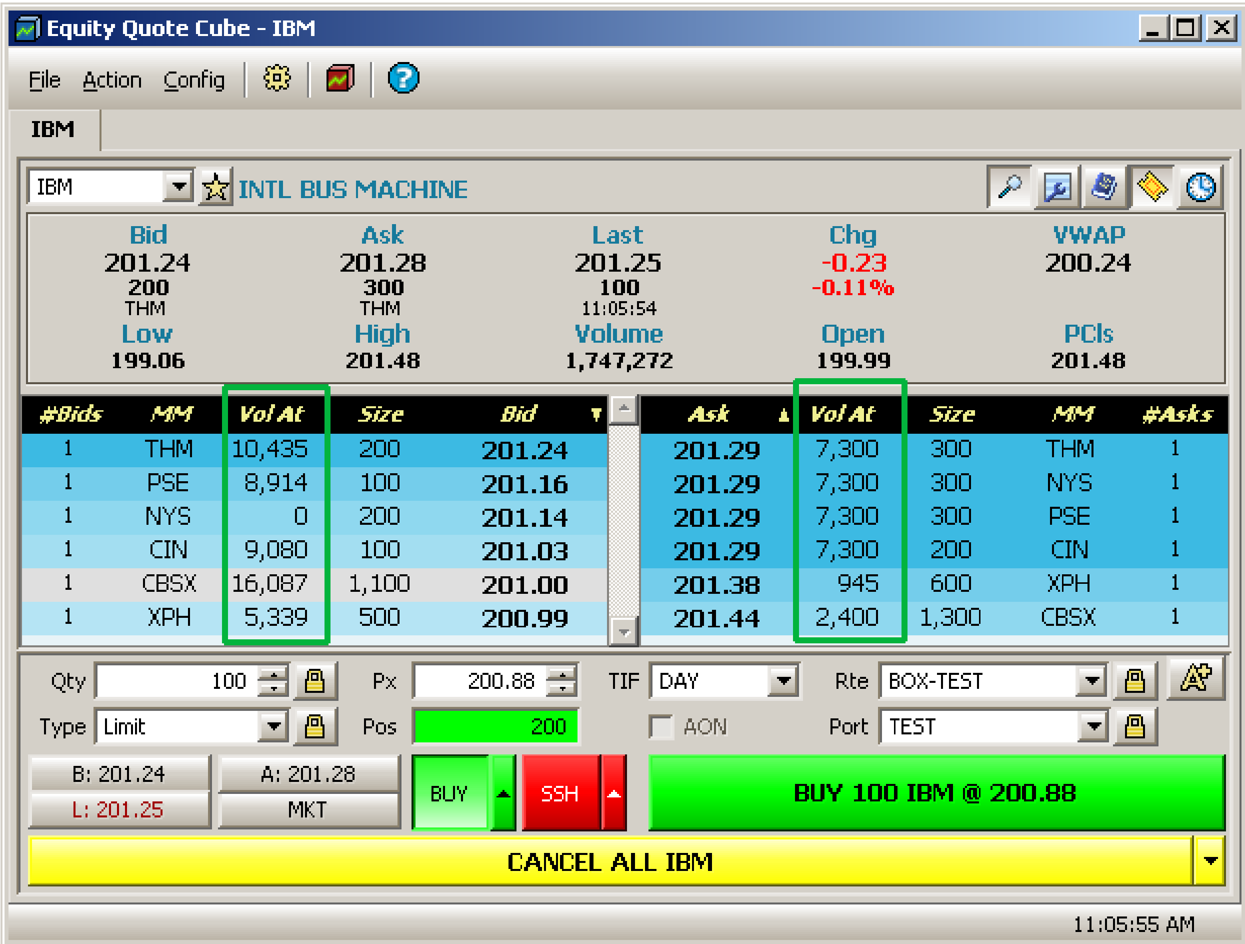


Additional granularity has been added to the Help pages. When the mouse pointer is hovered over an icon, press the **F1** key to open an existing Help page that describes the icon and its function.

Note: An icon's description may not necessarily be found on the app's main Help page.

An app's main Help page will be displayed if:
- The F1 key is selected without hovering over an icon.
- Non-WTP-specific icons (cut, copy, paste, undo, etc.) are selected.

New Field for Equity Quote Cube: "Volume At"



The volume traded at each price tier is now available for display in the **Equity Quote Cube** with the **Vol At (Volume At)** column.

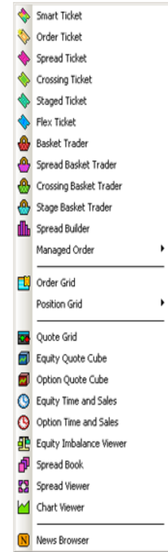
The Vol At column can be placed in both the Bid and Ask grids.

To add the Vol At column:

1. Right-click in the column head area of the grid.
2. Select **Field Chooser**.
3. Select **Quote Cube Detail-->Vol At**

"Send To" Feature Added to Order Ticket

"Send To" command



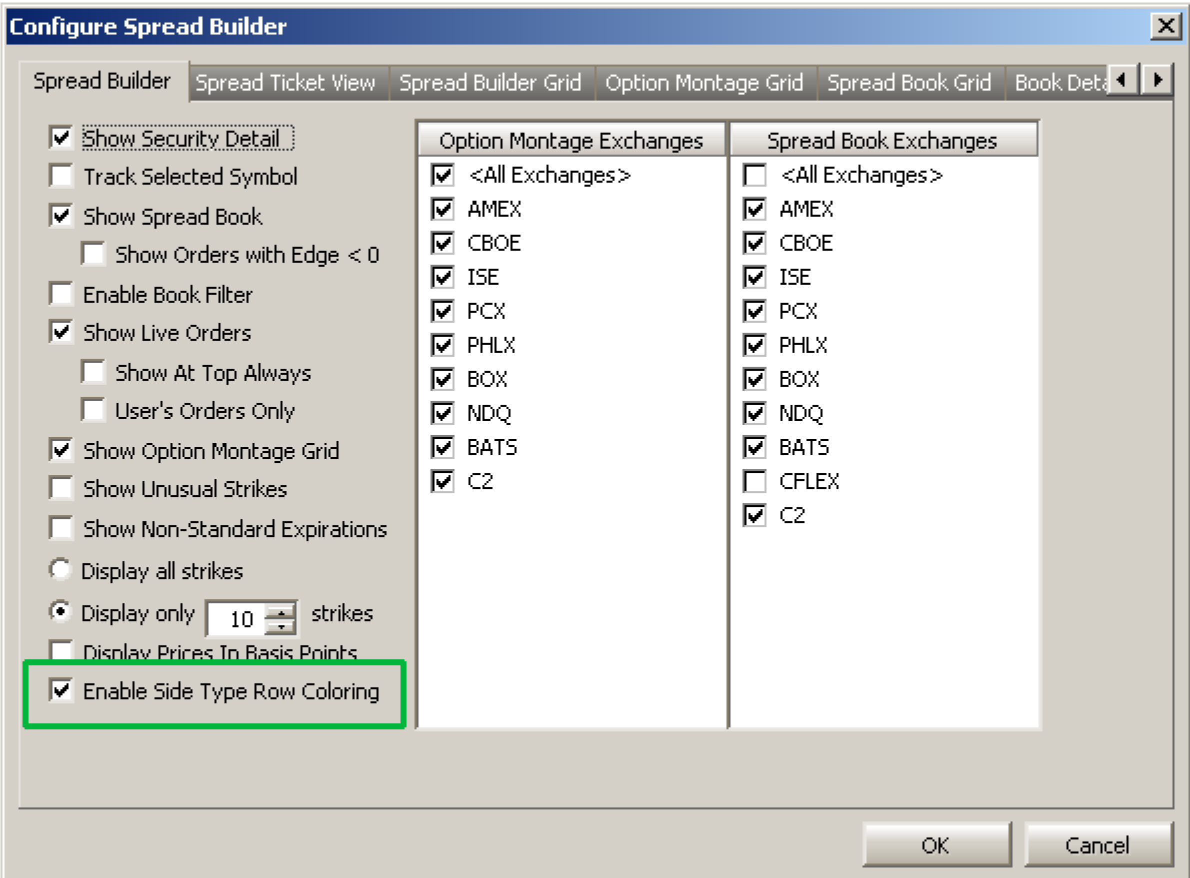
The ability to send field data from the Order Ticket to another WTP app has been enabled. These fields are supported:

- Symbol/Security
- Quantity
- Price
- Price Type
- Route
- Portfolio (Contra)
- TIF
- Side Type (Contra)
- Staged Order ID
- Give Up (Contra)
- CMTA (Contra)
- Account Type (Contra)

The following order tickets have the "send to" feature enabled:

- Equity/Option Outright
- Equity/Option Crossing
- Staged Order Ticket

"Enable Side Type Row Coloring" Now in Spread Builder and Spread Viewer



Configure Spread Builder

Leg display, side type row coloring disabled


AA May12/May12/Jul12/Jul12/Jul12 7/10/9/10/13 C/P/C/P Add Leg Reverse Clear Accurate Hedge

Del	Side	Ratio	Und	Expr	Strike	Opt	Price	Strike Delta	Delta	Root	Bid Size	Bid
Del	BYO	1	AA	May12	10.00	Put	1.06	(89.72)	(89.72)	AA	1,290	0.93
Del	SLO	1	AA	Jul 12	9.00	Call	0.57	56.36	(56.36)	AA	1,381	0.62
Del	BYO	1	AA	Jul 12	10.00	Put	1.22	(70.74)	(70.74)	AA	568	1.12
Del	BYO	1	AA	Jul 12	13.00	Put	4.05	(97.68)	(97.68)	AA	391	3.90

Leg display, side type row coloring enabled. Colors for Buy/Sell rows configured in Global Configuration-->Theme

The option to display legs of a spread in custom colors has been added to **Spread Builder** and **Spread Viewer**.

Enable Side Type Row Coloring is found under the Spread Builder tab in the Spread Builder configuration.

When selected, **Enable Side Type Row Coloring** will display the Buy side in one color and the Sell side in another.

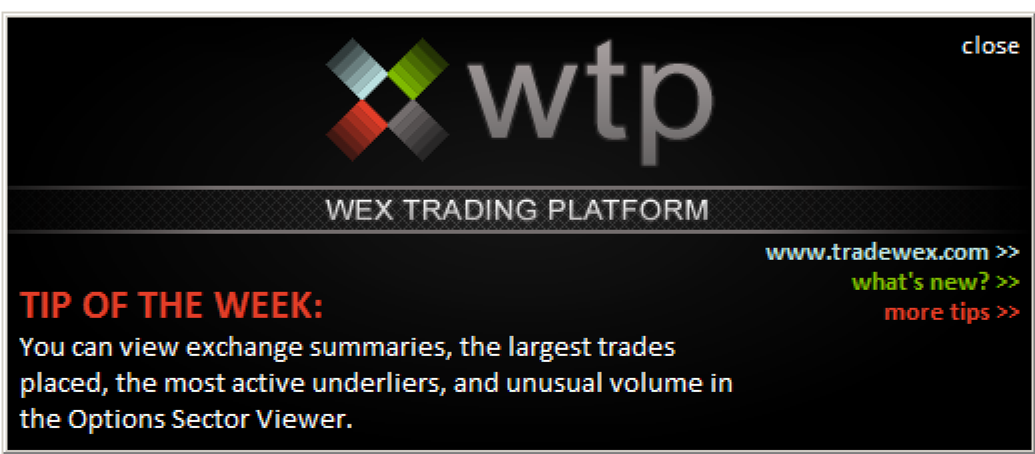
The colors for Buy and Sell are configured in Global Configuration, under the **Theme** tab.

13.3.25.0

May, 2012

New Splash Screen design features Tip of the Week

Splash Screen, former version



New Splash Screen featuring Tip of the Week

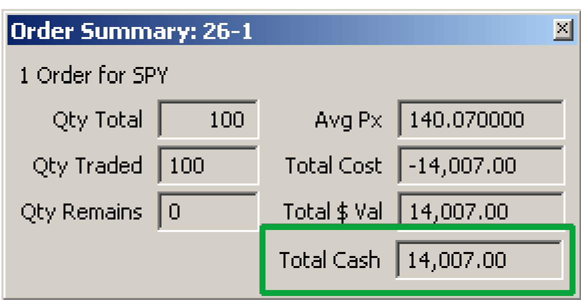
A newly designed splash screen launches when logging into WTP.

The contents of the splash screen:

- **Tip of the Week**—A short informational message that changes on a weekly basis. Note that the tip may be describing functionality that doesn't apply to every user's trading situation (i.e., tips on trading options may not be useful to equity traders, and vice versa).
- A link to **www.tradewex.com** (the WEX website).
- **What's new?**—A link to the current WTP Release Notes (also selectable from the **Help** menu in the WTP Toolbar).
- **More Tips**—A link to the **Help page** that lists all created tips to date.
- **Close**—Click on **"close"** to close the splash screen.

A closed splash screen can be relaunched by selecting **Splash Screen** from the Help menu in the WTP Toolbar.

Total Cash Now Displayed in Order Summary Window



A new field **Total Cash** has been added to the Order Summary window.

Total Cash is defined as the sum of the executed values with respect to Buy and Sell. The sum can refer to a single order, or multiple-selected orders in the Order Grid.

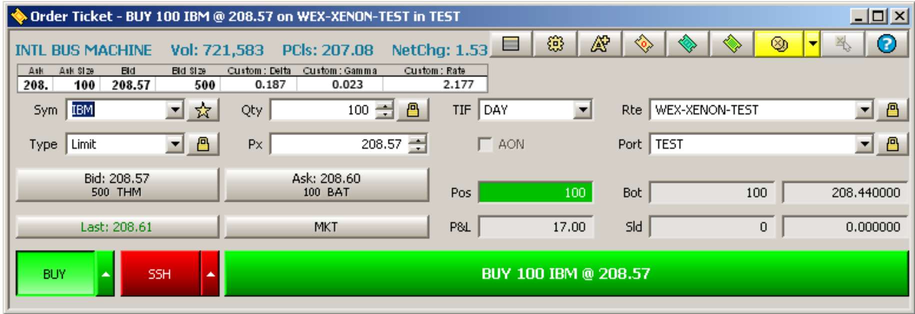
The formula for computing Total Cash is as follows:

Total Cash = Price x Quantity x {-1 if BUY, +1 if SELL} x Lot Size

To launch the Order Summary window, select one or more filled orders in the Order Grid. Right-click and select **Show Order Summary** (or select **Show Order Summary** from the **Action** menu).

Custom Solace Values Can Now be Viewed in the Order Ticket

Quote Grid Control



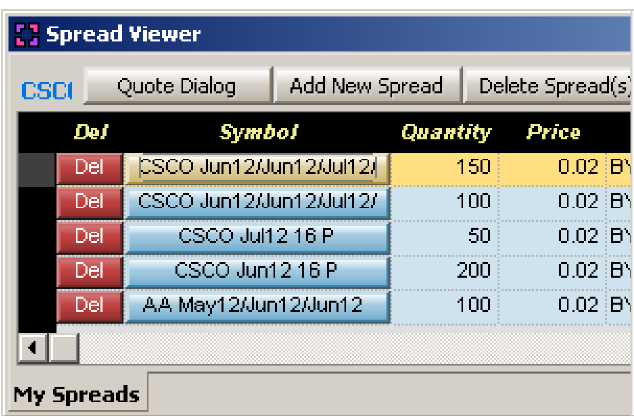
A quote grid that displays Solace and other data can be added to the **Order Ticket** (in Equity or Options mode) via the **Ticket Layout** command. The grid inherits its data from the standard **Quote Grid** as well as its functionality:

- The symbol in the Order Ticket is reflected in the grid.
- Double-clicking within the grid is reflected in the Order Ticket (for example, double-clicking the *Ask* value populates the Order Ticket with the appropriate price).

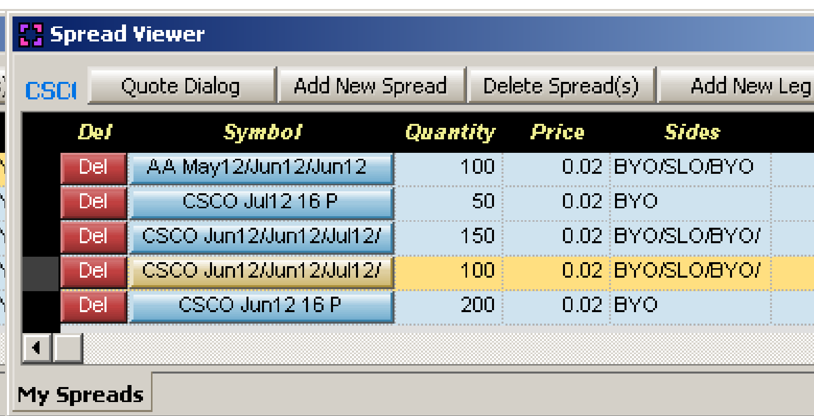
Once in place, the grid can have its rows and columns customized and formatted with regard to content, colors and styles. See **Columns and Formatting** for more details on customizing a grid display.

The Quote Grid control is found in Edit Ticket Layout mode under **Common-->Quote Grid**.

Spread Viewer: Drag and Drop to Reposition Spreads and Legs

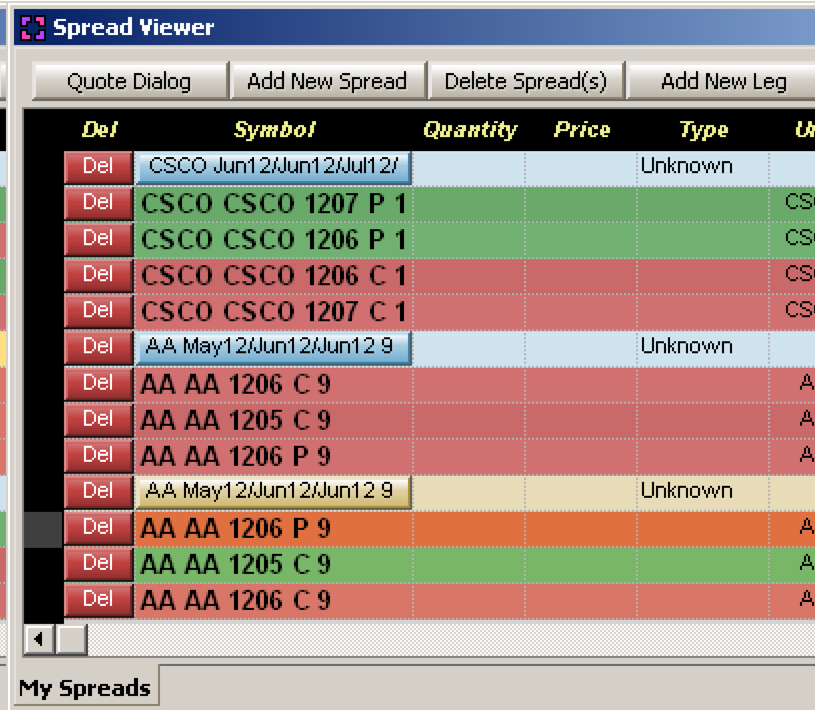


Original display of spreads



Result after changing the row display in the Spread Viewer grid

Spread and Legs original display order



Result after changing the leg order display

Spreads and legs within a spread can be moved within the **Spread Viewer** grid.

Change the display order of spreads:

1. Select the row containing the spread to be moved.

2. A thin red line will appear as the left mouse button is pressed. Drag the row to its desired location (taking notice of the red line) and release the mouse.

Change the display order of legs within a spread:

1. Select the leg row to be moved.

2. Drag the leg to its desired location within the spread and release the mouse. Legs will be relocated to any row *above* the red line.

Multiple legs can be selected within a spread and moved as a unit. Hold down the **ctrl** key to select multiple rows.

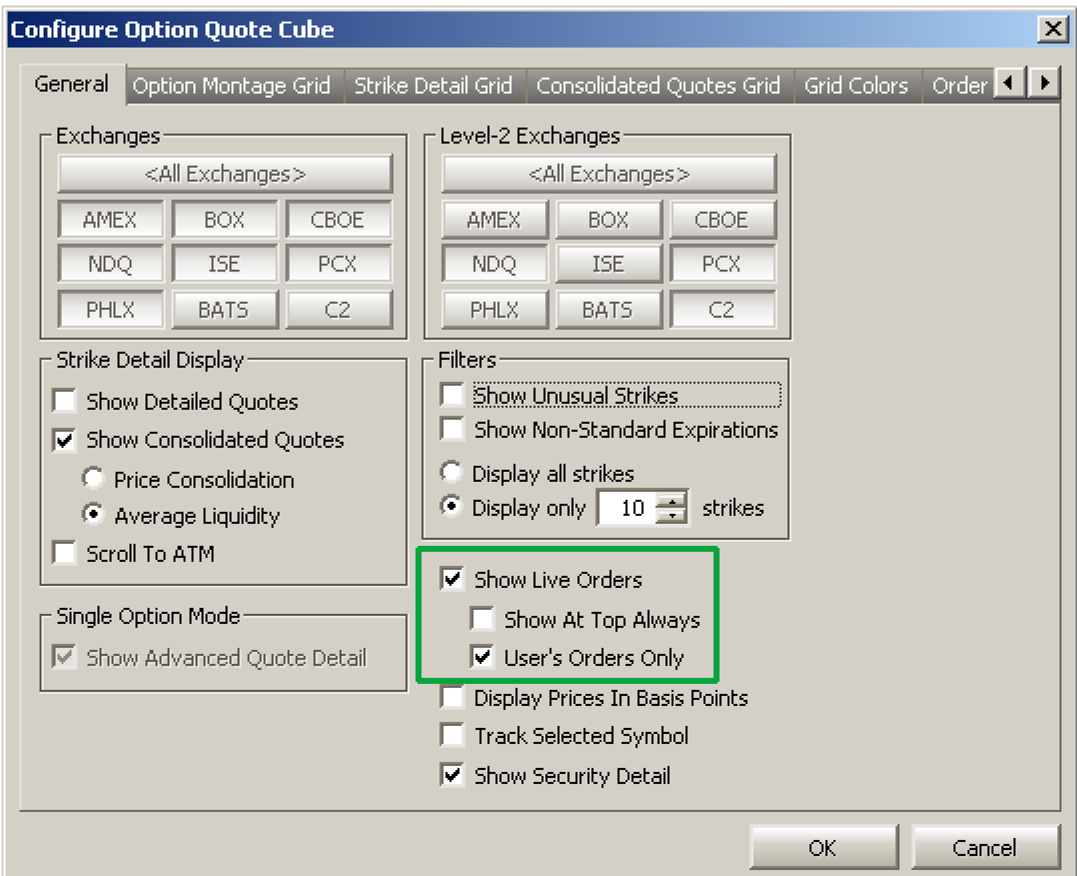
Note: Spreads and the legs within spreads cannot be moved into *other* spreads.

13.3.24.0

April, 2012

- **Show Live Orders for the Current User**
- **Position Fields Added to Spread Agent**
- **Locate ID Field Added to Spread Builder**

Show Live Orders for the Current User



User's Orders Only is a new configuration option for displaying a user's live orders exclusively. When selected, all orders not generated by the current user will be hidden.

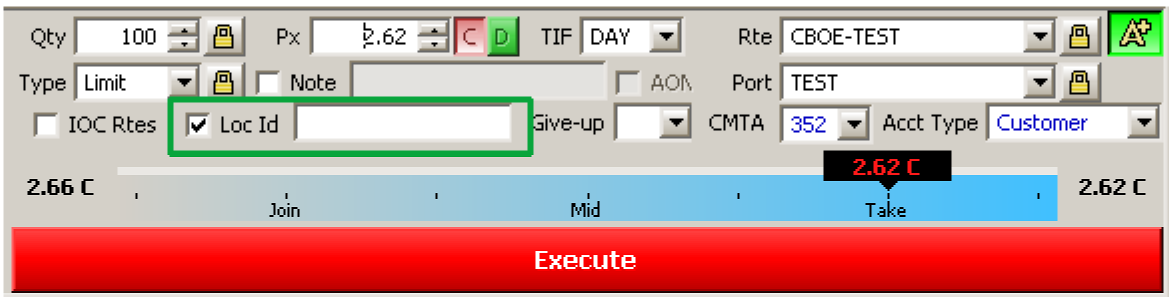
This option is selected from the configuration screen in **Option Quote Cube**, **Equity Quote Cube**, **Spread Book**, and **Spread Builder**.

Position Fields Added to Spread Agent

Spread Agent can now display positions on both securities being worked.

Position refers to the accumulated position by firm, account, or portfolio. The default position mode is set in **Global Configuration**.

Locate ID Field Added to Spread Builder



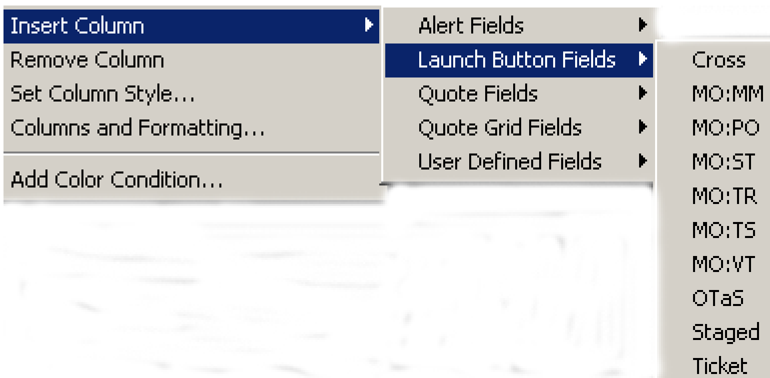
The Locate ID field (**Loc Id**) has been added to **Spread Builder**. Access this field by placing the Spread Builder ticket in advanced mode.

13.3.23.0

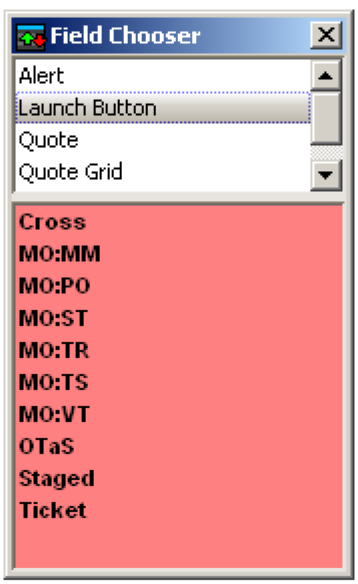
April, 2012

- [An Improved Method for Inserting Columns Into Grids: Field Chooser]
- [Position Now Displayed in Vol Trader]
- [New Install Update Message]

An Improved Method for Inserting Columns Into Grids: Field Chooser



Original method for inserting a single column at a time into grids



Field Chooser, an improved method for inserting one or more columns into grids

With **Field Chooser**, single or multiple columns can be inserted in all WTP Grid apps (i.e., Quote Grid, Order Grid, etc.) in a manner that is relatively easy.

The benefit of using Field Chooser is that multiple columns can be added in a single pass, whereas only a single column at a time could be added via the **Insert Column-->Field Name-->Column name** command.

Launch Field Chooser

In a WTP Grid app, right-click on any column head and select **Field Chooser**. The Field Chooser selection window opens.

Select Columns with Field Chooser

In the top portion of the Field Chooser window (white background) select the **field type** (for example, Alert, Launch Button, etc.) Note that field types are specific to each grid.

Once a field type has been selected, the columns associated with that field type are displayed in the bottom portion of Field Chooser (the background color in Field Chooser reflects the background color of the grid).

To place a single column to the left of the selected column, double-click on a column name.

To place a single column anywhere in the grid, single-click a column name and drag the column to the desired location in the grid and release.

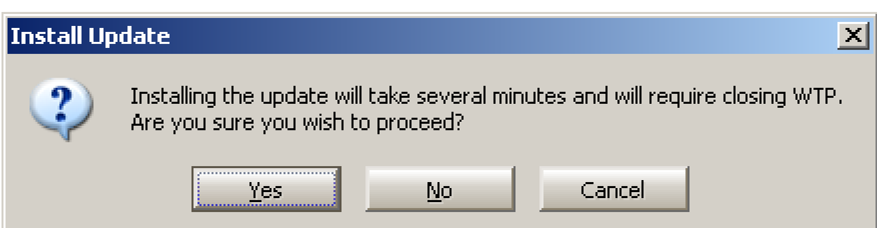
To select and place multiple columns anywhere in the grid in a single pass, hold down the **Ctrl** key while selecting the columns. Drag the selected columns to the desired location in the grid and release.

When a column is placed in a grid it is removed from selection in Field Chooser. When a column in a grid is removed, it is available for selection in Field Chooser.

Position Now Displayed in Vol Trader

Each security's position is now displayed in **Vol Trader**. The value (in the Position field) refers to either the firm, account, or portfolio position based on the default position mode setting in Global Configuration.

New Install Update Message



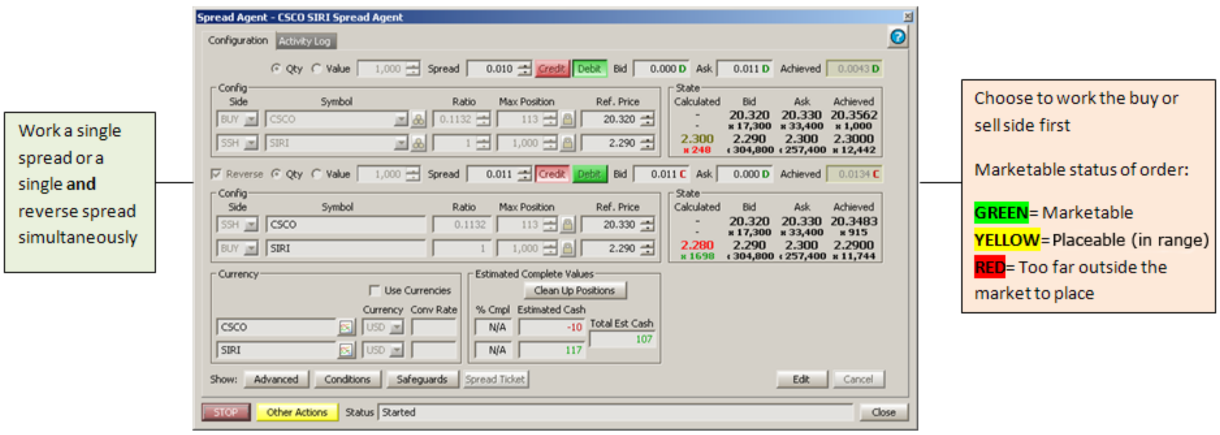
A new Install Update message displays when the update icon button is selected. To complete the update, select **Yes**.

13.3.22.0

March, 2012

- [New Managed Order: Spread Agent]()
- [Grid Improvement: Click Fade Control Fades All Rows when Column Selected]()

New Managed Order: Spread Agent

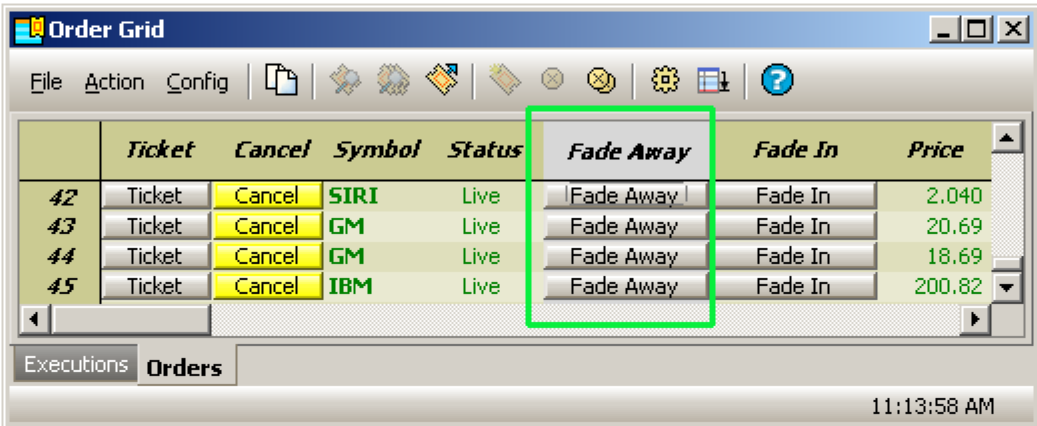


With **Spread Agent** a single spread and reverse spread can be traded simultaneously. The reverse spread is achieved by trading the same two securities as the initial spread but with opposing side types (for example BUY/SSH vs. SSH/BUY).

Spread Agent also employs a feature known as a **Slip Adjustment**. A slip occurs in Spread Agent when it attempts to achieve a spread, yet fills a portion of the order at a worse than configured price. Spread Agent will attempt to rectify this situation by adding a calculated amount that's spread over the entire order (a "**Slip Adjustment"**), with the result of a completed order at the desired price.

Learn all about Spread Agent [here]().

Grid Improvement: Click Fade Control Fades All Rows when Column Selected



Fade Away column selected.

Formerly, if a column containing either the **Fade Away** or **Fade In** buttons was selected, and a single button was pressed, a single live order would be affected.

Now, if **a column is selected** containing a Fade Away or Fade In button and a single button is pressed, **all live orders in that column** will either fade away or fade in to the market (depending on the selection and whether the order is a buy or sell).

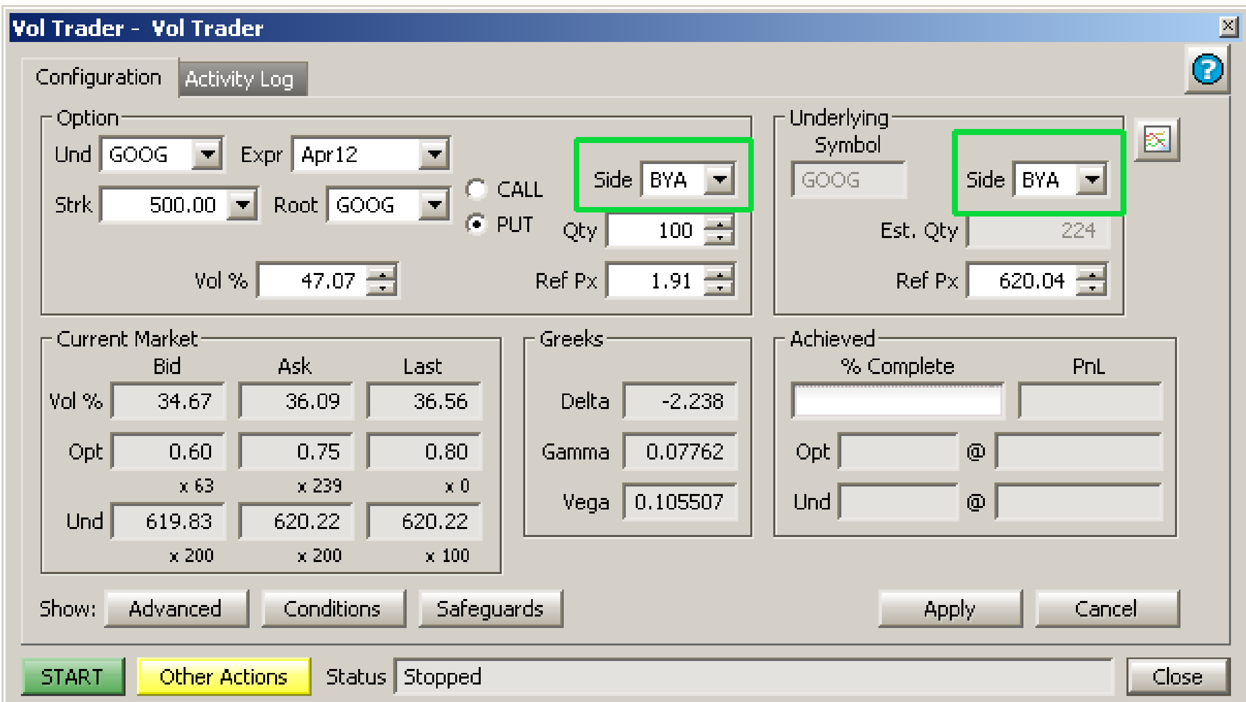
These buttons can still be used on individual orders by not selecting the entire column.

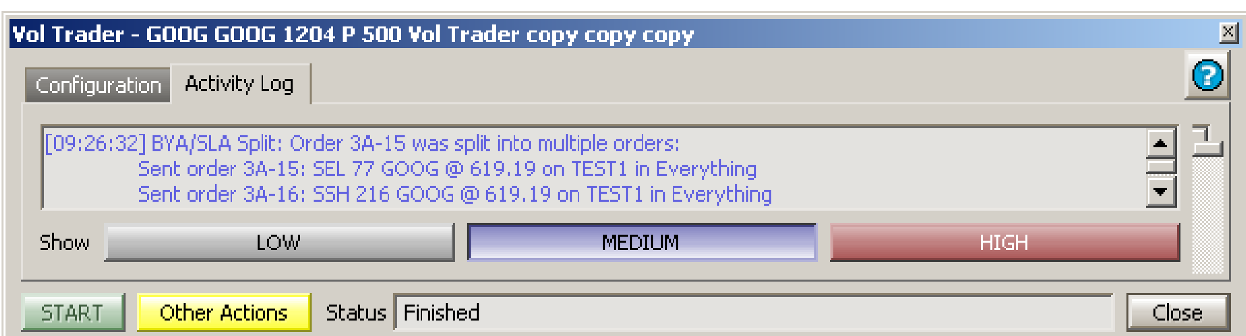
13.3.21.0

March, 2012

- BYA/SLA Auto Split Orders Available in Vol Trader
- New Display: Average Price Per Leg for Spreads
- Trade Limit Warning Percentage in Global Configuration
- GTC (Good Till Canceled) Time-In-Force Now Permission Based

BYA/SLA Auto Split Orders Available in Vol Trader



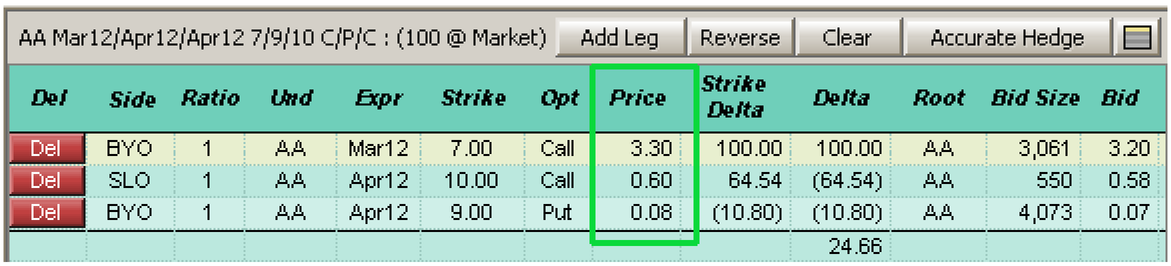


Activity Log displays when BYA/SLA split occurred

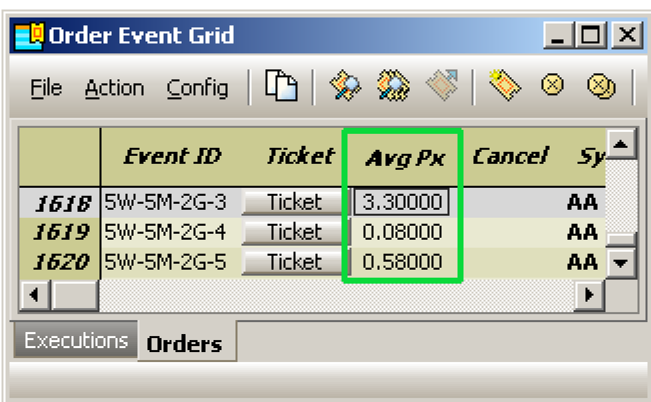
The Global Configuration optional order command **[Auto-Split Outright BYA/SLA Orders]** will now be applied to **Vol Trader** orders.

If **Auto-Split Outright BYA/SLA Orders** is enabled, a Vol Trader order crossing a flat position will be split into two orders and a **"BYA/SLA Split..."** message will be displayed in the Vol Trader Activity Log.

New Display: Average Price Per Leg for Spreads



Original Order

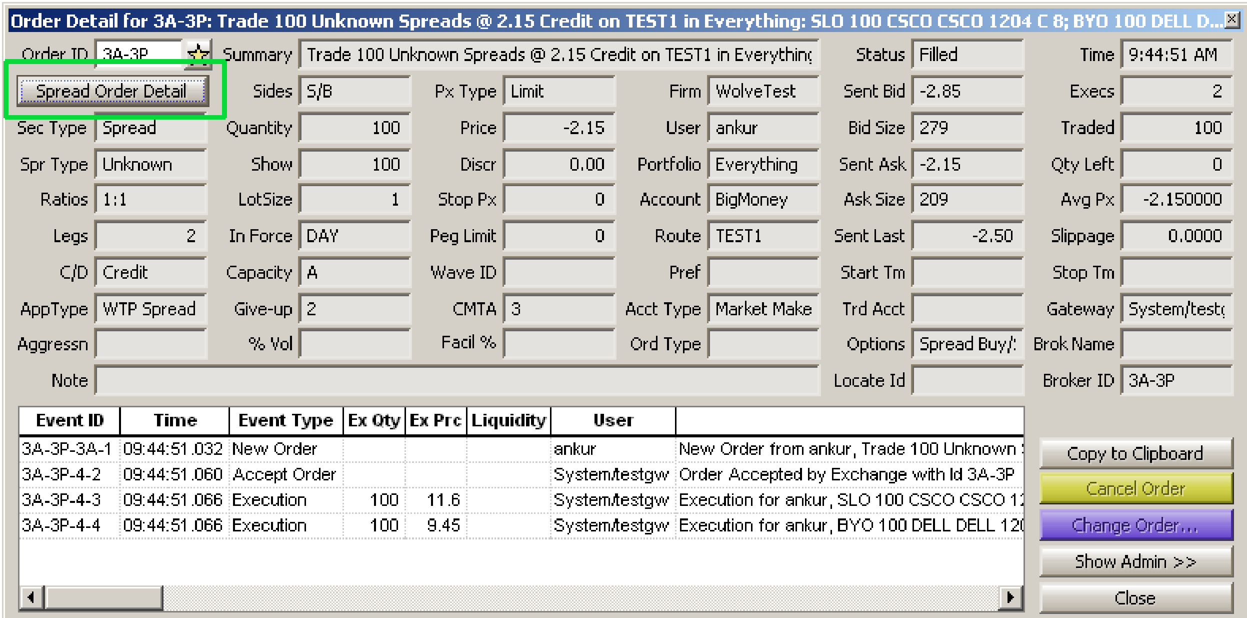


Average Price of Filled Order

The **Average Price Per Leg** of filled multi-leg orders originally placed in **Spread Ticket** or **Spread Builder** is now available for display in the **Order Grid.**

To add the **Avg Px** column right-click on any column head in the Order Grid and select **Insert Column-->Order Fields-->Avg Px**.

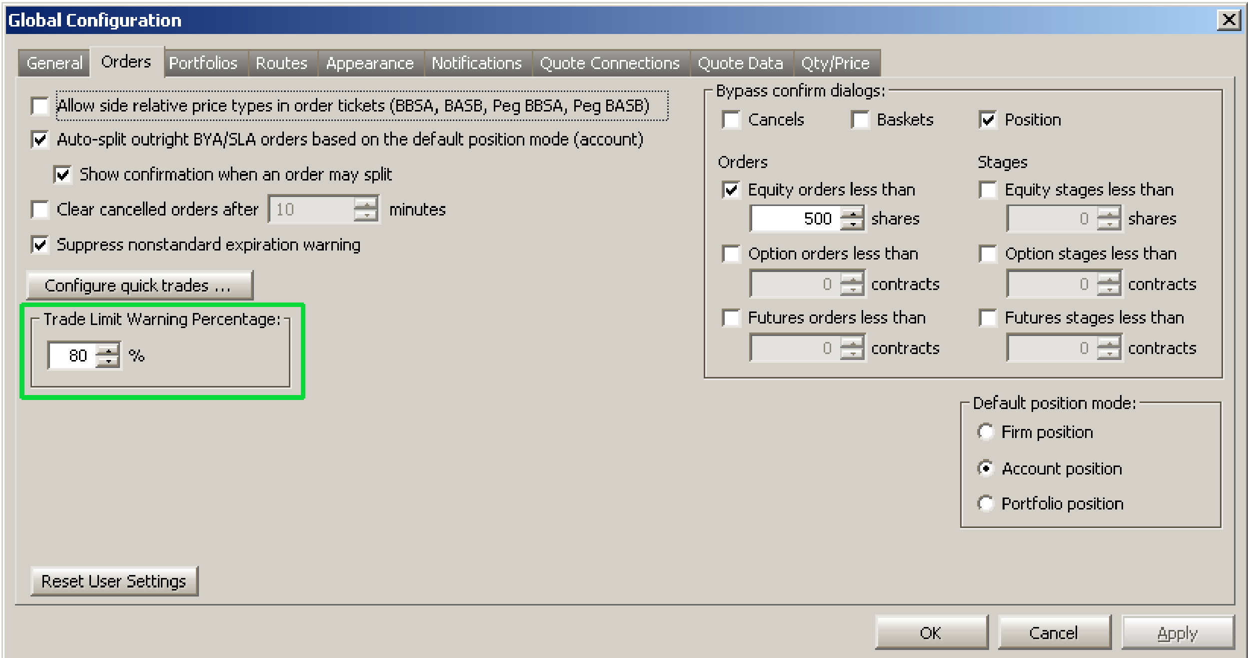
The **Avg Px** is also displayed on the **Spread Order Leg Details** table. To view this table, double-clock on a spread order in the Order Grid, then select **Spread Order Detail:**



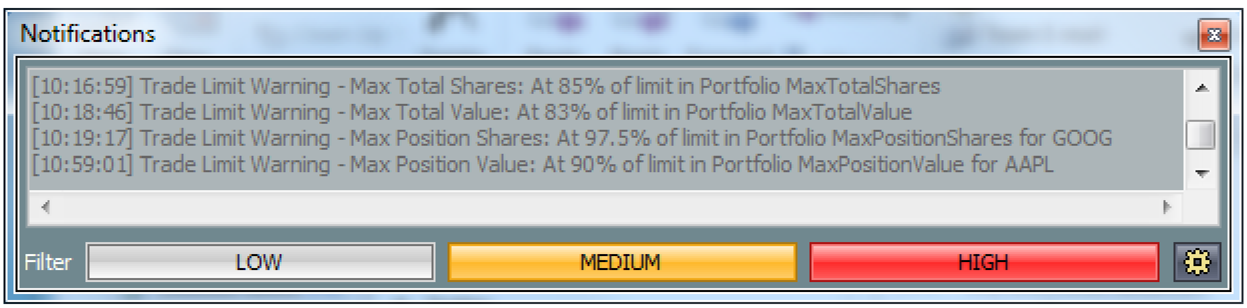
*The Order Detail Window. Press **Spread Order Detail** to view the Spread Order Leg Details:*

Spread Order Leg Details table now with Avg Px per leg

Trade Limit Warning Percentage in Global Configuration



Value set in Global Configuration



Sample of some Trade Limit warnings

The percentage value set in the **Trade Limit Warning Percentage** field indicates the point at which a warning message will appear. This value can refer to a number of maximum limits including **Max Total Share**, **Max Total Value**, **Max Position Shares**, **Max Position Value**. The message informs you that you are approaching a defined limit.

Example of when a warning will occur: You have the permission to trade a maximum of 5000 shares per day. If you set the Trade Limit Warning Percentage to 80%, a warning message will appear once you've traded 4000 shares (80% of 5000 = 4000).

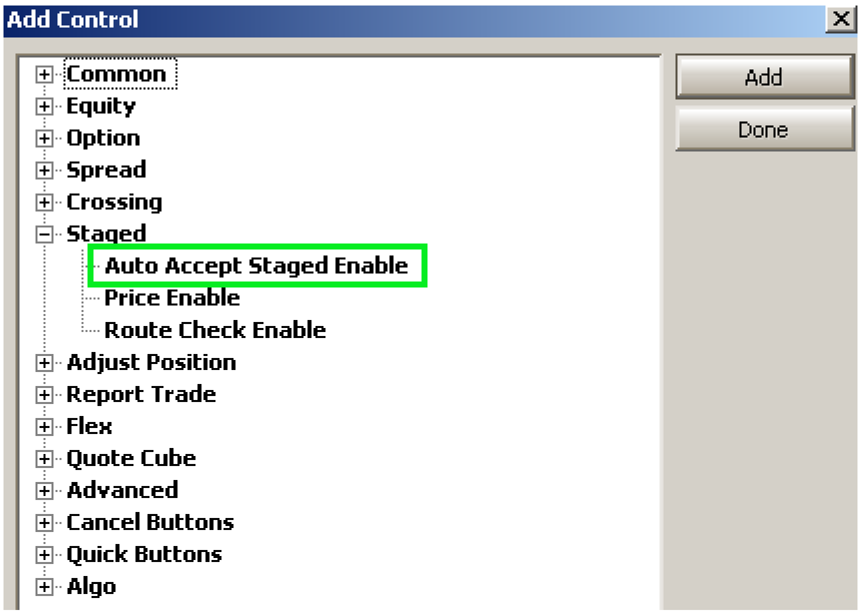
GTC (Good Till Canceled) Time-In-Force Now Permission Based

The time-in-force selection **GTC** (**G**ood **T**ill **C**anceled) is now available only by permission. Contact **WEX Support** to have this permission enabled.

13.3.20.0

March, 2012

- **Auto-Accept Staged Orders Now Configurable**



In the past, the creation of a staged order was automatically accepted in WTP. If it is desirable, the automatic acceptance of a staged order can be configurable.

The control **Auto Accept Staged Enable** adds a check box to the Staged Order Ticket. See the **Ticket Editor** Help page for instructions on adding a control.

If the **Auto Accept Staged Enable** is unchecked when a staged order is created, the status of the staged order will display as **Pending** in the Order Grid.

To change the status from **Pending** to **Live** the **Stage: Accept column** must exist in the Order Grid. In the row with the Pending order, click the **Stage:Accept** button and click **OK** in the confirmation window.

Note: If the **Auto Accept Staged Enable** check box has not been placed on the Staged Order Ticket, all staged orders will be accepted automatically.

13.3.19.0

February, 2012

- **"Attach to Stage" Command Allows Filled Orders to be Attached to Staged Orders**

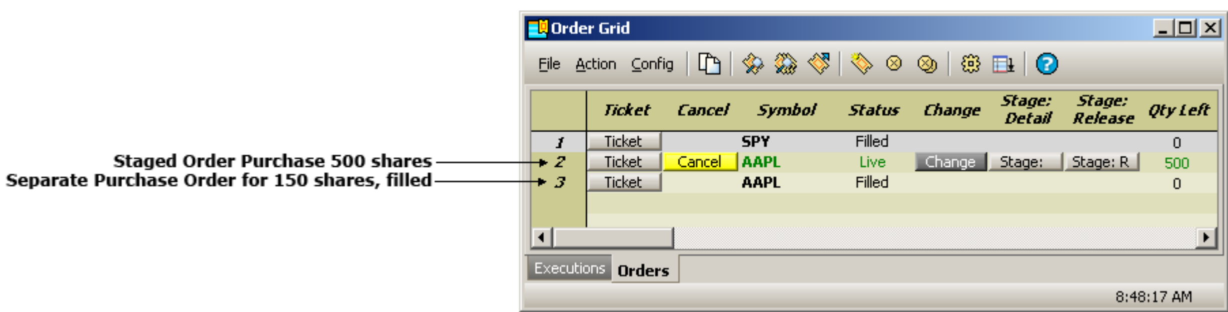
A staged order is "a queued order representing an intention to trade shares, contracts, or spread by the end of the trading day." During the course of the day, shares may be purchased or sold (depending on the staged order) via the **Stage: Release** command in the **Order Grid**, reducing the quantity left in the staged order.

For example: A staged order is created to buy 500 shares of AAPL. The staged order is seen in the Order Grid. During the day, **Stage:Release** is selected which opens an Order Ticket. An order is placed to buy 150 shares of AAPL. When the order is filled, the quantity remaining in the staged order will be reduced to 350 shares.

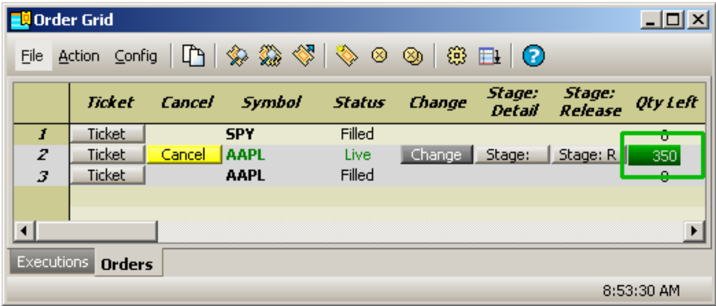
What if, during that same day, an order is placed for 100 shares of AAPL using the standard Order Ticket and not the Stage:Release ticket? The remaining quantity of the original staged order will not be affected. If the intent of the order was to reduce the remaining quantity of the staged order, but the standard Order Ticket was inadvertently employed, the filled order can now be defined as being **attached** to the original staged order, reducing the staged order's quantity.

A new command **"Attach to Stage"** has been created for this purpose.

In the first image below, a Staged Order (purchase) is placed for 500 shares. Another order to purchase 150 shares is filled, but does not reduce the quantity of the Staged Order. In the second image, the filled order of 150 shares is attached to the Staged Order, reducing the Staged Order quantity to 350 shares.



Staged Order shows a quantity of 500 shares left, disregarding the filled order below it.



Staged Order now shows a quantity of 350 shares left after attaching the filled order to it.

To use the **Attach to Stage** command:

1. An **unfilled** staged order must exist.

2. A filled order with the **same symbol AND same portfolio** as the staged order must exist.

3. In the Order Grid select the staged order row and the filled order row using the **ctrl** key.

4. Right-click on the Order Grid (or click on the **Action** menu) and select **Attach to Stage.**

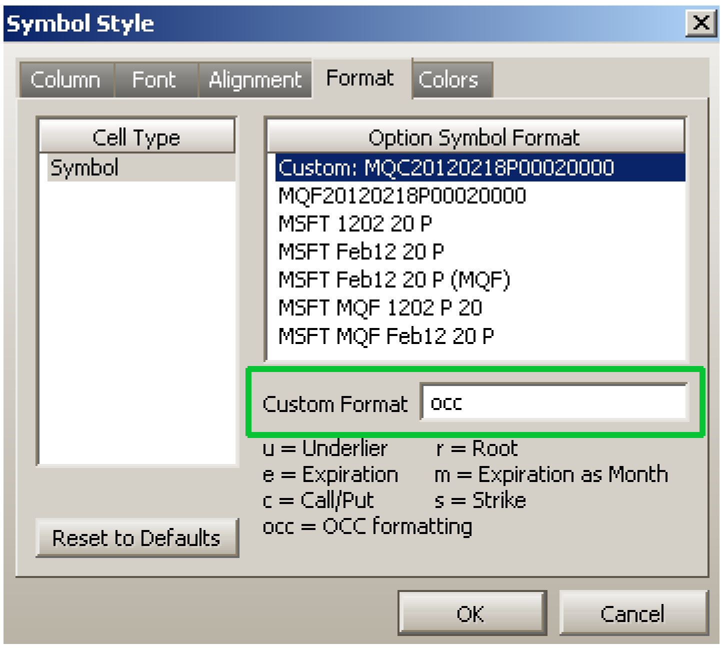
Note 1: The quantity of the filled order cannot be greater than the remaining quantity of the staged order.

Note 2: An unfilled order cannot be attached to a staged order.

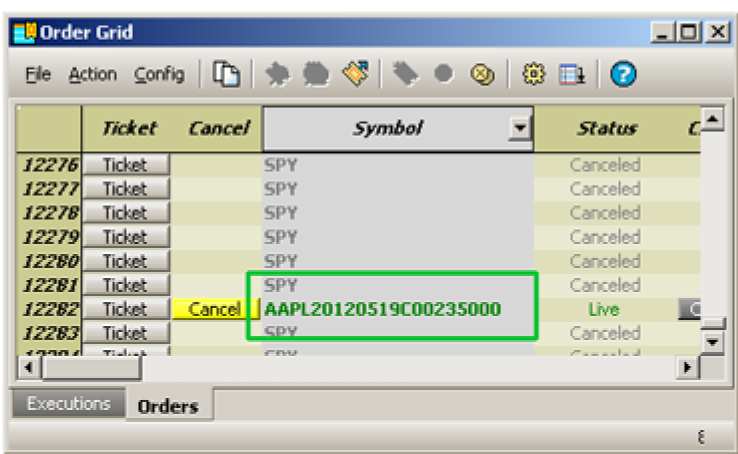
13.3.18.0

February, 2012

- **OCC Symbol Formatting Now Available in Grids**



Define the OCC format for the Symbol column



OCC Formatting for Options order

The OCC (**O**ptions **C**learing **C**orp), the world's largest clearing organization, has defined a new method for displaying ticker symbols for option orders.

This new code is displayed in the order of four key components:

- The Underlying Symbol
- The Expiration Date
- The Option Type (Put or Call)
- The Strike Price

In the example above, the security is **AAPL**, the expiration date is **May (19) 2012**, the option type is **Call**, and the strike price is **$235.00.** This translates to the OCC code as **AAPL20120519C00235000**.

The OCC code always shows **eight decimal values**. Any price that doesn't use all eight decimal values will be padded with zeroes. For example:

25.00 = **00025000**

9.50 = **00009500**

12345.678 = **12345678**

The OCC code formatting is now available in all WTP grids. To set OCC formatting:

1. Right-click on the **Symbol** column header in a grid and select **Set Column Style**.

2. Move to the **Format** tab.

3. In the **Custom Format** text input field enter **occ.**

4. Click **OK.**

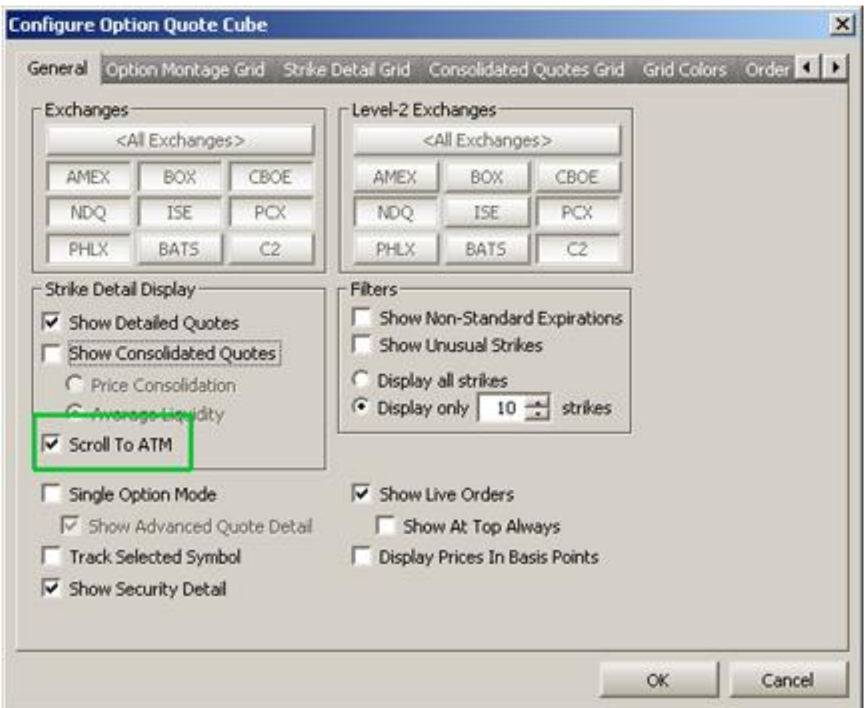
If it is desirable to always use OCC formatting, you may save your grid as a default template.

13.3.17.0

February, 2012

- New Feature in Option Quote Cube: Scroll To ATM
- Add Control Feature in Ticket Designer Updated

New Feature in Option Quote Cube: Scroll To ATM



When the price of an underlying security is equal to the strike price, the option is **ATM (A**t **T**he **M**oney)**.**

Check the **Show ATM** box to have the Option Montage Grid to scroll to the **ATM** quote.

Add Control Feature in Ticket Designer Updated

Previously, the **Add Control** feature in **Ticket Editor** listed the controls in alphabetical order.

Now, The Add Control window lists controls by category.

Double-click on a control category (or click on the **+** symbol) to display the controls for the category.

13.3.16.0

January, 2012

- **Alert User if their Login is to Expire Soon**
- **New Custom Vol Data Fields**

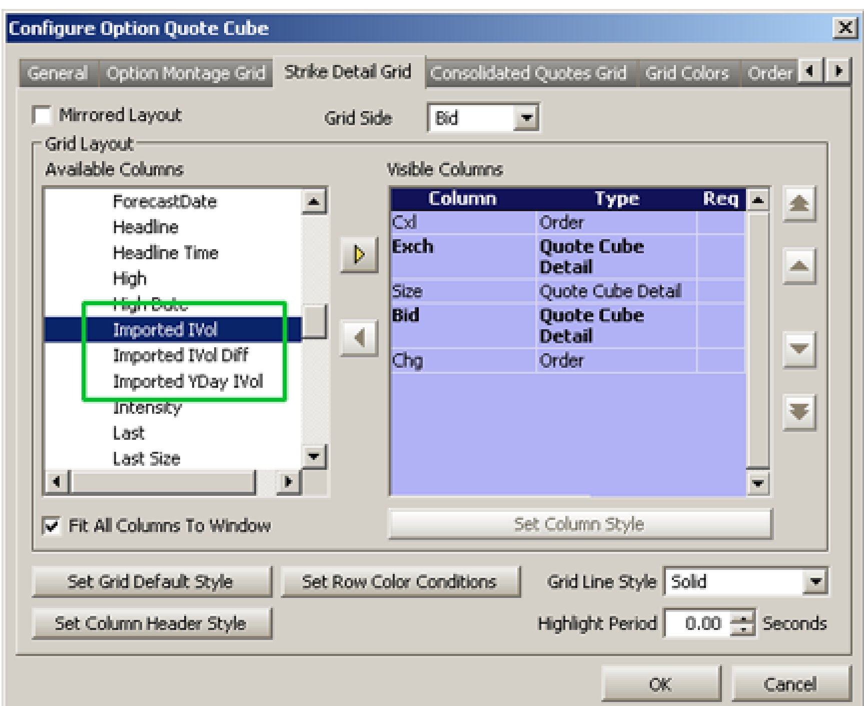
Alert User if their Login is to Expire Soon

A new WTP message (to be displayed in the WEX connection window) has been created alerting a user that their account will expire soon Typically, this message will appear five days prior to the expiration.

The expiration feature is managed by the WEX Administrator.

Note that **no expiration date** can be configured for WTP users if desired by the Administrator.

New Custom Vol Data Fields



Imported IVol (**I**mplied **Vol**atility) data can be displayed in the **Option Quote Cube**.

Three new columns are available for selection in the configuration screen under the **Strike Detail Grid** tab, Quote Fields:

- **Imported IVol**
- **Imported IVol Diff** (Difference between Imported and Yesterday's IVol)
- **Imported YDay Ivol** (Yesterday's IVol)

Note: The data will be displayed whenever valid data is supplied. Otherwise, the columns will not display.

13.3.15.0

January, 2012

- New Time-in-force selection: GTC
- New Increment Values for Canadian Options
- Solace Support Added to Global Configuration
- "Order Grid" Quick-Start Video in Help

New Time-in-force selection: GTC

A new time-in-force selection **GTC (Good Till Canceled)** is now available on WTP order tickets.

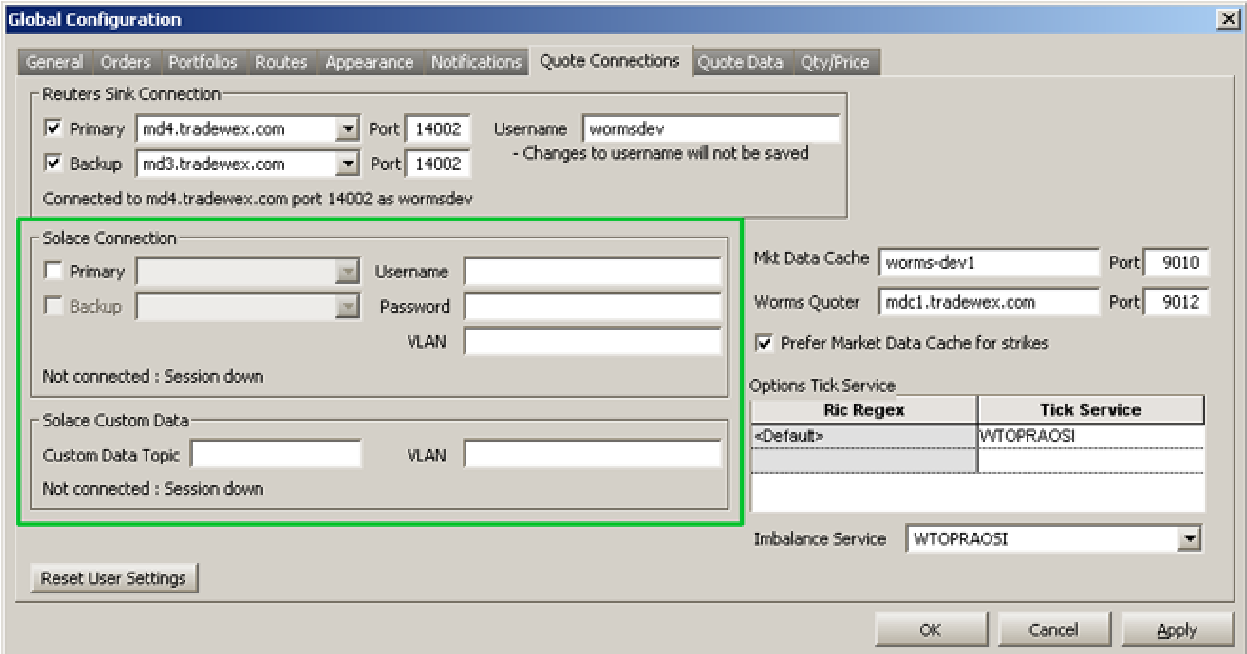
A GTC order is one to buy or sell that remains in effect until it is either executed or canceled, and is sometimes called an "open order."

New Increment Values for Canadian Options

New price increments for Canadian option orders has been developed. The increments are:

- **Less than $.10,** one-cent increments
- **Equal or more than $.10.** five-cent increments

Solace Support Added to Global Configuration



Solace is a device used in distributing high-speed real-time market data (similar to Reuters). Support for Solace connections has been added to **Global Configuration** under the **Quote Connections** tab.

The **Solace Custom Data** field is designed for users who wish to publish their data into Solace. The settings tell WTP where to find that custom data.

All Solace values are set up by WEX support during WTP installation.

"Order Grid" Quick-Start Video in Help

A new quick-start video **Order Grid** has been added to the online version of WTP Help.

13.3.14.0

December, 2011

- **No New WTP Features in this Release**

There are no new features in release 13.3.14.0.

13.3.13.0

December, 2011

- **No New WTP Features in this Release**

There are no new WTP features in release 13.3.13.0.

13.3.12.0

December, 2011

- **Lock WTP After a Period of Inactivity**
- **Changes to Online Help**

Lock WTP After a Period of Inactivity

WTP has the ability to lock out a user after a defined period of inactivity. If the defined inactivity period is reached, the user will be required to log in with username and password. By default, **Lock WTP** is disabled.

Note: Lock WTP is **not** a user-defined feature. Contact **WEX Support** to enable **Lock WTP** and define the inactivity period.

Changes to Online Help

The following changes have been implemented in **Online Help**:

1. These links were removed from the Help landing page and replaced by quick launch buttons:

   About
   Contact
   New In This Release
   FAQ
   Release Notes Archive
   WTP Quick Start Videos
   PDF version
   Home Page

2. The **Introduction** link in the Table of Contents now links to the page **What is WTP.** Formerly, it linked the user to the main Help page. The **Home Page** button has replaced this link.

3. The font and background color of the Table of Contents pane has changed.

4. The **Search** feature has improved. The results obtained from a search are now ranked in order based on the number of times the search term appears in a particular Help page.

5. Global Change: Copyright notice changed to **© 2012 Wolverine Execution Services, LLC**. WTP Help logo also changed to "Wolverine Execution Services".

13.3.11.0

November, 2011

- No new features in this release of WTP
- Quick Start Videos Added to Help

Quick Start Videos Added to Help

An ongoing project, Quick Start Videos, is now available in WTP Help.

As of release 13.3.11.0 there are two videos: Order Ticket and Basket Trader, and new videos will be added at a rate of approximately two per month.

The goal of these one-to-three-minute narrated videos is to introduce the new WTP user to the basics of a particular applet without delving into advanced details or complicated topics.

The videos were designed to run directly in the same browser window without the need to open a third party application.

For more advanced topics, the user is still directed to these Help pages.

Note: Quick Start Videos are available only in the **online** version of Help, not in this PDF version.

13.3.10.0

November, 2011

- No new features in this release of WTP
- New question added to the FAQ page

New question added to the FAQ page

The following Basket Trader question was added to the FAQ page:

Can I have Buy and Sell Orders in the Same Basket?

13.3.9.0

November, 2011

- No new features in this release of WTP
- Help pages improvements

Help pages improvements

The following improvements were made to WTP Help:

- New Help Page: **Volatility Chart**.
- Help pages for all WTP applets are now available for selection on the main Help page.
- Two Help pages renamed to match their WTP names:

  Sector Viewer is now **Option Sector Viewer**.

  Imbalance Viewer is now **Equity Imbalance Viewer**.
- Release Notes main page renamed to **Release Notes Archive**.

  All release notes dating back to WTP version 13.2.80.0 are now available.

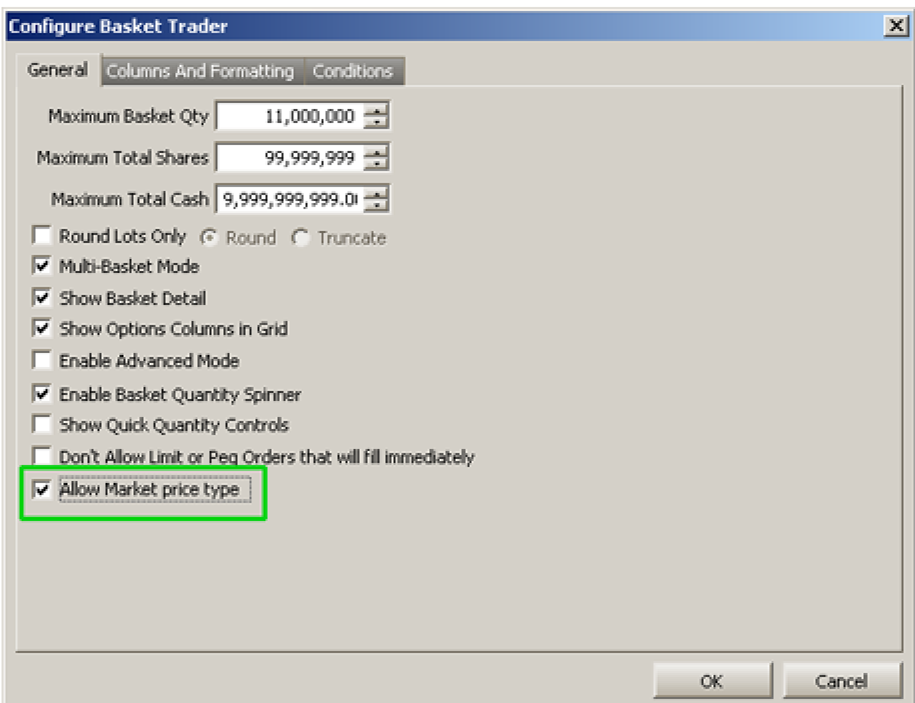
  Note: This change is for the online version of WTP Help, not this PDF version.

13.3.8.0

November, 2011

- Allow Market Price Type now a Configuration Option in Basket Trader and Spread Basket
- Release Notes Main Page added to WTP Help
- WTP Applet Definitions Linked to WTP Applets in Help Table of Contents

Allow Market Price Type now a Configuration Option in Basket Trader and Spread Basket



In the past, some users have used the override sell type "Market" for basket orders in **Basket Trader** and **Spread Basket**, only to realize that not all the orders in the basket should have been filled at market.

A new configuration option **Allow Market price type** must be checked if the Market sell type override is to be available in Basket Trader and Spread Basket.

If **Allow Market price type** is unchecked, the Market sell type will be unavailable for selection.

Release Notes Main Page added to WTP Help

Note: This feature is only for on-line WTP Help, not the PDF version.

A new Release Notes main page has been added to WTP Help.

Release notes from WTP version 13.2.80.0 will be available for selection on this page. WTP releases in which there were no new features will not be available from the Release Notes page.

A link to the Release Notes main page has been added to the WTP Help main page.

The links to Release Notes that resided on all Help pages have been removed.

WTP Applet Definitions Linked to WTP Applets in Help Table of Contents

Note: This feature is only for on-line WTP Help, not the PDF version.

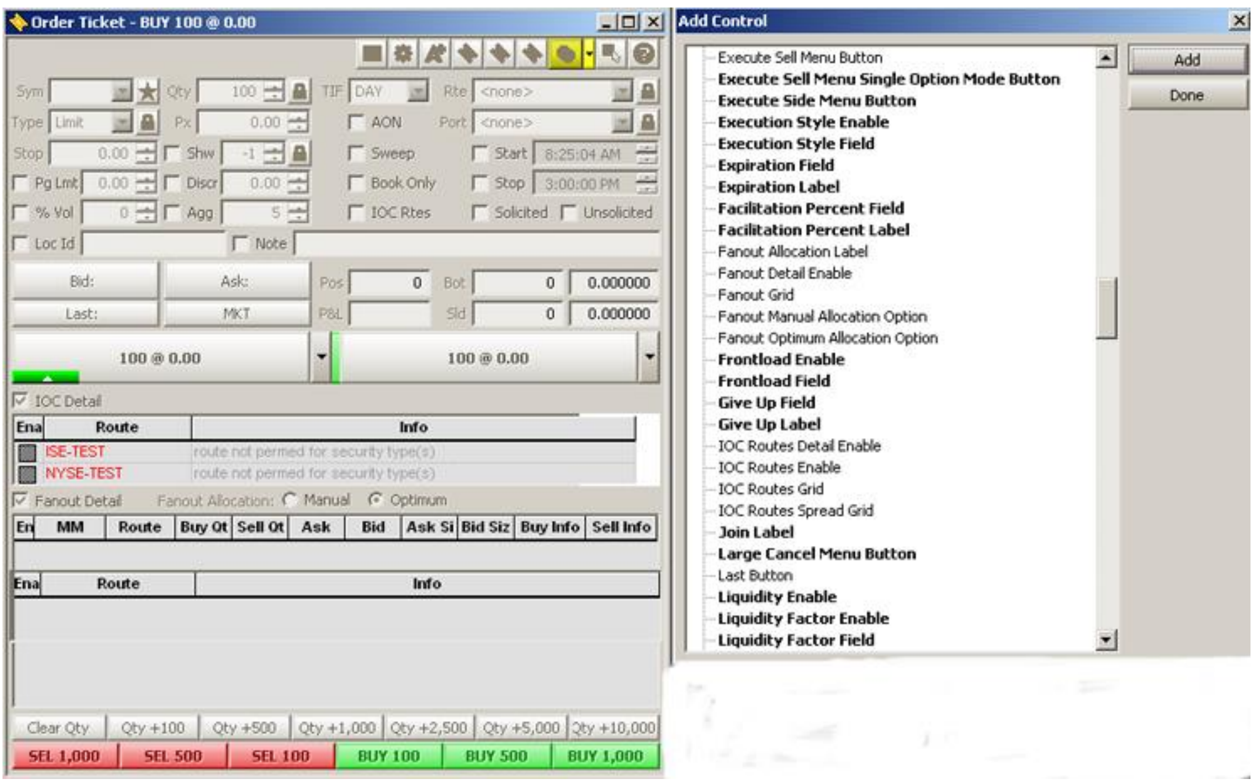
When selecting WTP Applets from the Help pages table of contents (in the left pane), the WTP Applet Definitions page will be displayed.

13.3.7.0

October, 2011

- New WTP Feature: Ticket Editor
- New Help Pages: Icons in WTP, WTP Applet Definitions

New WTP Feature: Ticket Editor



The **Ticket Editor** is a new function in which all WTP order tickets can be customized. With the Ticket Editor you can:

- Add or delete fields
- Rename and resize fields
- Move and align fields
- Save a ticket layouts as a default

New Help Pages: Icons in WTP, WTP Applet Definitions

Two tables that were originally in the FAQ page have been moved to Basic Concepts:

Icons in WTP

WTP Applet Definitions

13.3.6.0

October, 2011

- No New WTP Features in this Release
- WTP Icon Table Added to FAQ

There are no new features in WTP version 13.3.6.0.

WTP Icon Table Added to FAQ

A table listing all WTP icons with links to their usage has been added to the **FAQ**.

13.3.5.0

October, 2011

- **Algo Fields Now Available in Order Tickets**

Specialized algo fields are now available for the following WTP applets:

Order Ticket
Spread Tickets
Spread Basket Trader

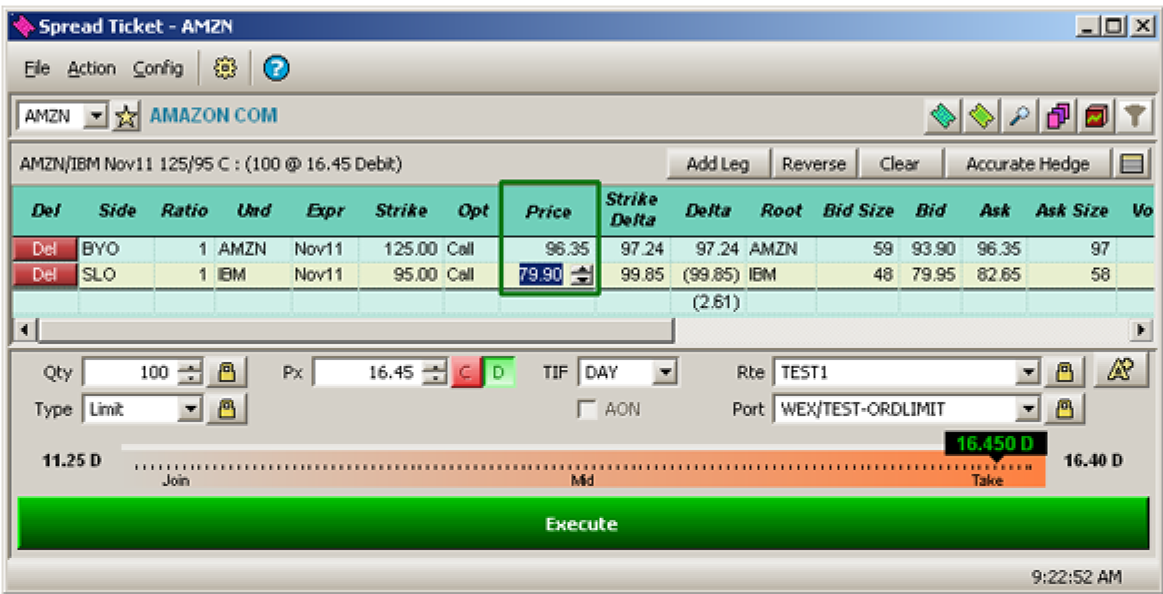
Route permissions are required in order to access specific algo fields. Also, a number of exchanges do not support them.

Contact **WEX Support** for information on how to configure algo fields.

13.3.4.0

October, 2011

Price-Per-Leg Now Configurable in Spread Ticket



A new column "Price" has been added to the **Spread Ticket** standalone app and the Spread Ticket in Spread Builder.

The price-per-leg can now be individually adjusted (its default value will be the mid value). The changing value in the Price column will be reflected in the Px field of the ticket.

Note: This column is displayed by default (there is no option to add it or remove it). If the Price column cannot be seen, its column width may have been reduced to the point that the column is hidden. In the System Default template for the ticket, the Price column is adjacent to the required Opt column.

New Account Type: Non-TPH Affiliate

A new account type **Non-TPH Affiliate** (Non-**T**rading **P**ermit **H**older Affiliate) is now available for selection in the advanced mode of the Order Ticket.

A Non-Trading Permit Holder Affiliate of the Chicago Board Options Exchange is a 100% wholly-owned affiliate or subsidiary of a Clearing Trading Permit Holder that is a) registered as a United States or foreign broker-dealer and b) is not itself a CBOE Trading Permit Holder.

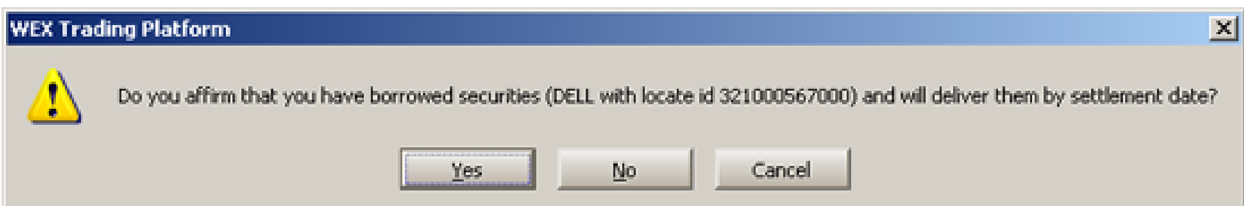
13.3.3.0

September, 2011

- **Locate ID or Clearing Firm Information Added to Short Sale Affirmation Message**

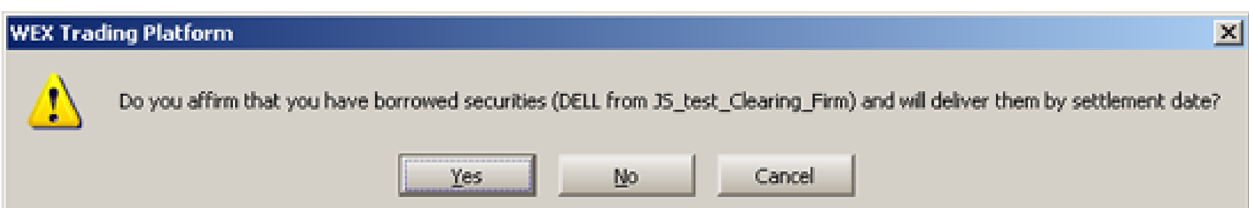
When issuing a short sale, an updated affirmation message will appear prior to a final confirmation message.

If a **locate ID** is present in the Order Ticket (or any of the tickets in the applets listed at the bottom), a message featuring the security name and locate id displays:



Affirmation message with locate ID information

If a locate ID is not present in the Order Ticket (or any of the tickets in the applets listed at the bottom), a message featuring the security name and clearing firm name displays:



Affirmation message with clearing firm information

The applets which are affected by this improvement are:

Order Ticket

Equity Crossing Ticket

Spread Ticket

Quick Ticket (in Global Configuration/Orders/Configure Quick Trades)

Equity Quote Cube

Basket Trader

Spread Basket Trader

All Managed Orders

13.3.2.0

September, 2011

- No New WTP Features in this Release
- FAQ expanded

No New WTP Features in this Release

FAQ expanded

The FAQ on the Help Pages has been expanded to include more questions/answers and an improved table of contents.

13.3.1.0

September, 2011

There are no new WTP features in Release 13.3.1.0.

13.3.0.0

August, 2011

- Note Field Added to All Four Basket Traders
- BYA/SLA Order Splitting for Complex Orders

Note Field Added to All Four Basket Traders

Note field in standard Basket Trader

The Note field has been added to all four Basket Traders. It is found in the **Override Advanced Order Parameters** section of the standard Basket Trader and Spread Basket Trader.

In the Crossing Basket Trader and Stage Basket Trader the Note field is found in the **Override Order Parameters** section.

BYA/SLA Order Splitting for Complex Orders

When a complex order (whose legs are the automatic side types "BYA" or "SLA") crosses over a flat position, the order can be configured to automatically split into multiple orders.

In **Global Configuration** the option "**Auto-split outright BYA/SLA orders based on the default position mode (account)"** must be checked in order to enable this feature.

The formula for determining the maximum number of orders that can be auto-split is:

Number of legs in a complex order + 1

A new split order will be created *only* if the split can maintain the initial ratio for all legs. If a split is required but cannot satisfy this requirement, the leg will not be split. Instead, it will trade according to standard (i.e., non auto split) rules.

13.2.103.0

August, 2011

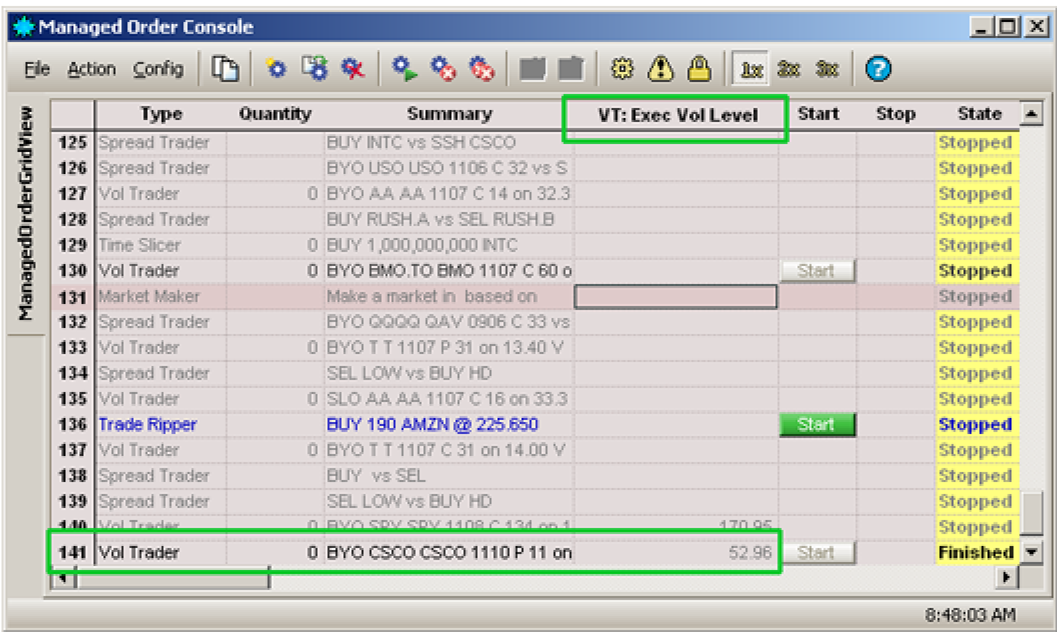
There are no new features in WTP version 13.2.103.0.

13.2.102.0

August, 2011

- Executed Volatility Level Field Added to Managed Order Console
- Release Notes Button Now Available On All Help Releases

Executed Volatility Level Field Added to Managed Order Console



A new Vol Trader column VT: Exec Vol Level is now available for the Managed Order Console.

When added to the Managed Order Console, the column displays the volatility percentage when a Vol Trader order is executed.

Release Notes Button Now Available On All Help Releases

Beginning with this release, a link to all WTP Help page release notes going back to 13.2.80.0 will be placed at the bottom of the page. WTP releases with no new features will not be in the list of release notes.

The release notes button is only available for the online Help pages. **It will not be on the PDF version of Help.**

13.2.101.0

August, 2011

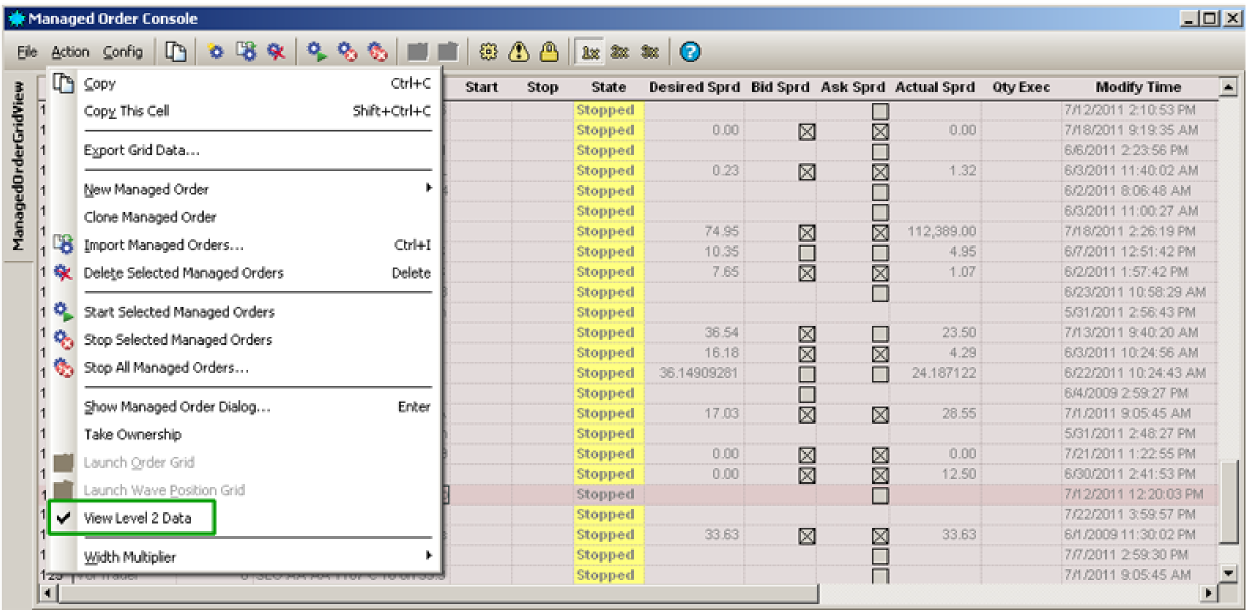
There are no new features in WTP version 13.2.101.0.

13.2.100.0

July, 2011

- Level 2 Data Available in Managed Order Console
- Help Button Added to Managed Orders

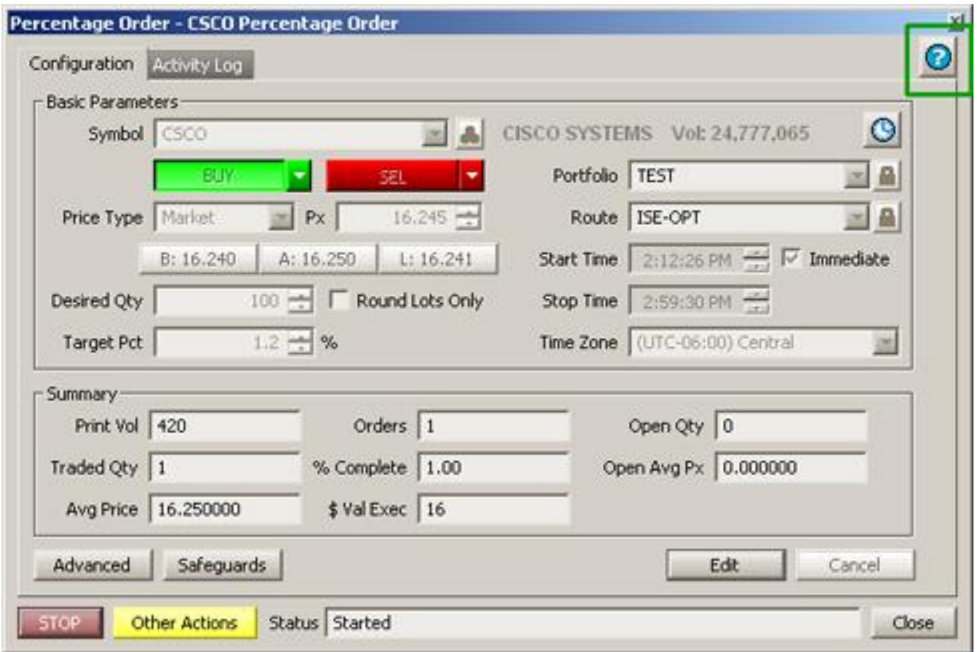
Level 2 Data Available in Managed Order Console



A new menu option View Level 2 Data has been added to the Managed Order Console. When activated, select any managed order. The Equity Quote Cube and/or Option Quote Cube (depending on the managed order) will launch with the symbol(s) associated with that order. If View Level 2 Data is turned off while the quote cubes are displayed, the quote cubes will close.

To activate View Level 2 Data, select it from the Action menu or right-click anywhere in the Managed Order Console grid and select View Level 2 Data.

Help Button Added to Managed Orders

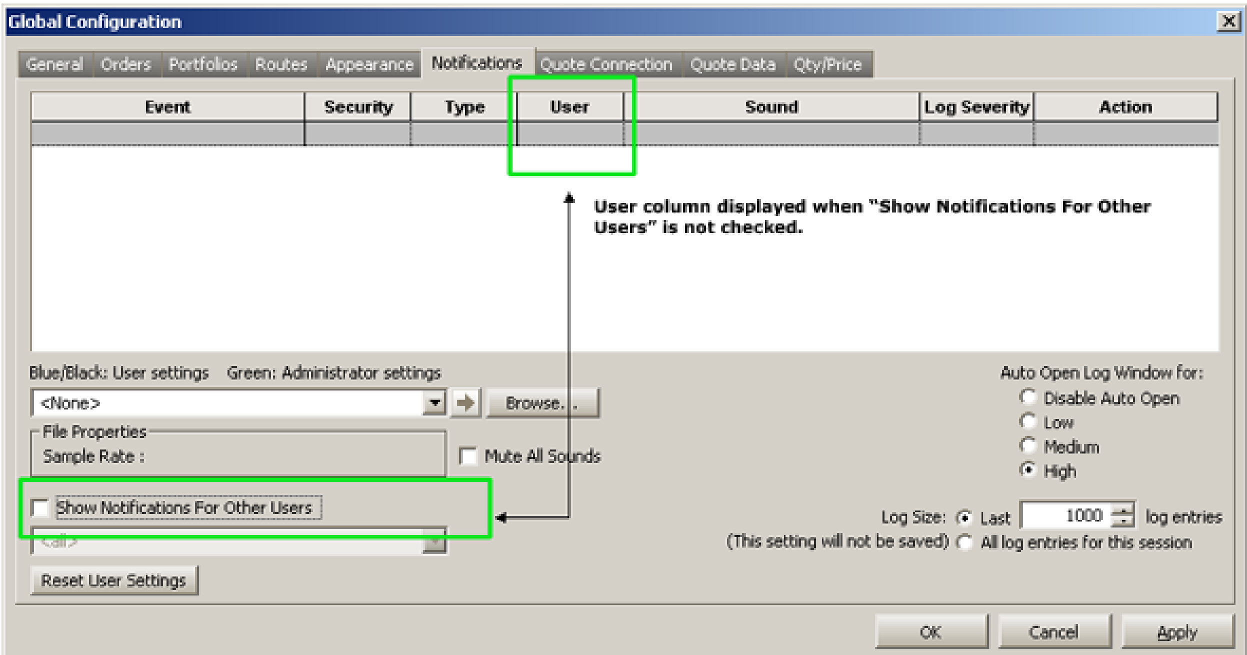


The link to help that was formerly available in the Managed Order Console is now available for all managed order types. The exception is Market Maker which does not have its own help page. Selecting Market Maker's Help icon will open the Managed Order Console page.

13.2.99.0

July, 2011

- User Column Added to Notifications



The column "User" has been added to Global Configuration under the **Notifications** tab.

Now, a notification can be sent if a user (or users) match a specific event, security, and type. With the User column displayed, select user(s) by clicking in the column and checking the required names for notification.

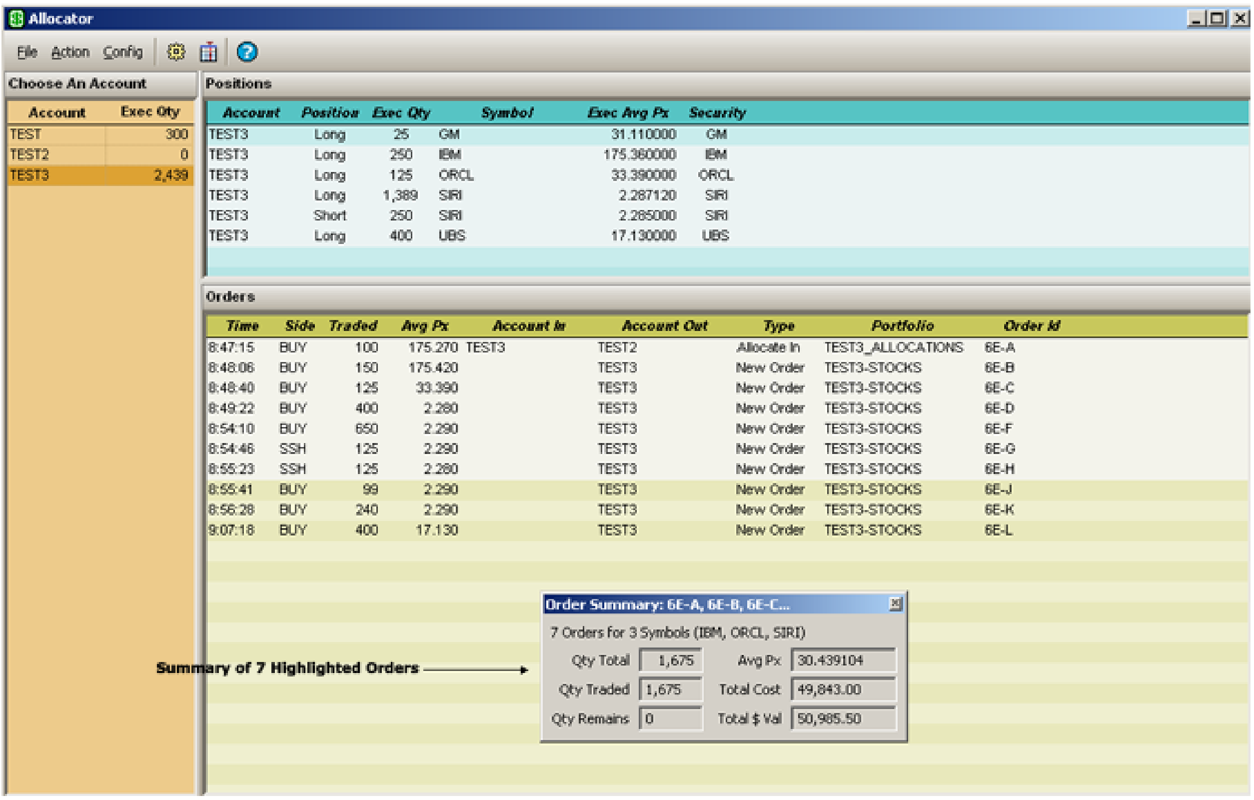
The User column is visible only when the Show Notifications For Other Users box is not selected.

13.2.98.0

July, 2011

- Order Summary Window Added to Allocator
- EDGA and EDGX Added as Book Sources

Order Summary Window Added to Allocator



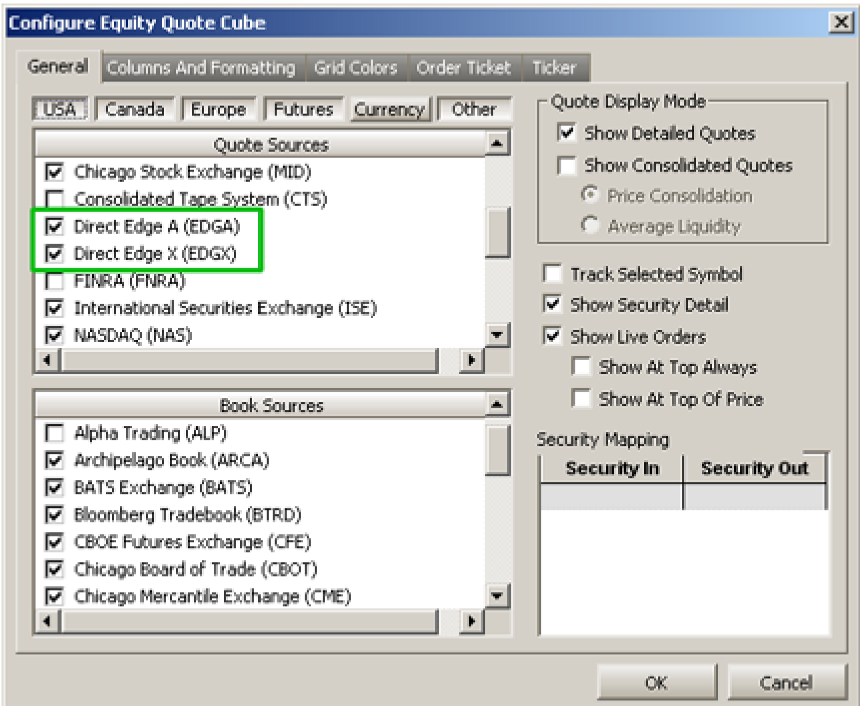
A new Order Summary window in **Allocator** displays:

- The number of orders for the number of selected symbols
- Total quantity
- Total traded
- Remaining quantity
- Average price
- Total cost
- Total value

To launch the Order Summary window, highlight one or more orders in the Orders portion of the Allocator window. Right-click and select Show Order Summary.

The Order Summary window is also available in the **Order Grid** and is accessible by right-clicking on selected orders or via the **Action** menu.

EDGA and EDGX Added as Book Sources



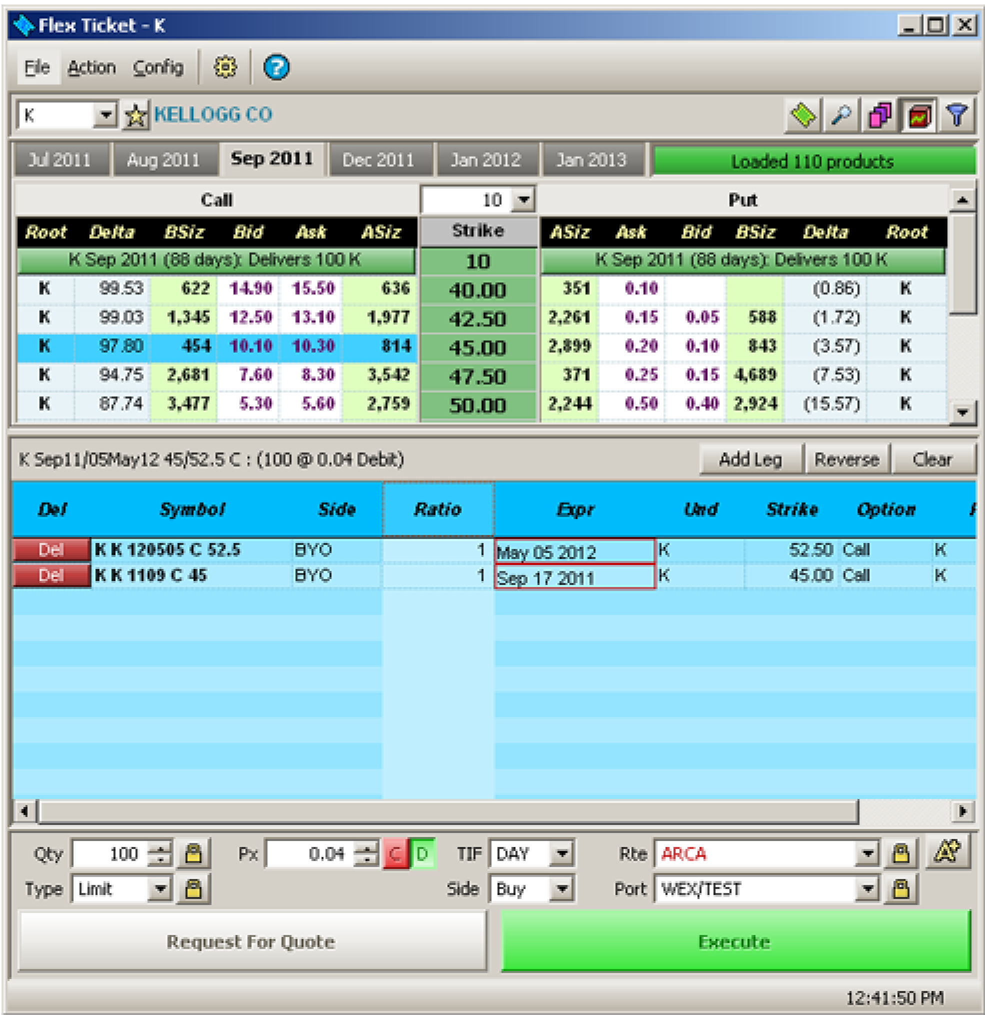
EDGA and EDGX (permission-based dual equity trading platforms owned by Direct Edge ECN, LLC) are available for selection as book sources.

Either one can be added as a quote source for the **Equity Quote Cube** (on the configuration page, **General** tab) and in **Global Configuration** (under the **Quote Data** tab).

13.2.97.0

June, 2011

New WTP Applet: Flex Ticket



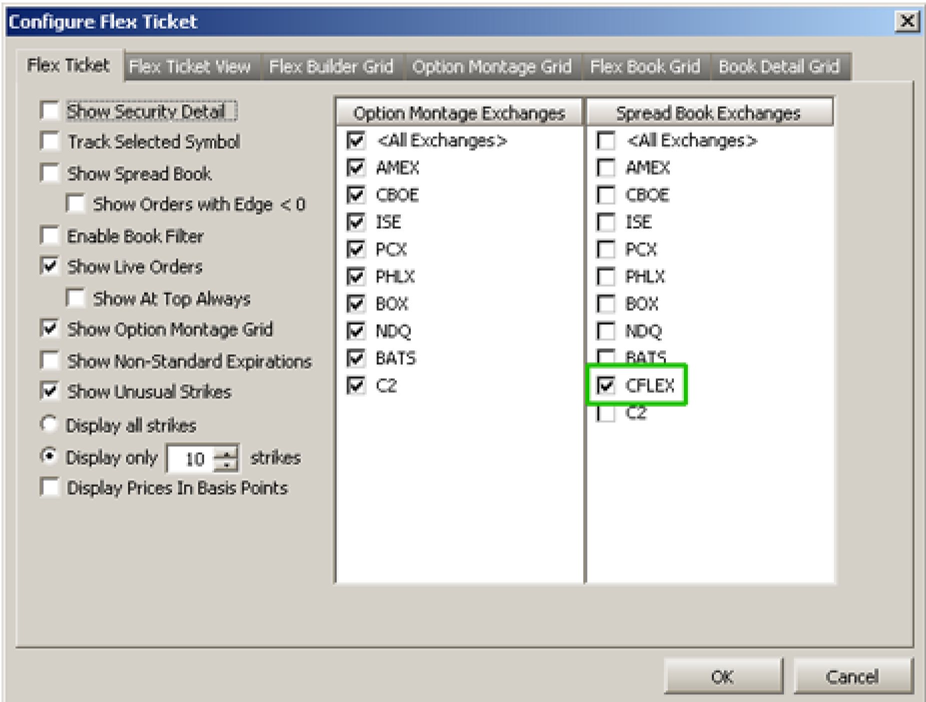
FLexible **EX**change **(FLEX)** options are customized equity or index option contracts that provide investors with the ability to customize key contract terms including strike prices, exercise styles and expiration dates of up to ten years from the trade date; with the transparency, administrative ease and clearing guarantees of standard listed options.

A new WTP applet Flex Ticket has been created that allows traders the ability to customize key terms (i.e., exercise price, expiration date) for equity or index option contracts.

There are two execute-style buttons in the Flex Ticket: **Request For Quote** and **Execute**:

- **Request For Quote—**Quotes for Flex options are generated only in response to a Request For Quote (RFQ), since no Flex option series are continuously quoted. A quote will be supplied if there is *not* another live RFQ with the same trading strategy. RFQs do not acknowledge prices and quantities, so those values will be ignored when issuing the command.

- **Execute—**Select this button to send the flex order.



The CFLEX Spread Book Exchange (a connection requirement for Flex orders) is available for selection in the configuration windows of the Flex Ticket and Spread Ticket.

13.2.96.0

June, 2011

- Two Overrides Now Available in Stage Basket Trader
- Bulk Ownership Changes Can Be Made in the Managed Order Console

Two Overrides Now Available in Stage Basket Trader

Two overrides Buy Type and Sell Type are now available in the Stage Basket Trader.

The only selection available for each order type is Market. All limit orders can be changed to market orders with this feature.

Bulk Ownership Changes Can Be Made in the Managed Order Console

Users with the client permission Managed Order Admin can assign ownership of managed orders to another person.

In addition, a user with the Managed Order Admin permission can delete managed orders owned by someone else.

Contact technical support if the Managed Order Admin permission is required.

13.2.95.0

June, 2011

- Warning Message Displayed for Spread Orders Without Delta
- Locate ID and Note fields Available in Basket Trader
- Additional Slip Fields Available in Order Grid

Warning Message Displayed for Spread Orders Without Delta

If there is no market data for the Delta value in a spread order, a warning message will display. This message is a guard against sending a possibly mis-hedged order.

Locate ID and Note fields Available in Basket Trader

Two new grid columns Locate ID and Note are now available for Basket Trader. Content is added directly to either column by clicking directly in the appropriate field.

Add either column by right-clicking on a column head and selecting **Insert Column-->Basket Fields-->**.

Additional Slip Fields Available in Order Grid

New order fields available in Order Grid:

- SlipLast
- SlipLast Avg
- SlipMid
- SlipMid Avg

SlipLast Avg is calculated from the last price and SlipMid Avg from the mid price.

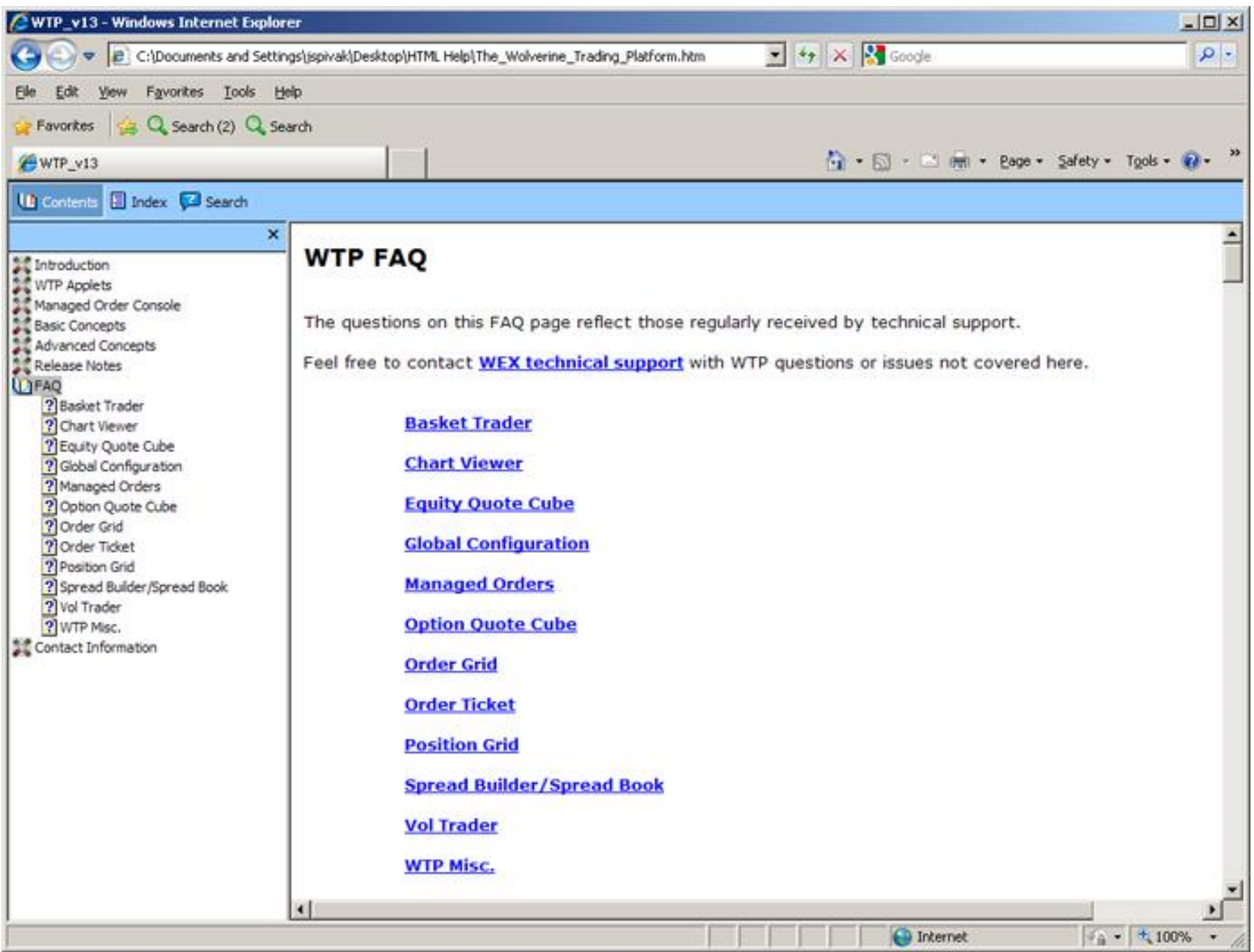
Add the columns by right-clicking on a column head and selecting **Insert Column-->Order Fields-->**.

13.2.94.0

June, 2011

- No New WTP Features in this Release
- FAQ Added to Help

FAQ Added to Help



Questions received by the WEX Help desk revolving around a similar theme or product have been included in this FAQ. The questions are divided by product type except for WTP Misc. which encompasses general questions about WTP.

A link to the FAQ is on the main page and the contents pane of Help.

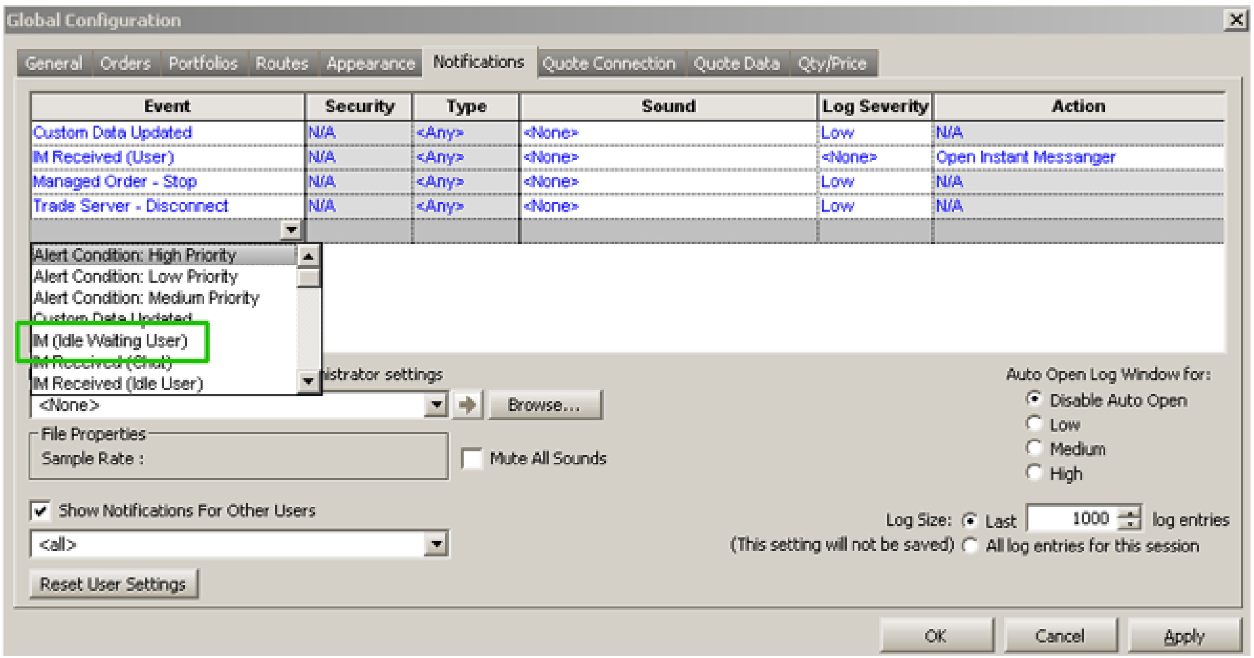
If there's a question you'd like to see added to the FAQ, send an email to the WEX Help desk.

13.2.93.0

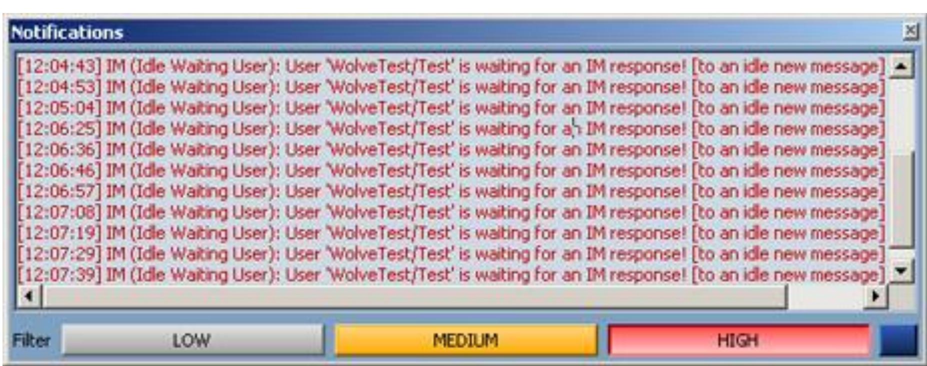
May, 2011

- Notification Created for "Idle Waiting" Instant Messenger Users
- Instant Messenger—Unseen Message Navigation from WTP Toolbar

Notification Created for "Idle Waiting" Instant Messenger Users



"IM (Idle Waiting User)" is a new notification event in Global Configuration. Once the event has been created, a Notification will be sent to the recipient of an Instant Message if the recipient has not responded to the message after a defined time period. The notification will repeat until the recipient responds:



The system default value is **two minutes (120 seconds)** wait time before a notification is issued. The system default value is **five minutes (300 seconds)** before WTP assumes a new conversation has begun.

Idle notification values (in seconds) are stored in the **UserConfig.WTP.ini** file as follows:

IdleWaitingUserNotificationTime=120

UserIdleNotificationTime=300

To adjust the time before a notification is issued, change the value of IdleWaitingUserNotificationTime.

Remember to set the IM (Idle Waiting User) event in **Global Configuration.** It is preferable to set the log severity and Auto Open Log Window to **High**.

Note: Idle User Notification **does not apply** for Chats in Instant Messenger.

Instant Messenger—Unseen Message Navigation from WTP Toolbar

The Instant Messenger applet has always allowed users to view the most recently received instant message by clicking on New Messages in the WTP toolbar.

Now, a user can view messages older to newer or vice versa by selecting New Messages.

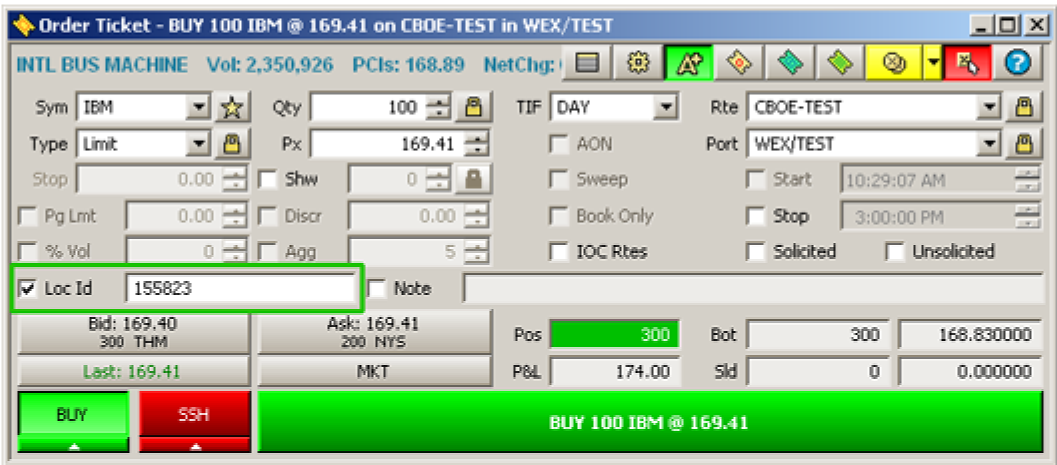
- View Older to Most Recent Unseen Message In the Appropriate Channel—**Right double-click on New Messages**

View Most Recent to Older Unseen Messages in the Appropriate Channel—**Left double-click on New Messages.**

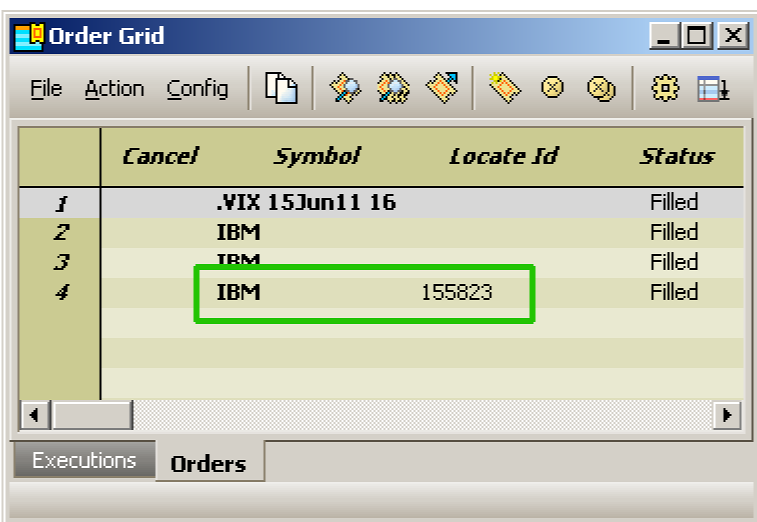
13.2.92.0

May, 2011

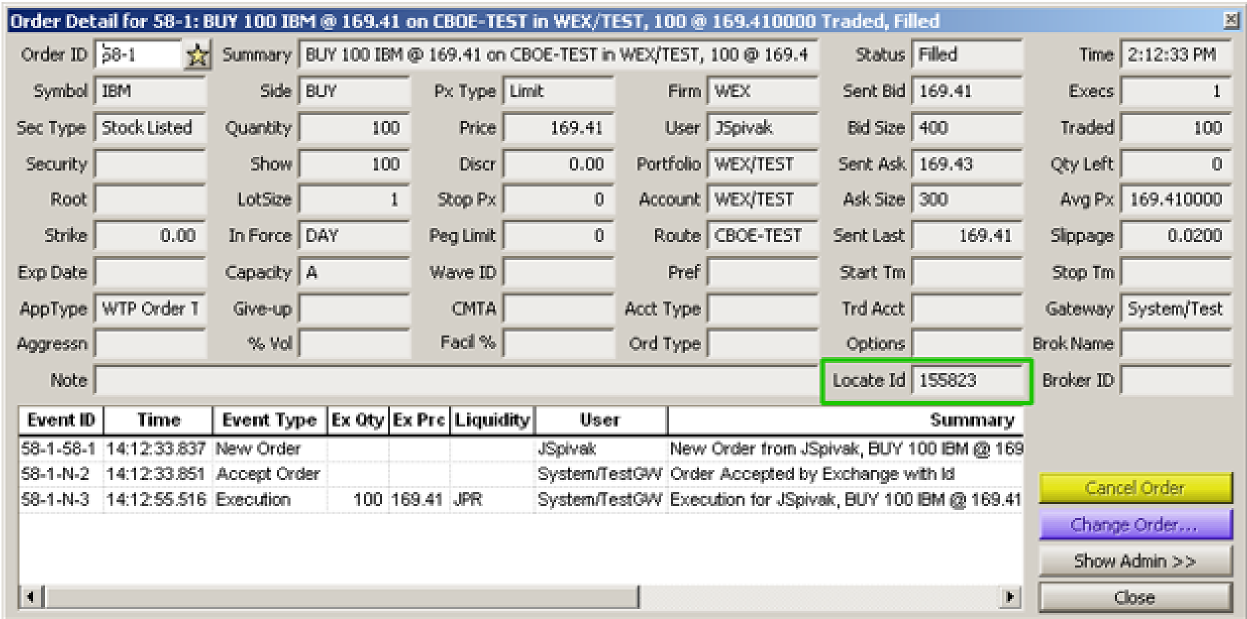
- **Locate ID** Field Added to Select WTP Applets



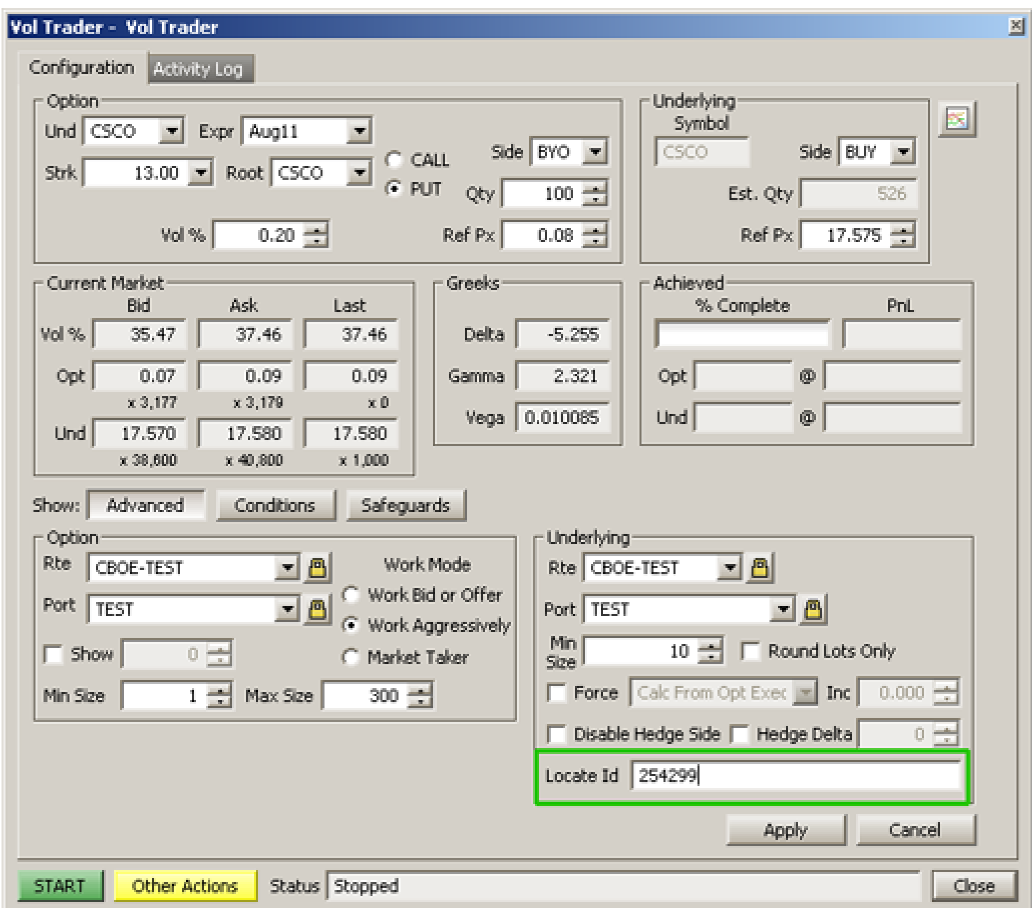
Loc(ate) ID in Advanced Order Ticket



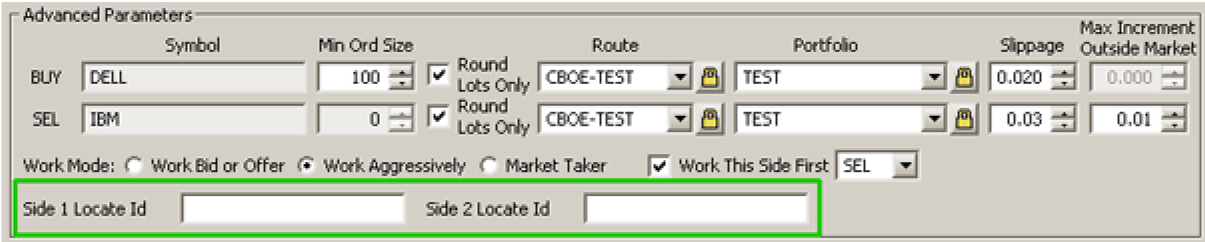
Locate ID column in Order Grid



Locate ID in Order Detail window



Locate ID in Vol Trader



Spread Trader with Locate ID fields for both sides

SEC regulation SHO includes a new uniform requirement for broker-dealers to locate securities available for borrowing prior to effecting a short sale. Regardless of whether the seller's short position may be closed out by purchasing securities the same day, firms will need to document that (a) they have borrowed or arranged to borrow the stock, or (b) they have reasonable grounds to believe they can borrow the stock and deliver on delivery date.

Consequently, a new field Locate ID has been created and is now available in:

- Equity Order Tickets (advanced mode)
- Equity Report Trade ticket
- Select managed orders (Vol Trader, Spread Trader)
- Order Grid (Locate ID column)

Both numbers and letters can be used in a Locate ID, but there is a 16-character limit.

13.2.91.0

May, 2011

- New Account Type: Broker Dealer (Customer)
- Spread Basket Trader Now a Standalone Applet

New Account Type: Broker Dealer (Customer)

A new account type, Broker Dealer (Customer) is now available for Options trading in select WTP applet order tickets (in advanced mode).

The basic difference between trading as a Broker Dealer and a Broker Dealer (Customer) is the method of clearing orders at the OCC (Options Clearing Corp.). Both account types pay the same fees and are given the same priority on the book.

Spread Basket Trader Now a Standalone Applet

In previous releases, the **Spread Basket Trader** was not a standalone applet. It was launched when it received Spread Viewer orders via the send to--> command.

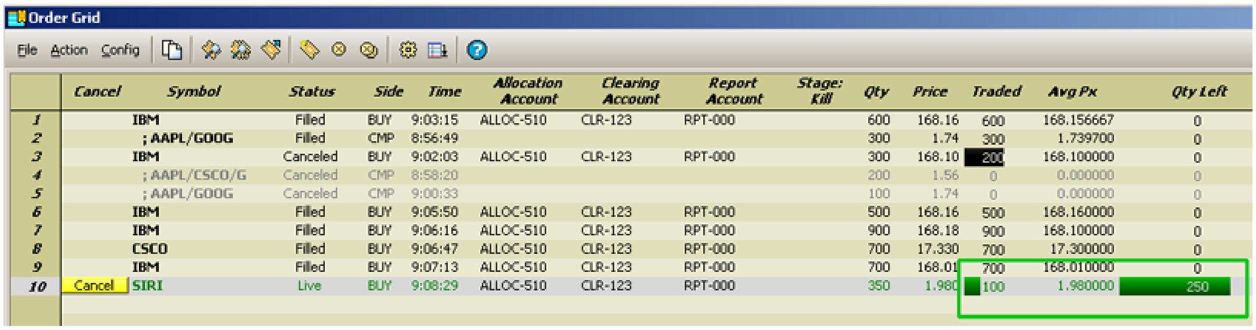
Now, the Spread Basket Trader is a standalone applet launched from the WTP menu or via Trade-->Spread Basket Trader.

13.2.90.0

April, 2011

- Progress Bars Added to Order Grid
- Vol Trader Hedge Delta Warning

Progress Bars Added to Order Grid

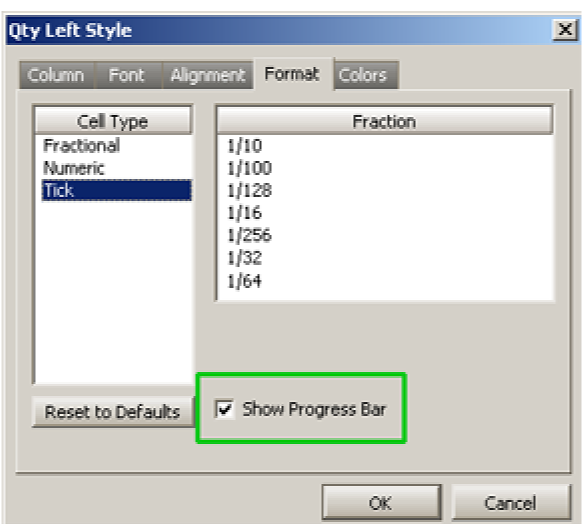


A progress bar that displays the amount **traded**, the **remaining** order quantity (Qty. Left), and **% complete** has been added to the Order Grid.

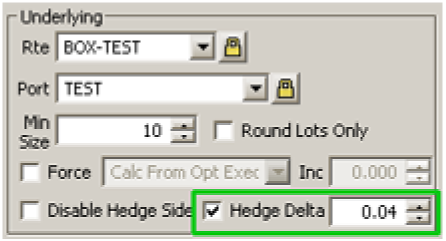
The progress bars will **not** display if:

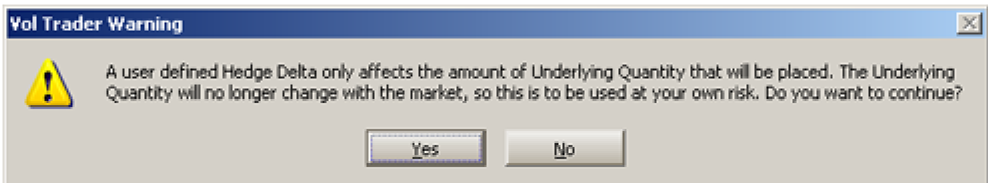
- the order has no filled quantity
- the order has completely filled

To display the progress bar, check the option Show Progress Bar in the column's style/format window:



Vol Trader Hedge Delta Warning





A warning message now displays in **Vol Trader** when a Hedge Delta value (for an underlying security) is applied. The message states that a defined underlying quantity will not change with the market.

13.2.89.0

April, 2011

- **New WTP Applet: Stage Basket Trader**

A new stage-order type Stage Basket Trader is now available in WTP. Operating in the same fashion as the standard Basket Trader, orders sent via the Stage Basket Trader are different because they represent an intention to trade waves of single orders.

New orders for a particular security can be attached to the same security in the basket, reducing the staged order's amount. Viewable in the Order Grid, Stage Basket Trader orders can be changed or released.

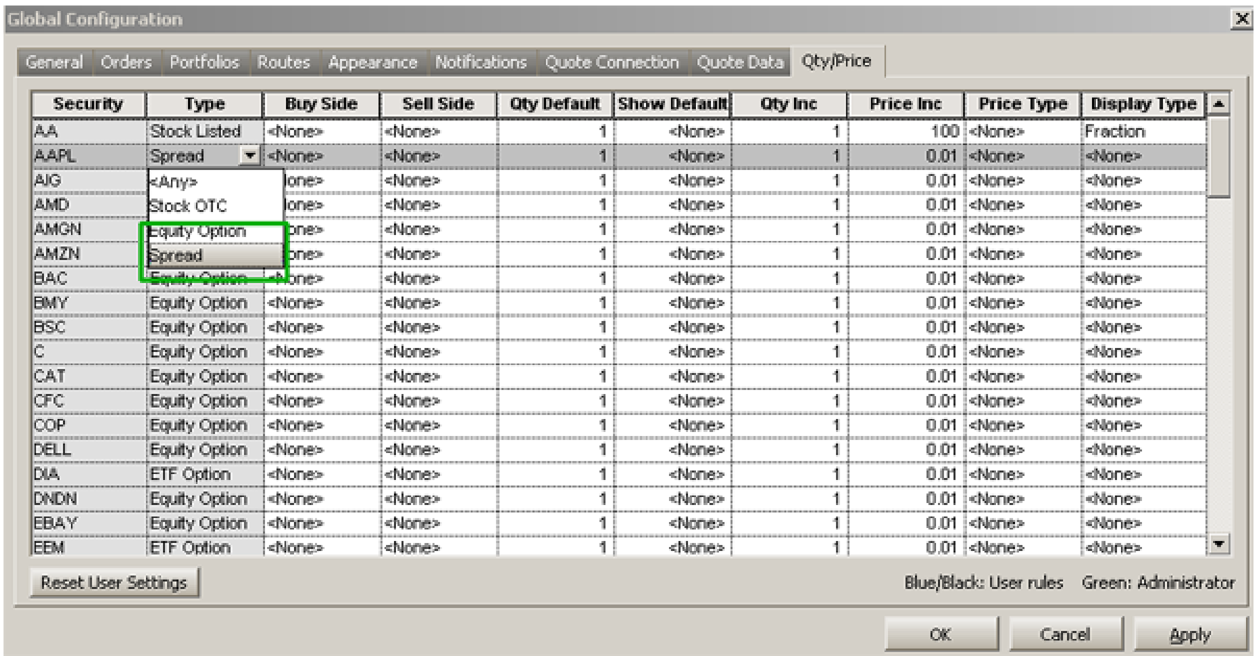
Stage Basket Trader is opened via the WTP menu or from **Trade-->Stage Basket Trader**.

13.2.88.0

April, 2011

- ["Spread" Now a Security Rule Type]()
- [Help Pages Update]()

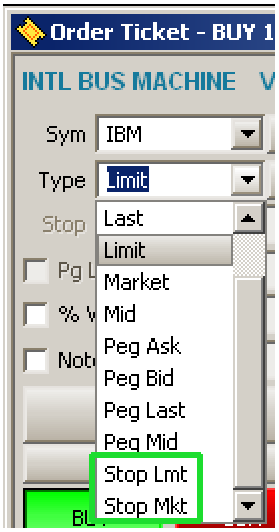
"Spread" Now a Security Rule Type



Spread as a security rule type is now available in Global Configuration (in the Qty/Price tab).

For futures orders, Spread cannot be selected.

Help Pages Update



Information on Stop Limit and Stop Market orders in advanced mode has been added to the Order Ticket help page.

A link to this feature on the Order Ticket page was added to the Equity Quote Cube page (whose ticket also allows Stop Limit/Stop Market order types).

13.2.87.0

April, 2011

- No new WTP features in this release
- Help Pages changes

No new WTP features in this release

Help Pages changes

1. Main page link to HELP PDF file

   A link to the WEX Client Portal login is now available on the main Help page.

2. On the Columns and Formatting page new content was added for the following features:

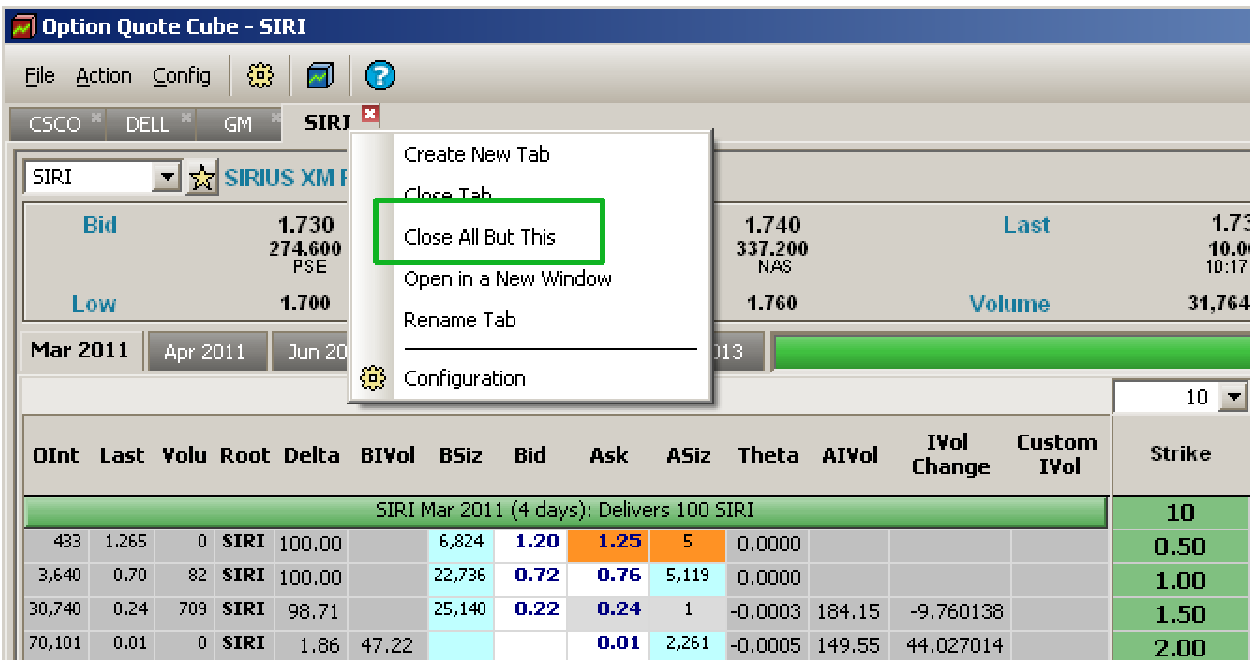
   Custom Quote Fields

   User Defined Fields

13.2.86.0

March, 2011

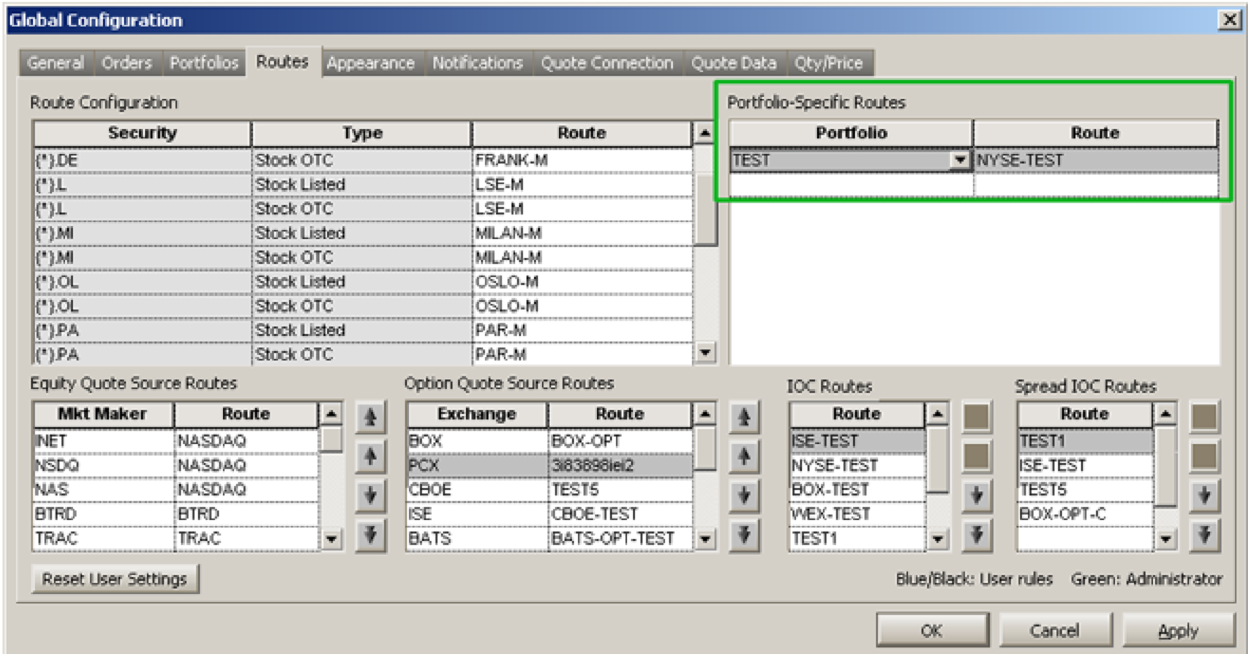
New Feature for Tabs in Grids "Close All But This"



A new tab control command "Close All But This" has been added to all WTP apps that feature grids.

Right-click on a tab to display the tab menu. When "Close All But This" is selected, all existing tabs will close except for the one that was right-clicked.

Portfolio-Specific Routes Added to Global Configuration

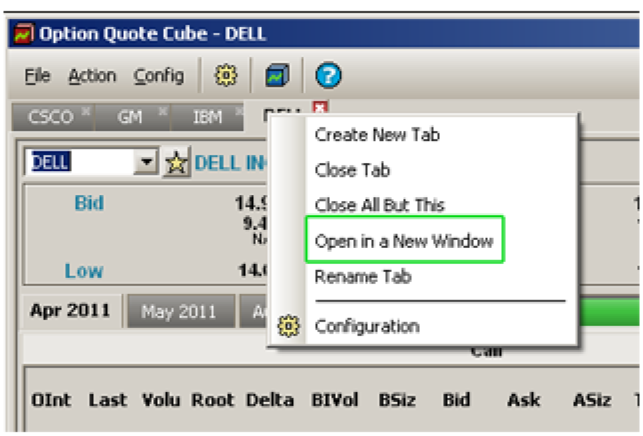


In the **Portfolios** section of Global Configuration, a security can be linked to a portfolio via a route when <From Route> is selected.

Now, in the Routes section (under Portfolio-Specific Routes), a portfolio/route link can be established. When a portfolio is selected, its associated route will also be selected.

In the example above, selecting the portfolio TEST will automatically use the NYSE-TEST route.

Open New Window for Tabs



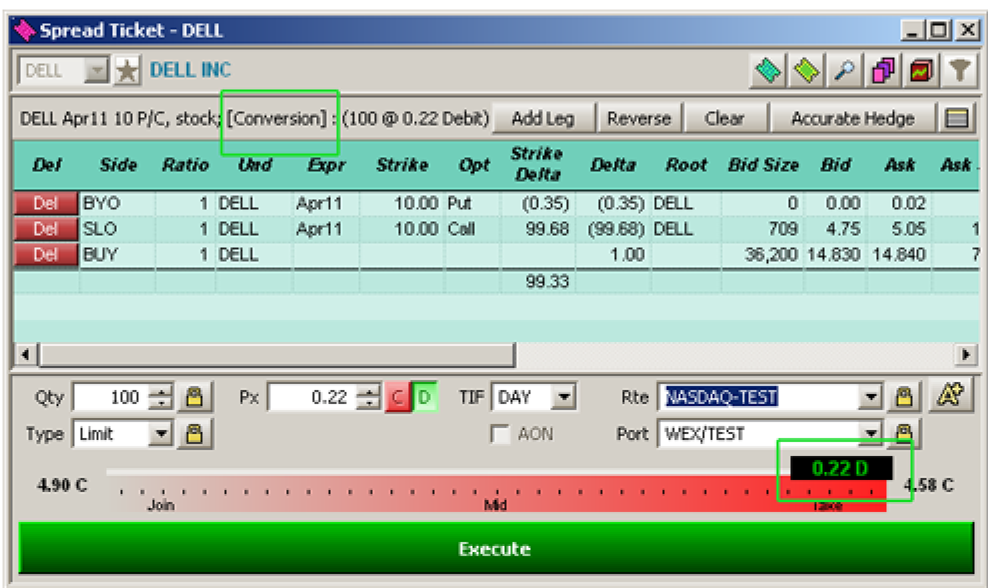
A new tab option Open in a New Window opens a new window with the selected security in place.

Right-click on a tab name to view the tab menu. Select Open in a New Window to open a new instance of the current applet.

This feature works with all WTP grid applets.

Conversion Columns Available In Option Quote Cube and Spread Builder

Option Quote Cube, Conversion Ask Price = $0.22



Spread Ticket, Conversion Ask Price in the Px field

In the Option Quote Cube and Spread Builder configurations, under "Option Montage Grid/Option Montage Fields", three new columns are available for both calls and puts: Conversion Ask, Conversion Bid, and Conversion Mid. In these columns are either conversion or reversal values that act as follows:

- Conversion = sell call, buy put, buy stock
- Reversal = buy call, sell put, sell stock

The midpoint conversion/reversal for all strikes is useful to see as high delta options can have wider bid/ask spreads.

Clicking on a conversion field for a particular strike price opens the Spread Ticket with spread data in place. The selected conversion value will appear in the Px field of the ticket (all negative values are converted to positive, i.e., -0.04 become 0.04). Generally speaking, positive conversion amounts yield a debit value, while negative conversion amounts yield a credit value.

Left/Right Navigation Arrows Now Functional

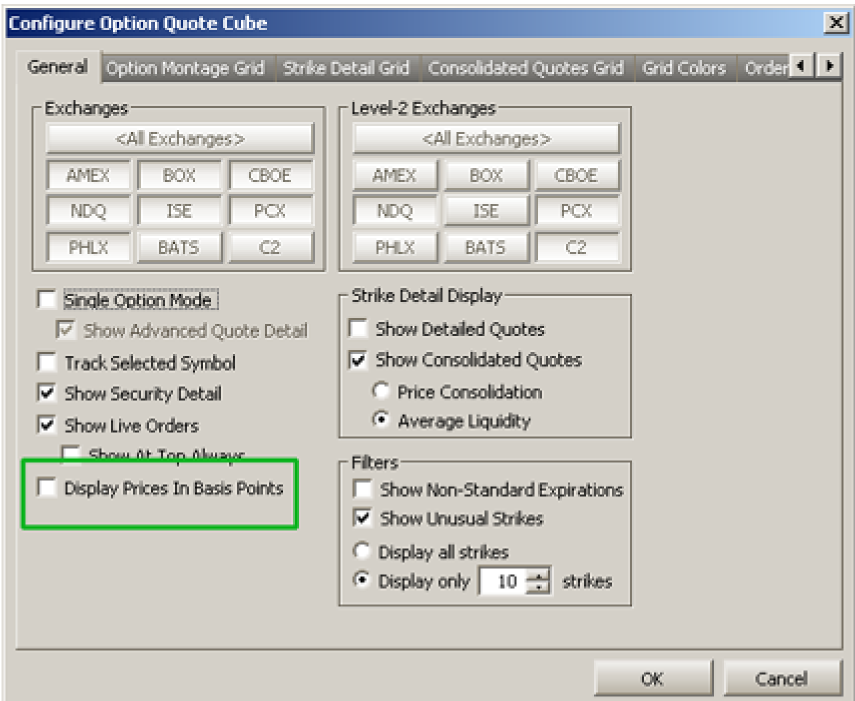
Left and Right page navigation arrows are now functional in online Help.

The keyboard equivalents (alt + left arrow, alt + right arrow) remain enabled.

13.2.85.0

March, 2011

- WTP Option to "Display Prices In Basis Points" Moved to Configuration Page
- PDF Version of the Help Documentation Now Available



WTP Option to "Display Prices In Basis Points" Moved to Configuration Page

The option to **"Display Prices In Basis Points"** has been moved from the "show montage filters" drop-down list to the configuration page of **Option Quote Cube** and **Spread Builder**.

PDF Version of the Help Documentation Now Available

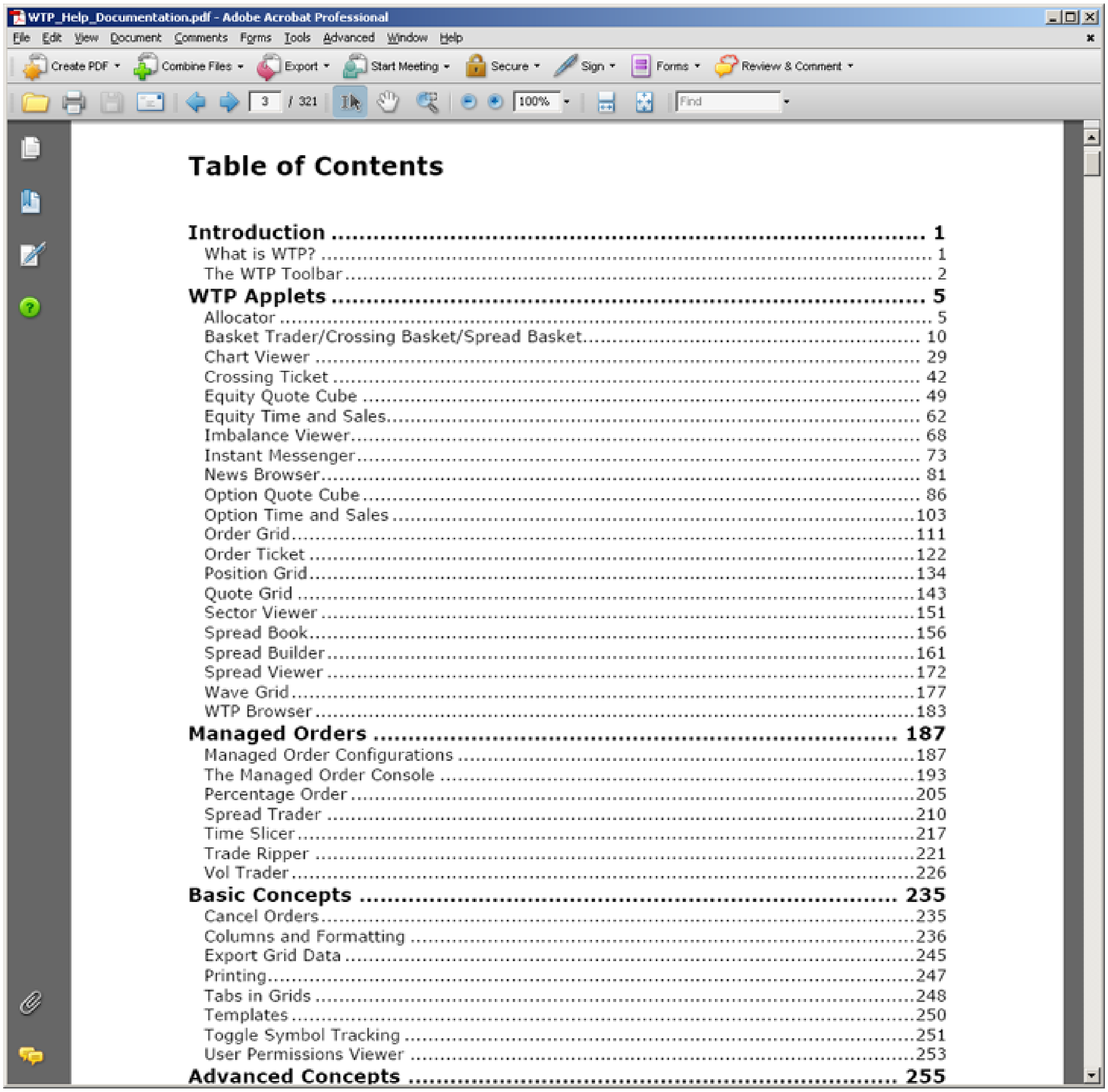


Table of Contents

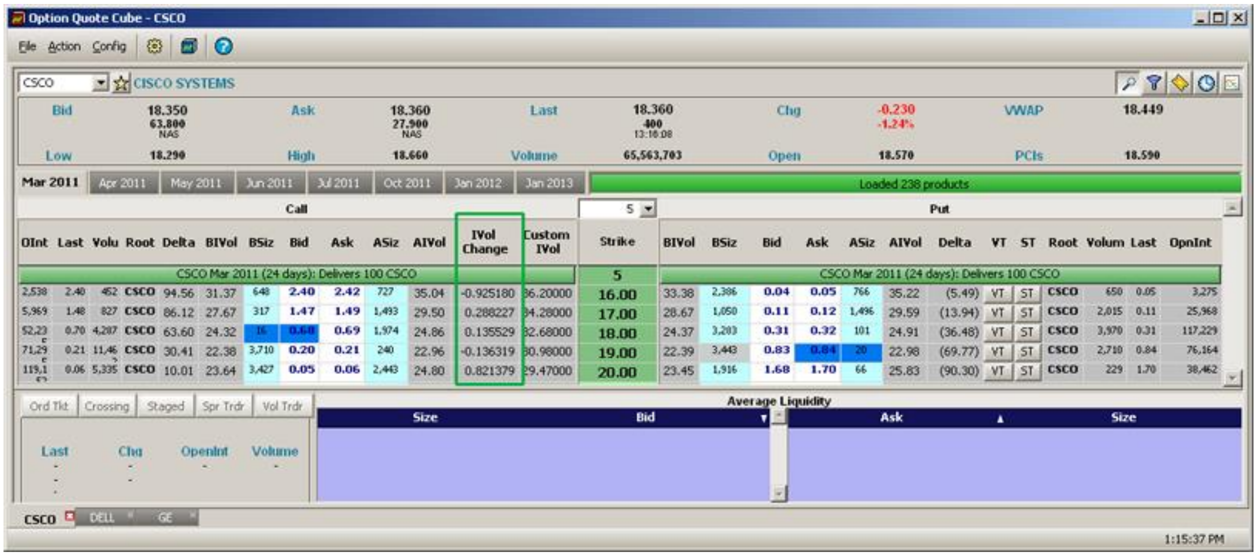
A PDF version of all the Help pages (including Release Notes) has been created. The home page has been replaced with a table of contents, and all pages feature chapter identifiers and page folios.

The PDF is available from the **tradewex** site.

13.2.83.0

February, 2011

- **IVol Change Column Available in Option Quote Cube and Spread Builder**



A new implied volatility quote field column **IVol Change** is now available in **[Option Quote Cube]** and **[Spread Builder]**.

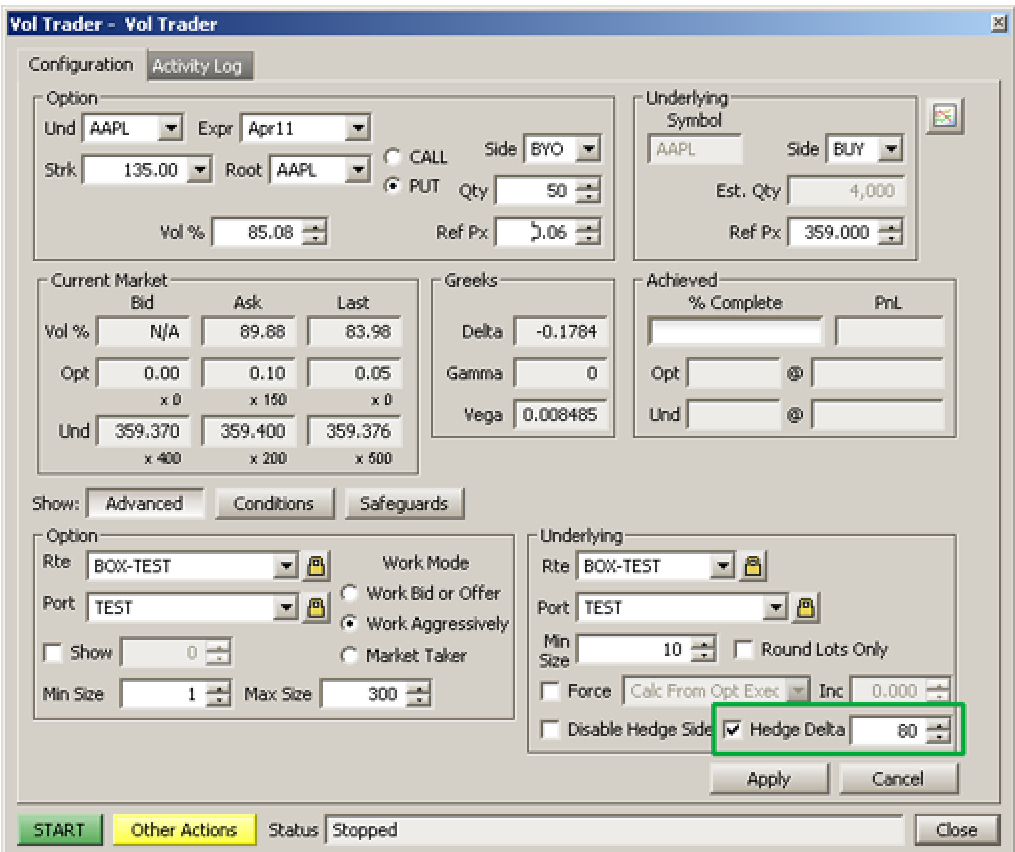
The data displayed in the **IVol Change** column reflects the change from previous day's IVol value to the current IVol value.

13.2.82.0

February, 2011

- [User Provided Hedge Delta for Vol Trader]
- [New PNL-Based Columns Available in Position, Order, and Wave Grids]

User Provided Hedge Delta for Vol Trader



Hedge Delta is a new advanced option in [Vol Trader], allowing a user to specify a delta value which, in turn, will be used in computing the **Est. Qty** of an underlying symbol.

The Est. Qty is computed as follows: **Hedge Delta x Qty = Est. Qty.** In the image above, the Hedge Delta is 80 x 50 (Qty) with a product of 4,000 (Est. Qty).

If Hedge Delta is not selected, the market delta will be used when calculating the Est. Qty value.

New PNL-Based Columns Available in Position, Order, and Wave Grids

The following **realized/unrealized PNL** account position columns are now available in Position Grid, Order Grid and Wave Grid:

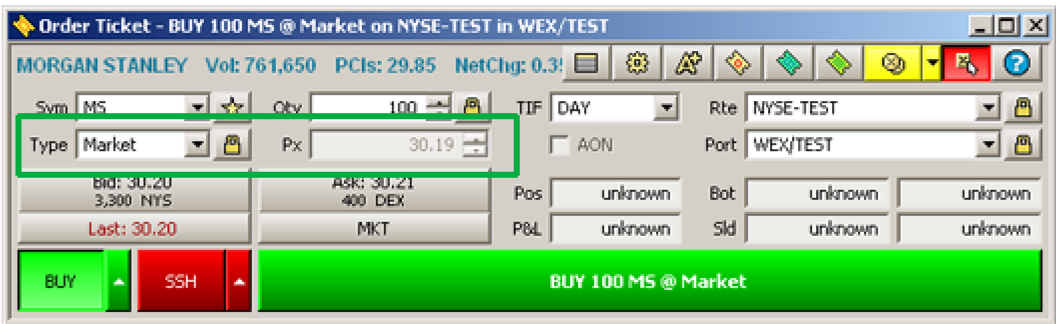
- PNL real (order is filled with a realized PNL)
- PNL real adj (adjusted)
- PNL unreal (live order but unfilled with a theoretical PNL)
- PNL unreal adj (adjusted)

13.2.81.0

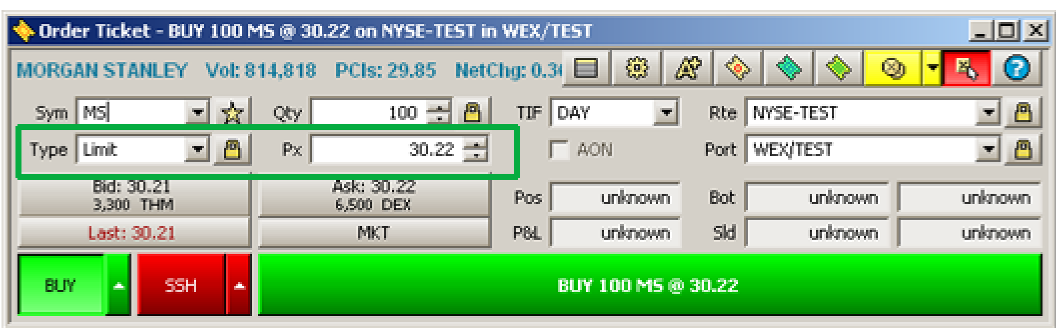
February, 2011

- **Click Enabled Feature Added to Ticket Controls**
- **Smart Ticket**
- **Order Ticket Offers Multiple Ticket Selections**

Click Enabled Feature Added to Ticket Controls



Px Field Greyed When Order Type = Market



After Clicking in Greyed Area, Order Type = Limit

In all WTP **Order Tickets**, a Market Order can be instantly changed to a Limit Order by clicking on the grayed out **Px** field.

Similar functionality can be found in the following fields that only require a click in the field to enable it:

- Show Quantity
- Discretion
- Aggression
- Peg Limit
- Percent Volume

- Start Time
- Stop Time

For Crossing Ticket:
- Contra Price

For Report Trade Ticket:
- Liquidity Type
- Commission Price (and per-share/flat-fee buttons)

For Staged Order Ticket:
- Price
- Route

Smart Ticket

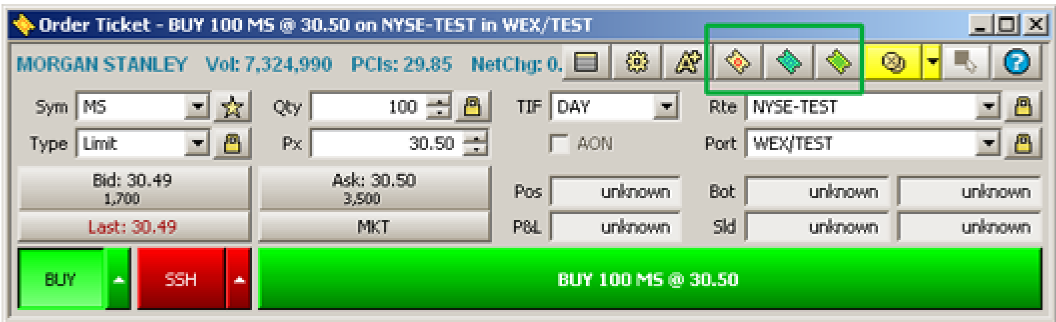
A new **send to-->** selection **Smart Ticket** has been added to WTP. The Smart Ticket opens the appropriate ticket (i.e., regular order ticket, spread ticket, crossing ticket, or staged ticket) based on the data sent to it.

For example, selecting a single row in Option Quote Cube and sending it to the Smart Ticket opens a standard Order Ticket in Option mode. Selecting multiple rows in Option Quote cube opens a Spread Ticket when sending the rows to the Smart Ticket. The selected rows are the legs of the Spread Ticket.

Once an order is sent to the Smart Ticket, all other ticket selections will be unavailable in the **send to-->** menu. Conversely, if an order is sent to a non-smart ticket, the Smart Ticket will be unavailable in the **send to-->** menu.

You can, however, change a created Smart Ticket from the ticket's menu bar. For example, if a Smart Ticket creates an Order Ticket in option mode, the ticket can be changed to a Staged Ticket or Crossing Ticket, but *cannot* be changed to an equity Order Ticket.

Order Ticket Offers Multiple Ticket Selections



In addition to offering the ability to change an Equity Ticket to an Option Ticket (and vice versa), a **Staged Ticket** and **Crossing Ticket** can now be selected.

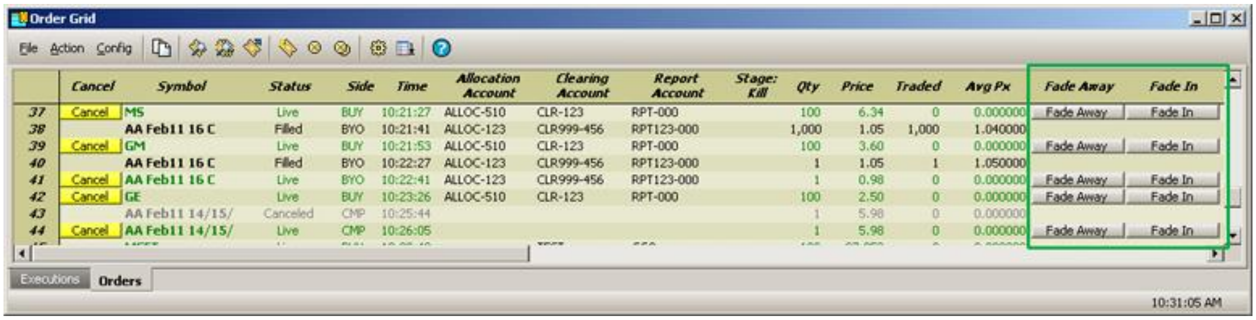
A **Staged Ticket** can be changed to an **Option Staged Ticket**, **Crossing Ticket,** or standard Order Ticket.

A **Crossing Ticket** can be changed to an **Option Crossing Ticket, Staged Ticket,** or standard Order Ticket.

13.2.80.0

February, 2011

- **Fade In/Fade Away Buttons Added to Order Grid**



Two new buttons **Fade In** and **Fade Away** allow a user to adjust prices in defined increments on live orders. Both columns/buttons and are now available in the **Order Grid.**

The columns are found under **Order Fields** in either the configuration window of Order Grid or by right-clicking on any column head and selecting **Insert Column-->Order Fields-->Fade In** (or **Fade Away**).

The **Fade In/Fade Away** buttons work in a similar fashion to the **+/-** buttons with a couple of exceptions:

- **Fade In/Fade Away** can be used for multiple live orders.
- With "**+**" the buy/sell prices move higher. With "**-**" the buy/sell prices move lower.

  The actions of **Fade In/Fade Away** are described below:

COMMAND	LIVE ORDER (BUY)	LIVE ORDER (SELL)	RESULT
Fade In	Increases price 1 increment at a time	Decreases price 1 increment at a time	The buy price moves higher, the sell price moves lower (everything becomes more marketable).
Fade Away	Decreases price 1 increment at a time	Increases price 1 increment at a time	The buy price moves lower, the sell price moves higher (everything becomes less marketable).

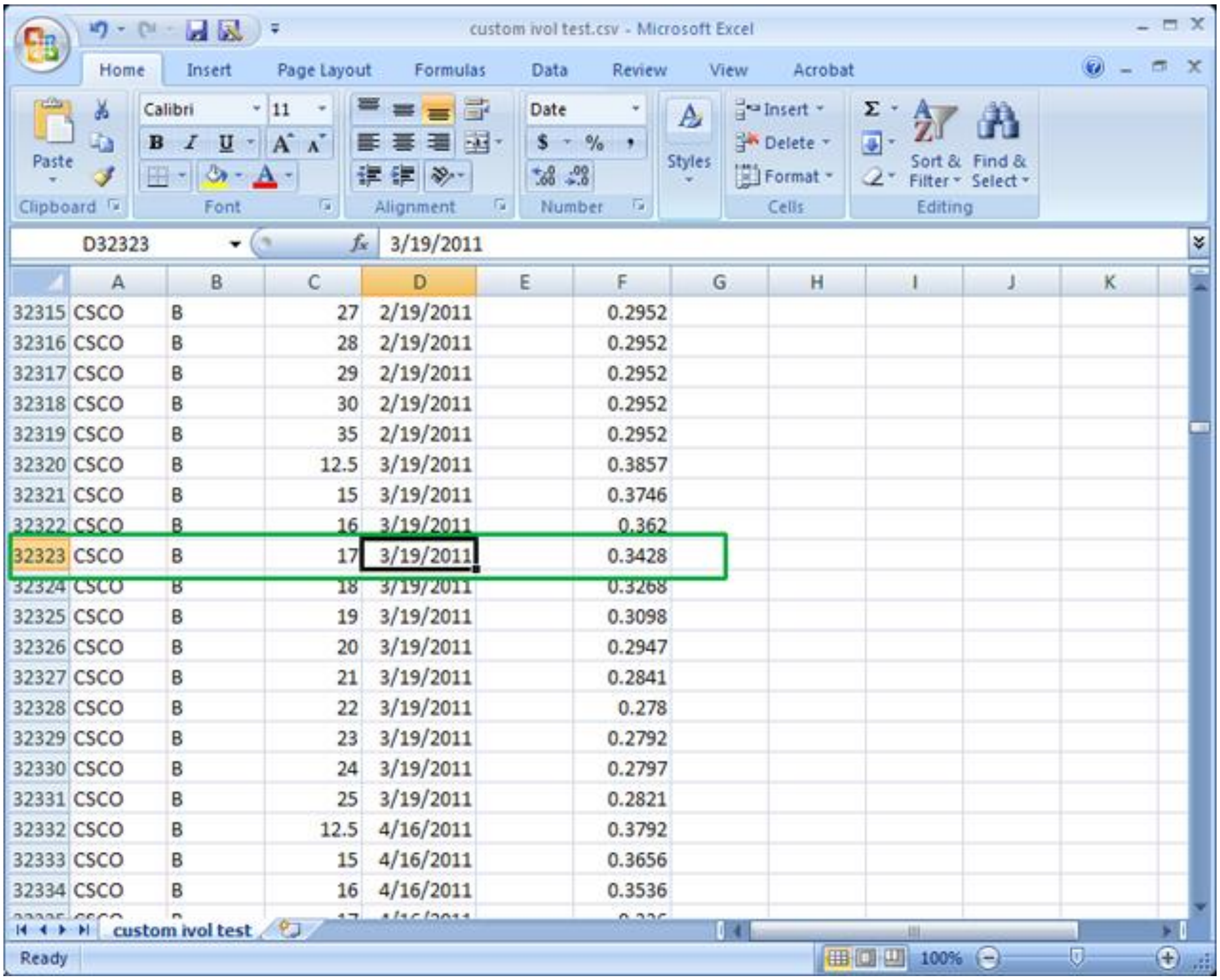
Note: The price increment is normally $0.01 but can be any value when defined in **Global Configuration**.

13.2.79.0

January, 2011

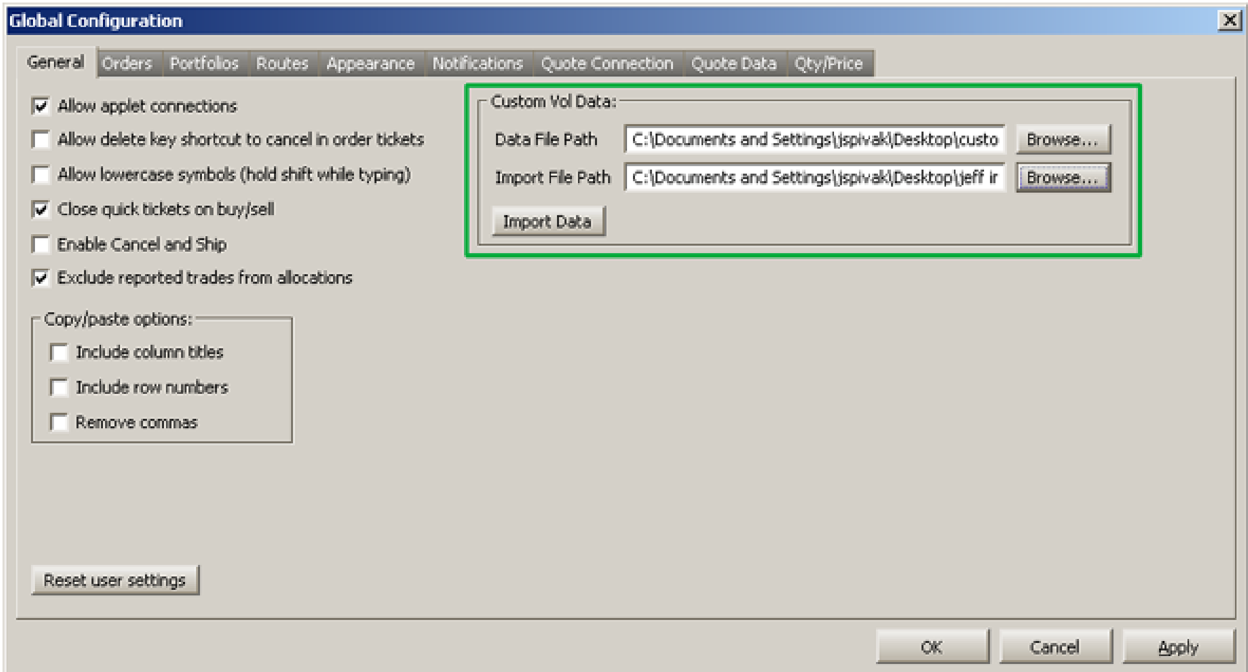
- **User Custom IVol Values Can Be Added To Various Grids**

Source data file lists symbols, strike price, expiration date, custom IVol values:

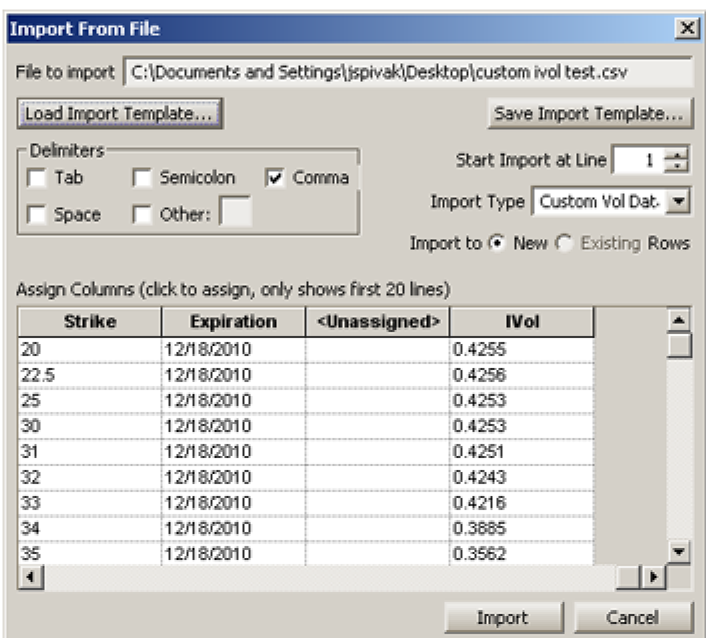


	A	B	C	D	E	F
32315	CSCO	B	27	2/19/2011		0.2952
32316	CSCO	B	28	2/19/2011		0.2952
32317	CSCO	B	29	2/19/2011		0.2952
32318	CSCO	B	30	2/19/2011		0.2952
32319	CSCO	B	35	2/19/2011		0.2952
32320	CSCO	B	12.5	3/19/2011		0.3857
32321	CSCO	B	15	3/19/2011		0.3746
32322	CSCO	B	16	3/19/2011		0.362
32323	CSCO	B	17	3/19/2011		0.3428
32324	CSCO	B	18	3/19/2011		0.3268
32325	CSCO	B	19	3/19/2011		0.3098
32326	CSCO	B	20	3/19/2011		0.2947
32327	CSCO	B	21	3/19/2011		0.2841
32328	CSCO	B	22	3/19/2011		0.278
32329	CSCO	B	23	3/19/2011		0.2792
32330	CSCO	B	24	3/19/2011		0.2797
32331	CSCO	B	25	3/19/2011		0.2821
32332	CSCO	B	12.5	4/16/2011		0.3792
32333	CSCO	B	15	4/16/2011		0.3656
32334	CSCO	B	16	4/16/2011		0.3536

Data file is imported along with an import file:

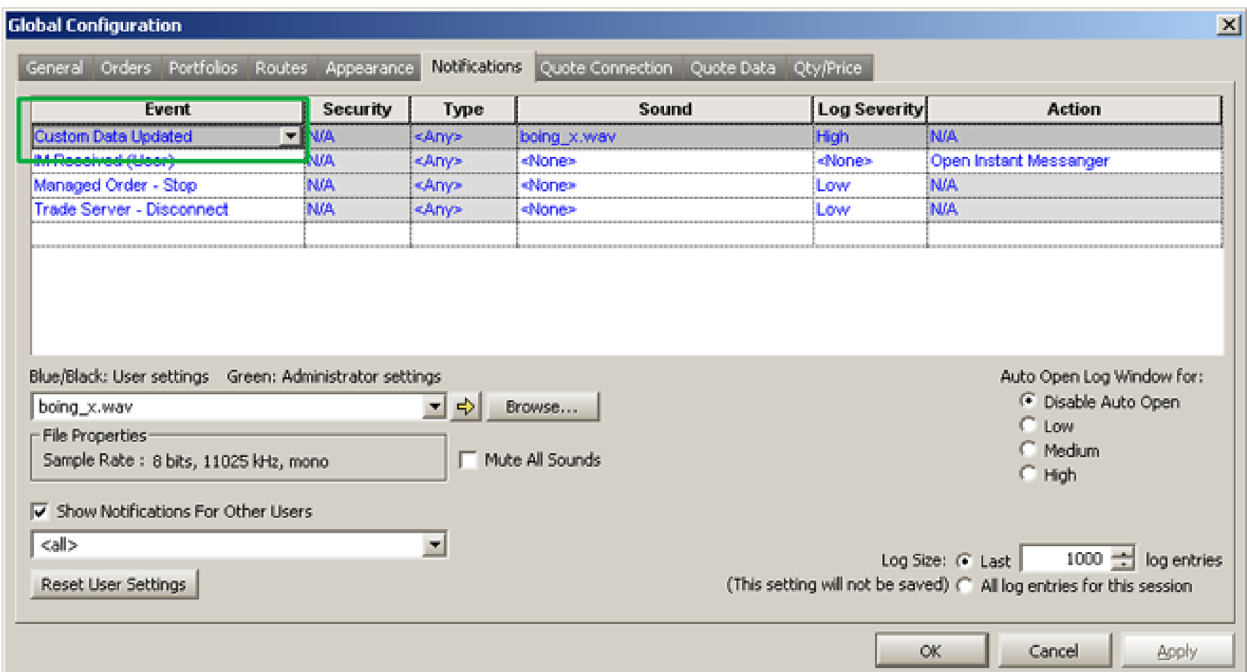


An "import from file" window displays the imported data (Strike, Expiration, and IVOL values are in place):



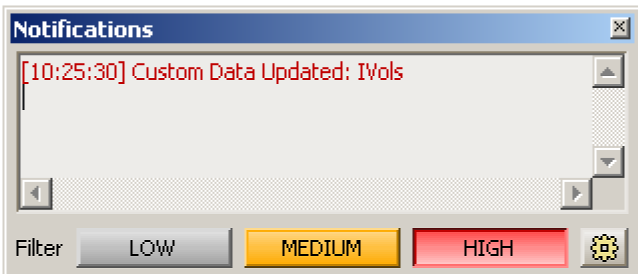
A new column, Custom IVol, is now available for various grids (in this example, the Option montage grid of Option Quote Cube):

A notification can be defined to alert the user when the source comma-delimited file has been changed:



After the change, a confirmation window asking if the source file should be reloaded is displayed:

A notification window is available to view when the custom IVol values have been changed and re-imported:



Custom IVol values that are stored in a comma-delimited source file can be imported into one of the various WTP grids where Options data is reported.

As seen in the workflow above, the source file is imported along with an **import file** (containing the relevant column headings). If no import file exists, it must be created and have its column heading defined.

Once imported, a new column **Custom IVol** must be manually added to the grid. The custom IVol values (multiplied by a factor of 100) are added to the Custom IVol column, matching the strike price and expiration date that is listed in the source file.

If a change is made to the source file after importing, a confirmation window will display asking if the source file is to be reloaded (i.e., re-imported).

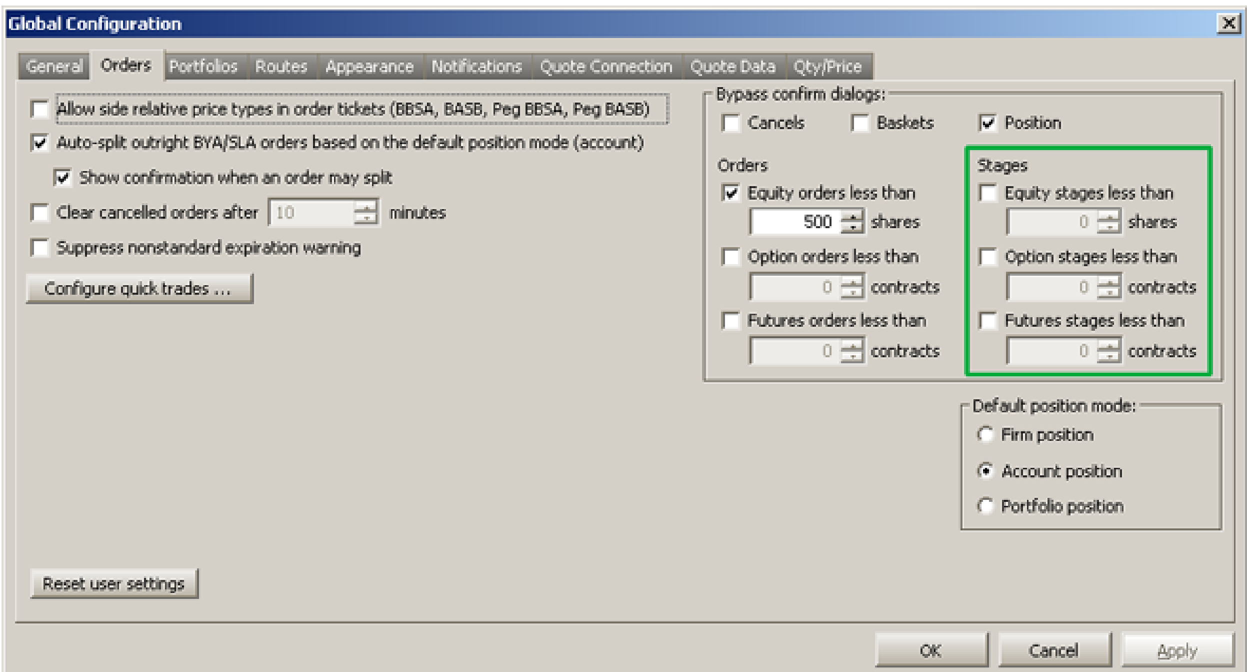
A notification can be setup whereby a notification window announces any custom IVol import changes (along with a sound, if defined).

13.2.78.0

January, 2011

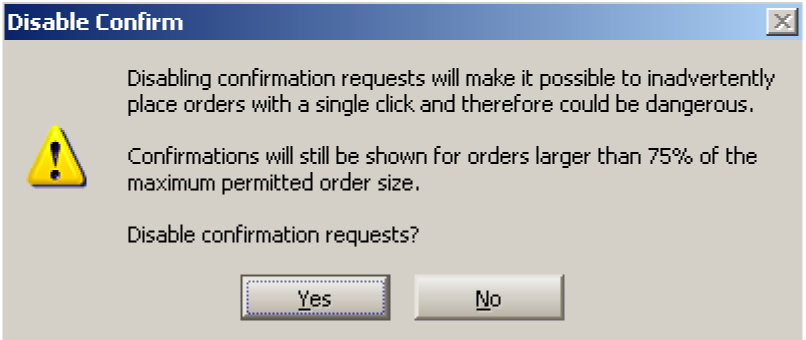
- [Bypass Confirmations for Staged Orders]
- [Alternating Expiration Colors in Option Quote Cube Montage Grid]

Bypass Confirmations for Staged Orders



In the **Orders** tab of **Global Configuration** staged equity shares, staged option contracts, and staged futures contracts can now have their confirmation messages disabled. If selected, no confirmation message will display for orders *less than* the amount entered.

A warning message will be issued if any order type is selected to bypass a confirmation dialog:



Alternating Expiration Colors in Option Quote Cube Montage Grid

Originally, alternating colors in the montage grid of **Option Quote Cube** referred to individual rows. Now, alternating colors can be configured by expiration dates.

Configuring alternating rows has not changed. See **Columns and Formatting** for more details.

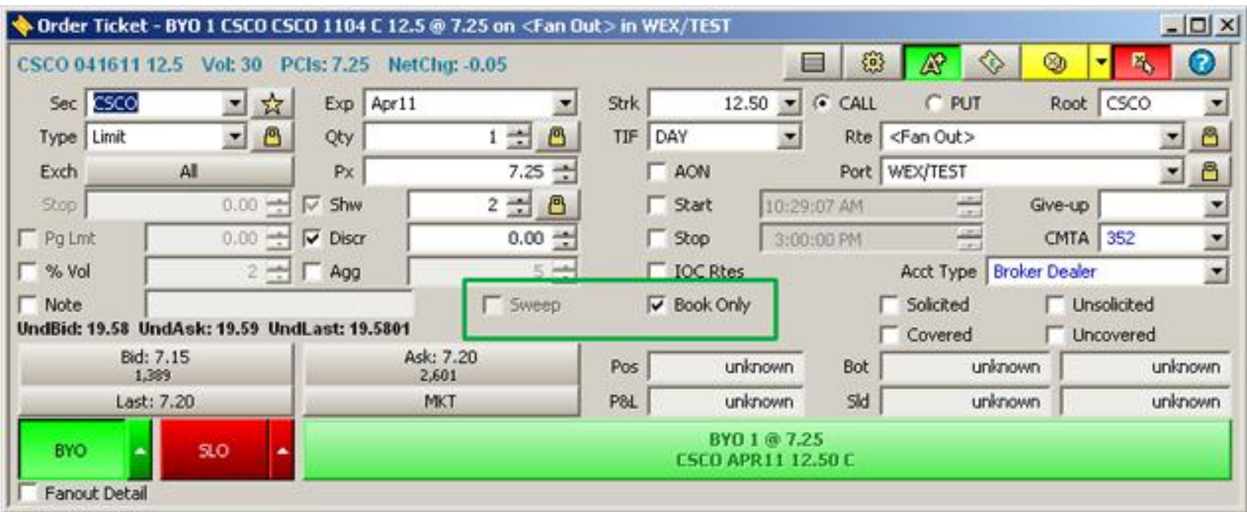
13.2.77.0

January, 2011

In this release:

- [Sweep and Book Only Added to Option Ticket]()
- [Volatility Chart Button Added to Spread Trader]()
- [Spread Ticket Launch Button Added to Spread Trader]()

Sweep and Book Only Added to Option Ticket

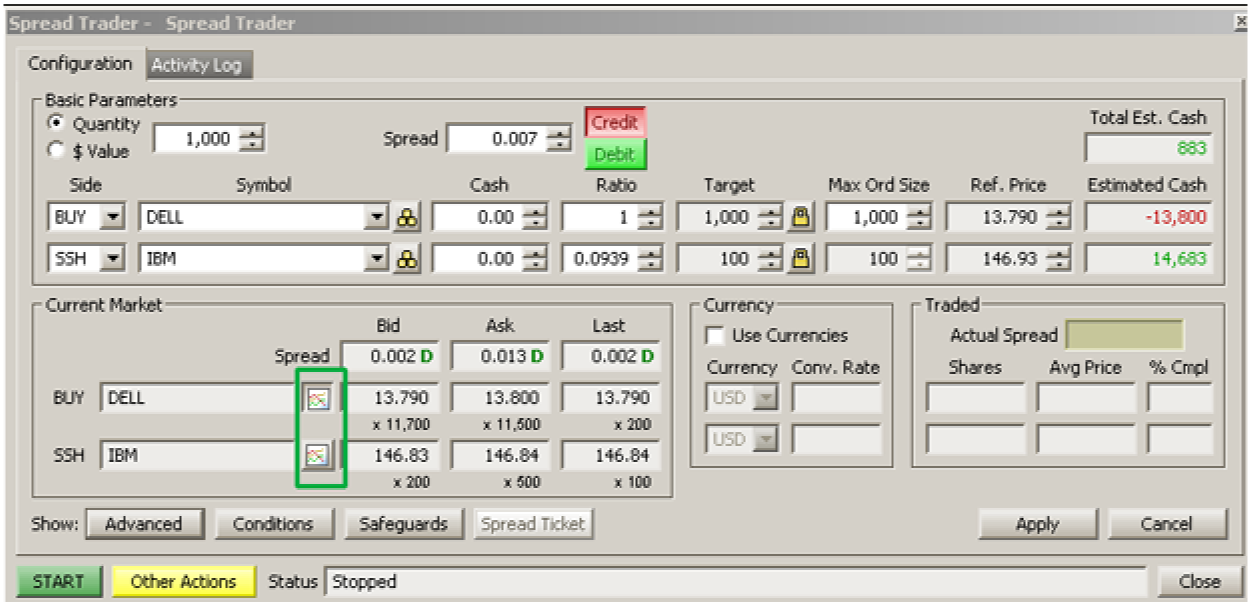


When the **Options Order Ticket** is in Advanced Mode, **Sweep** or **Book Only** can be selected:

- **Sweep—**When Sweep is checked, an exchange is instructed to route an order only to fast exchanges.
- **Book Only**—A limit order to buy or sell is executed in whole or in part. The portion not executed is posted in the Book without routing any portion of the order to another market center. When checking Book Only an exchange is ordered to not route an order out. Either the order will fill something currently on the exchange's book or it will remain on the exchange's book.

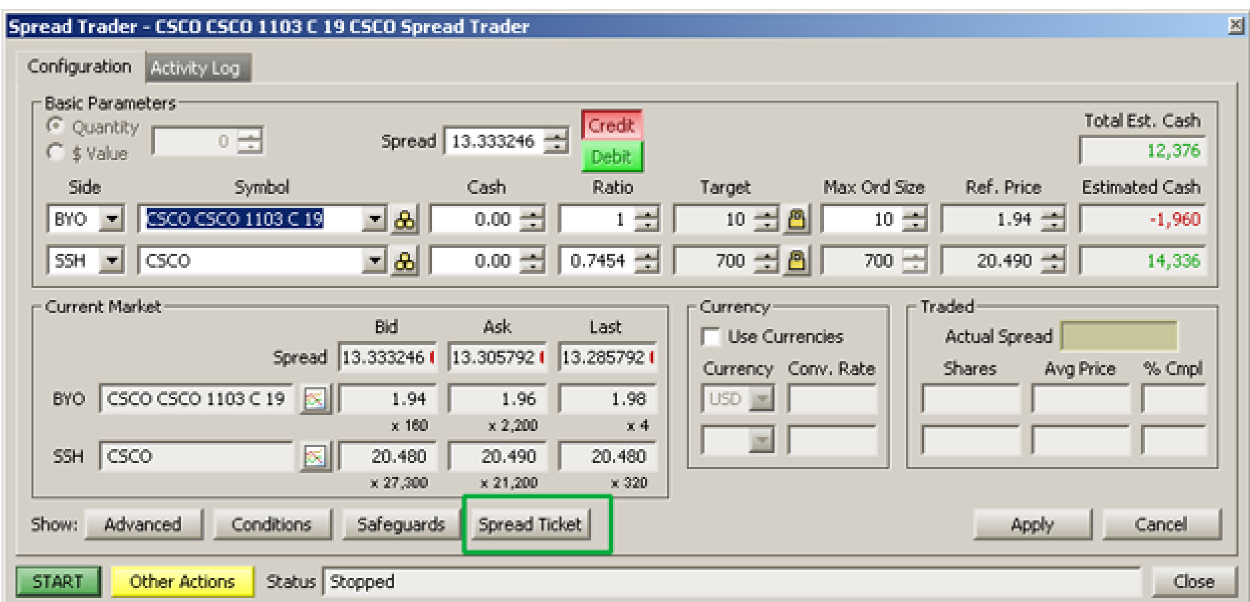
Note: Both client and route permissions are required to access the **Sweep** feature. The route permission alone is required for **Book Only**.

Volatility Chart Button Added to Spread Trader



Buttons have been added to **Spread Trader** that will launch the **volatility chart** when selected.

Spread Ticket Launch Button Added to Spread Trader



A launch **Spread Ticket** button has been added to **Spread Trader.**

In order for the button to be activated, the securities must be the same and, at least, one of the two has to be an option order.

In the above example, a symbol and expiration date were selected in **Option Quote Cube** and sent to the Spread Trader where the **Spread Ticket** button became available.

13.2.76.0

December, 2010

In this release:

- **Reverse Button Added to Spread Builder**

Reverse Button Added to Spread Builder

After selecting Reverse

A **Reverse** button has been added to **Spread Builder**. Press the **Reverse** button to reverse the side types of the legs (i.e., SLO becomes BYO and vice versa).

Greeks will adjust accordingly when selecting Reverse.

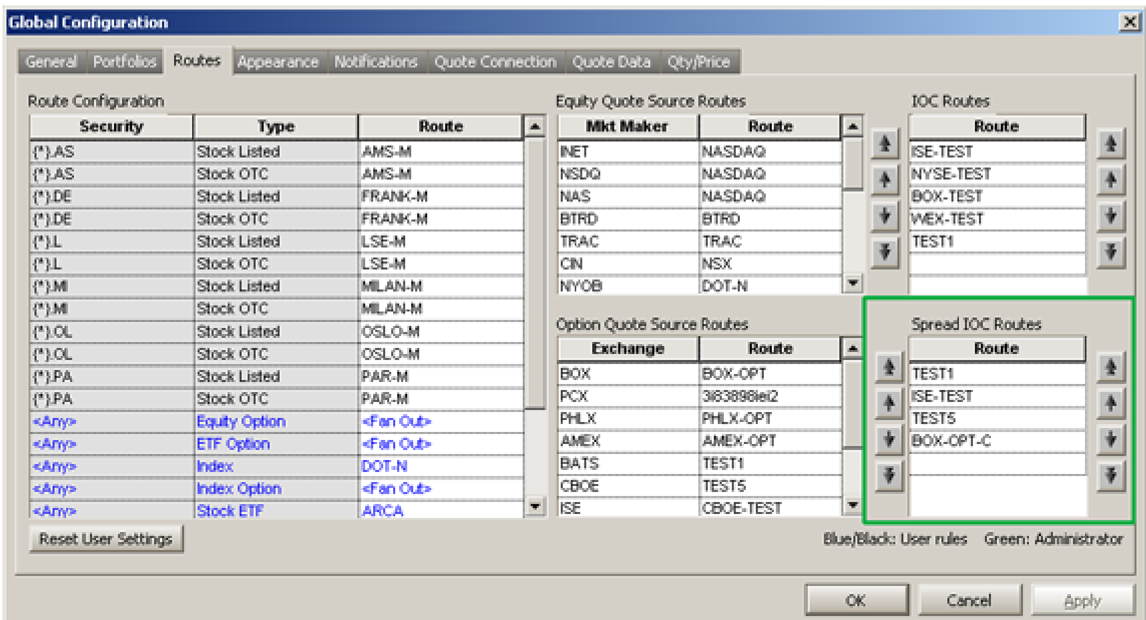
13.2.75.0

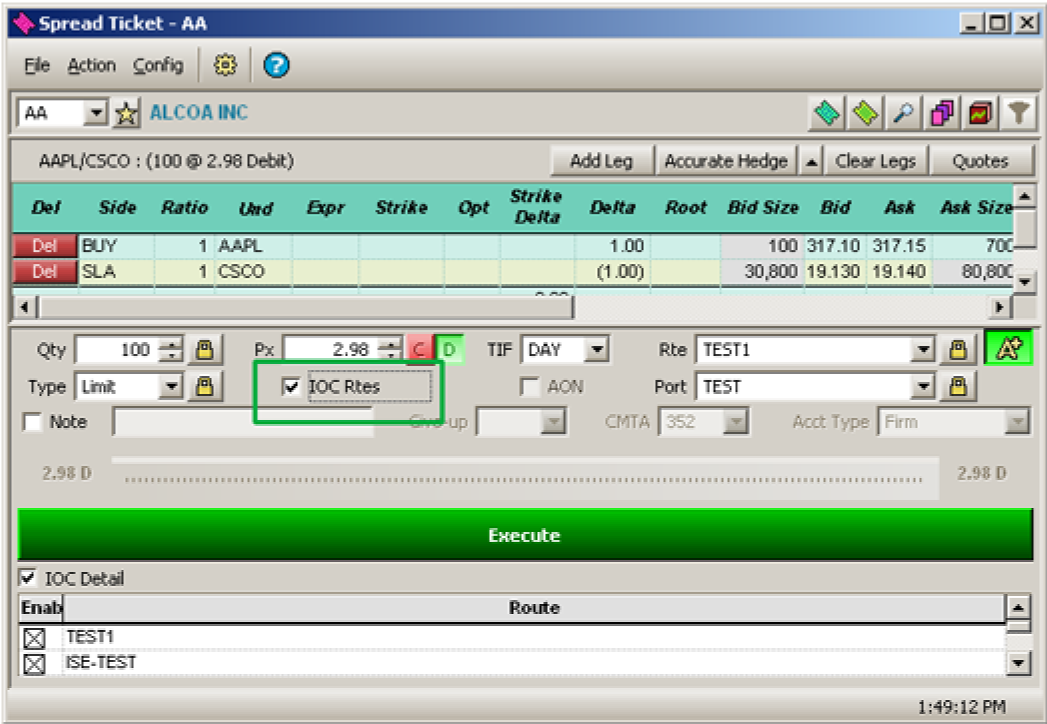
December, 2010

In this release:

- [IOC Routes Added For Spreads]
- [Buy/Sell Sides Added To Global Configuration]
- [Staged Order Notifications]

IOC Routes Added For Spreads



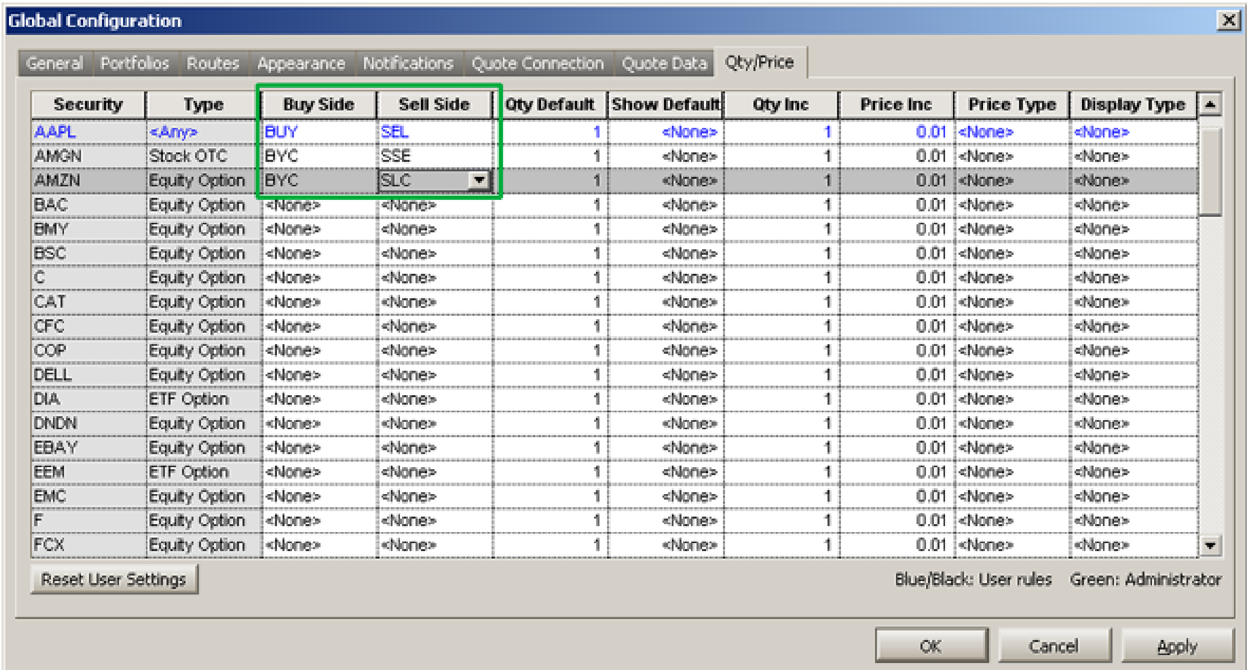


Spread IOC routes can now be configured under the **Routes** tab in Global Configuration.

After they're defined, IOC routes can be selected with the **Spread Ticket** (either standalone ticket, or the Spread Ticket in Spread Builder) in **advanced mode**.

When a spread order is sent with IOC routes, the **IOC Tracker** will open.

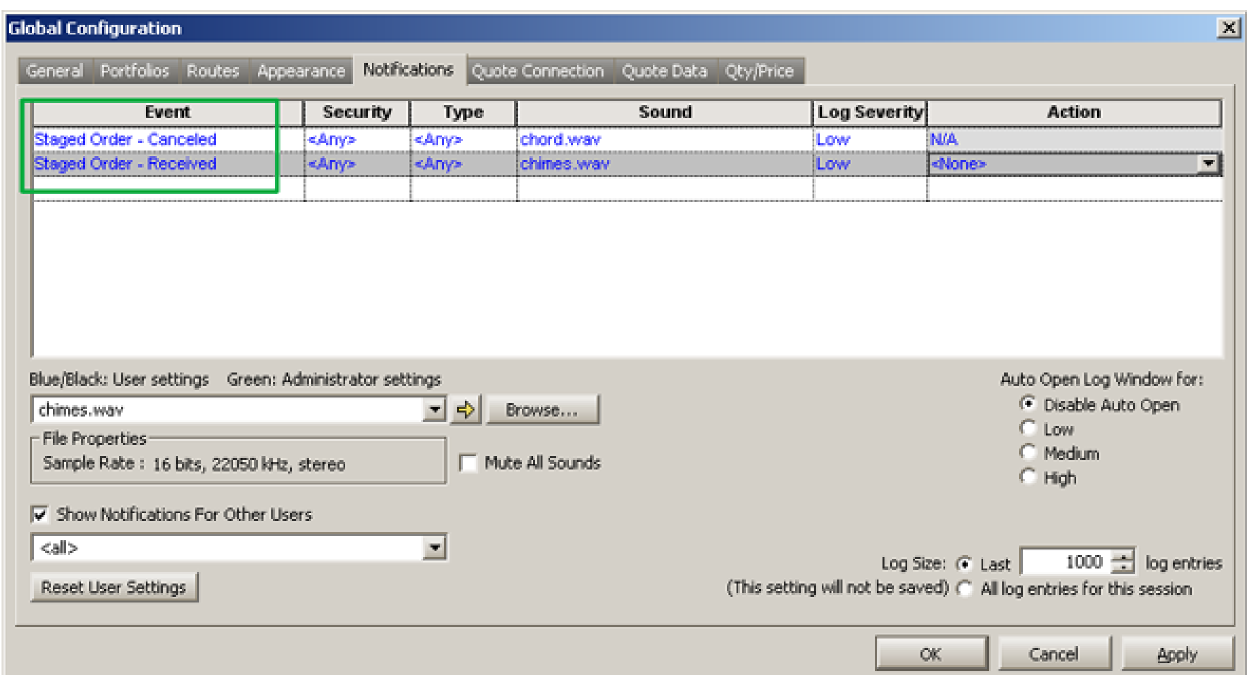
Buy/Sell Sides Added To Global Configuration



You can now specify buy/sell types for securities in the **QTY/Price** tab of **Global Configuration**.

Once set, the default side types will apply to orders placed in Order Tickets, Basket Trader, Spread Builder, Spread Viewer, and Vol Trader.

Staged Order Notifications



New event notifications **Staged Orders-Canceled** and **Staged Order-Received** have been added to Global Configuration under the **Notifications** tab.

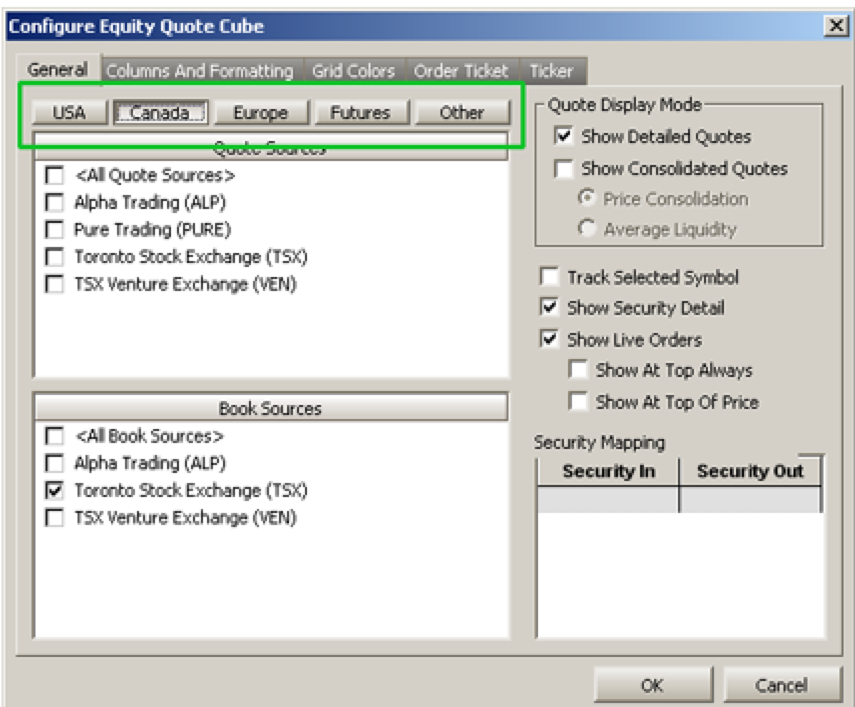
13.2.74.0

November, 2010

In this release:

- Canadian Quote/Book Sources Added to Equity Quote Cube
- Spread Basket Trader Now Available
- Multiple Option Tick Service In Global Config
- Column Filter Added to Position Grid

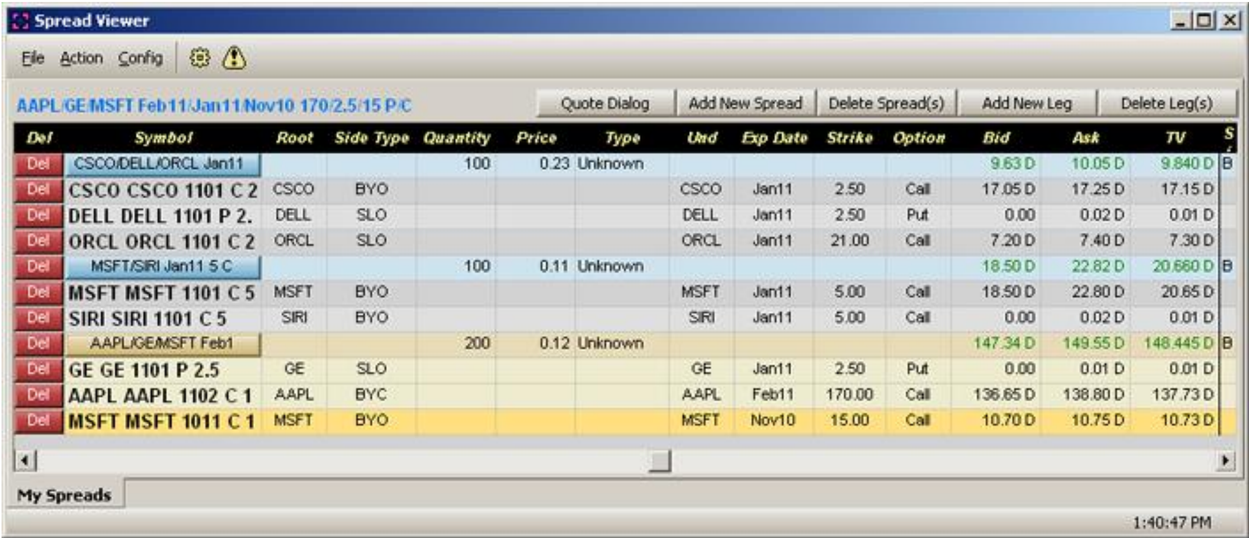
Canadian Quote/Book Sources Added to Equity Quote Cube



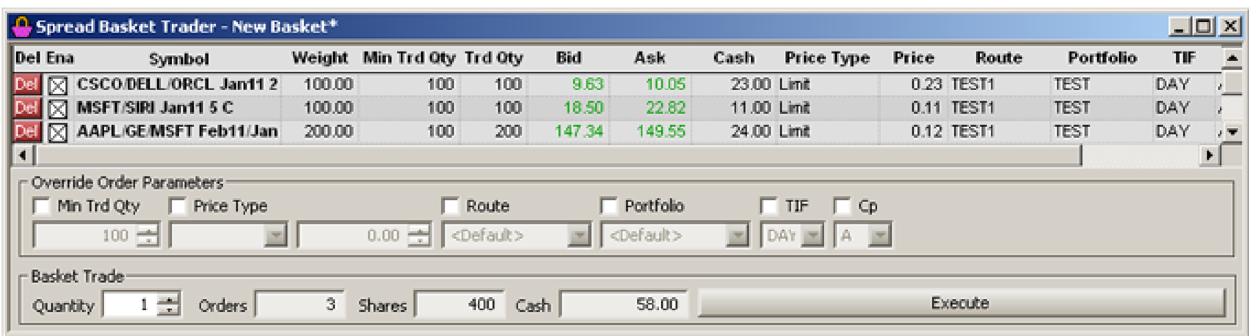
The **Equity Quote Cube** now supports Canadian book and quote sources such as the TSX Venture Exchange and the Toronto Stock Exchange.

The configuration page has been improved to allow the selection of quote/book/futures quotes from **USA, Canada, Europe, Futures,** and **Other** sources**.** Any or all may be selected.

Spread Basket Trader Now Available



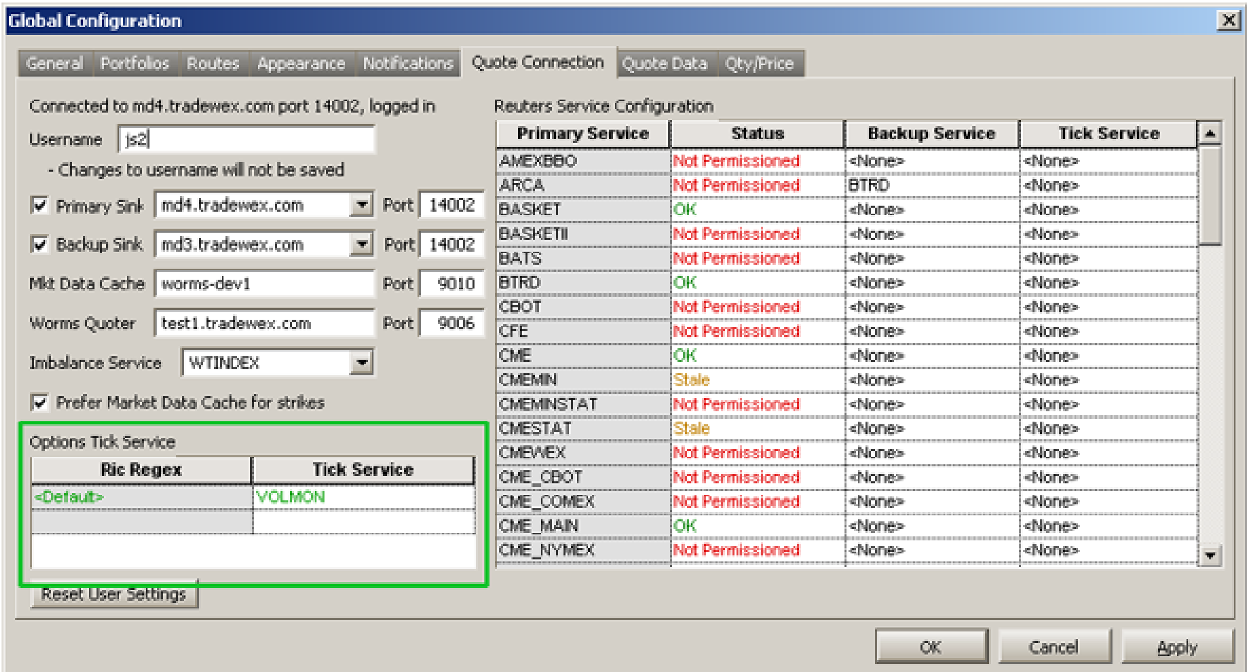
Spread Viewer sends its spreads to the Spread Basket Trader:



A new **Basket Trader** app called **Spread Basket Trader** is available via the **send to-->** menu function. Two new fields **Quantity** and **Price** have been added to **Spread Viewer** to facilitate the basket trade. This allows users to save their spreads with quantity and price data and have that information carried over into the basket.

Note: Spread Basket Trader is not a standalone WTP app. It is launched only with the **send to-->** command.

Multiple Option Tick Service In Global Config



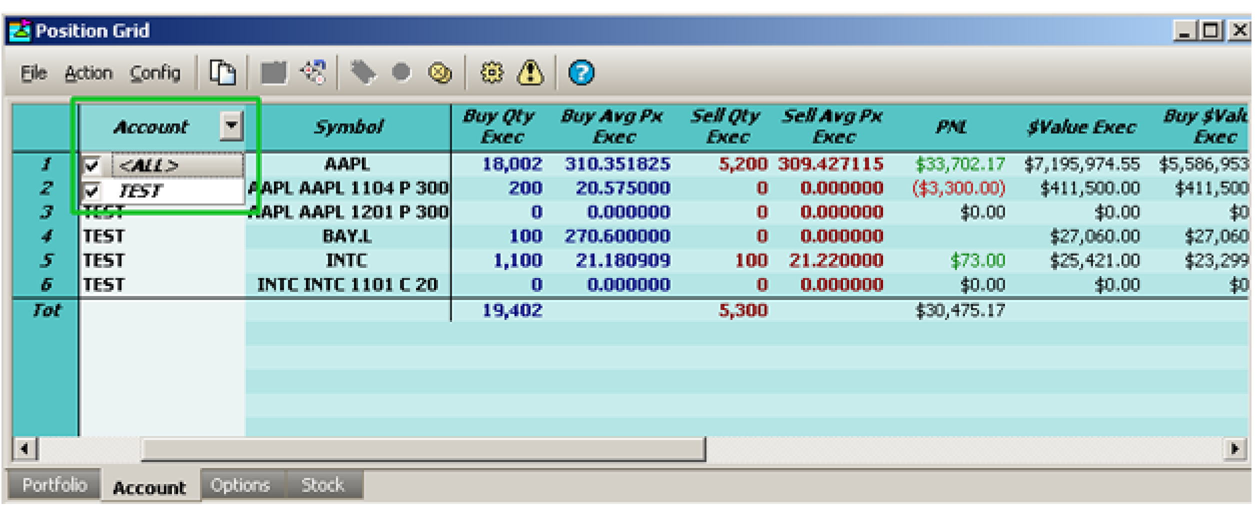
WTP can now receive ticks from multiple worldwide exchanges. In **Global Configuration** under the Quote Connection tab is a new two-column grid titled **Options Tick Service.**

The first column **Ric Regex** (**R**euters **I**nstrument **C**ode, **Reg**ular **Ex**pression) is where an expression is entered. This will be either **<Default>** or a security's ticker symbol and its exchange.

For example: **MSFT.N** refers to Microsoft on the New York Stock Exchange. The same security on the London Stock Exchange is written **MSFT.L**. Wildcard characters may also be used in defining an expression (example: **.*\L**).

Once a RIC Regex expression is defined, select a tick service from the drop-down menu.

Column Filters Added to Position Grid



Column filters have been added to the following columns in **Position Grid**:

- Account
- Firm
- Portfolio
- Security
- Security Type
- Staged Order
- Wave

For each filtered column, check the data to be displayed in the column head's drop-down list.

Contact Information

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