Release Notes
FutureSource 4.1
October 1, 2014

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1 Preface

This document outlines the key new features, functionality and content included in FutureSource 4.1.

All screenshots are examples for illustration purposes only. The exact layout and display may vary depending on Individual workspace customization.

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Release Notes Style Convention

- **Bold blue phrases** with pipe signs (|) denote a **menu** command, either from the main FutureSource drop-down navigation menu or through a contextual right-click menu in a certain window.

- **Bold black words** are used for emphasis in the text.

- Terms in quotation marks refer to a specific feature of the system.

2   Top New Content & Functionality

Some of the top enhancements of the new version include the following.

Functionality

ZE Data Warehouse Integration

FutureSource has been integrated with the ZE Data Warehouse Server. ZE is the global leader in enterprise data management (www.ze.com). Data sources and Forward Curves within the ZE Data Warehouse can now be used within the FutureSource technical analysis platform, bringing together real-time data, 3rd party data and client proprietary data in one view and workflow.

Charting – Statistical values in chart header

You can now see the min, max, average and standard deviation values for the visible chart data.

Charting – Statistics Chart Study

A new study, Statistics, is now available in the list of studies. This study will display the average, as well as +/- 1 and 2 Standard Deviations.

Charting – Volume at Price

A new study, Volume at price, is now available in the list of studies.

Grid – Cell Referencing

Relative cell referencing is now available in addition to absolute referencing

Grid – Conditional Coloring

You can now easily have your font color be based on market conditions

Grid – Symbol linking

Symbol linking is now available to the Grid, allowing for linking with the Watchlist.

Trade Integration – Trade Manager Ornaments

New ornaments that show order size, amount filled, amount remaining or any combination of the three.

Trade Integration – New Short Order Window

A new order window has been added that allows the user to quickly create order tickets and enter trades. It is a scaled down version of the main order window.

3   Details of New & Enhanced Functionality

3.1   ZE Data Warehouse Integration

ZE is a global leader in enterprise data management. The ZEMA Suite is a software solution for data, analytics, and integration for energy, commodities, and financial markets.

The FutureSource desktop can now sit on top of the ZE Data Warehouse and provide users with a feature rich visualization platform for 3rd party data and client proprietary data.

3.2   Framework Functionality

3.2.1   Import/Export Time Templates

Users can now Import/Export chart time templates to easily share them with users. Additionally you can now import time templates from FutureSource 3.x version into 4.x Versions.

3.2.2   Import FutureSource 3.x Expression Shortcuts

Users can now import an expression shortcut file from FutureSource 3.x, to facilitate the upgrading from the FutureSource 3.x Thick client to the new FutureSource 4.x Web Client.

3.2.3   Symbol Search

You can now limit your search results to only those sources you are entitled. This is done by using the **checkbox within the search dialog**.

3.3   Charts

Many new areas of functionality have been added to the Chart window, they include:

- Statistical Chart Headers
- Statistics Study
- Price at Volume Study

3.3.1   Statistical Chart Headers

Users can now add statistical values to the chart header display. This is done by using the **chart headers settings** on the **context menu**. This will display the Min, Max, Average and Standard Deviation for the visible chart data.

3.3.2   Statistics Chart Study

A new study that will draw lines for the Average and the +/- 1 and 2 Standard Deviations for the visible chart data

3.3.3   Price at Volume Study

A new study that overlays a histogram of relative volume traded at price points as they are displayed on the chart. The histogram dynamically updates as the chart range is changed showing peaks and troughs of volume at different price levels.

3.4   Watchlist

New areas of functionality have been added to the Watchlist window, they include:

- Field Grouping

3.4.1   Field Groups

There is now an alternate view for the customize headings dialog. Fields will be grouped into different categories making it easier to identify data points.

3.5   Grid Window

Many new areas of functionality have been added to the Grid window, they include:

- Relative cell referencing
- Symbol Linking

3.5.1   Relative Cell Referencing

In addition to absolute cell referencing users can now utilize relative cell referencing allowing for grids to be built out quicker and more dynamic.

Examples:

- #A1 – Both Col & Row are Relative
- #$A1 – Col Absolute, Row Relative
- #A$1 – Col is Relative Row is Absolute
- #A1 – Both Col and Row are Absolute

3.5.2   Symbol Linking

You can now symbol link from the Watchlist to a specific cell in a Grid. The syntax to create a symbol link is=#SYMBOL

Interactive Data

3.6   Data Table

New areas of functionality have been added to the Data Table, they include:

- Customize visible columns

3.6.1   Customize visible columns

A new dialog is now available to customize the visible columns within the data table. This is done by accessing **Add/Remove Fields** from the **Context Menu**.

3.7   Account Manager

Many new areas of functionality have been added to the Account Manager, they include:

- Added the Average Price column to the default Orders tab
- Added the Duration column to the default Executions tab
- Added Cancelled Orders to the Orders tab as a filterable type
- Grouped OCO/OPO now share order details of entire group

3.7.1   Added the Average Price column to the default Orders tab

The average price received from a group of market orders will now be displayed next to Limit Order and Stop Order Prices.

3.7.2   Added the Duration column to the default Executions tab

The Duration set in an order ticket can now be filtered in the Execution Tab.

3.7.3   Added Cancelled Orders to the Orders tab as a filterable type

The orders tab now allows you to filter by cancelled orders, in addition to Active, rejected, and filled.

3.7.4   Grouped OCO/OPO now share order details of entire group

By clicking on the details of any member of an OCO/OPO group you will now receive all of the details of the entire group.

3.8   Trade Manager

New areas of functionality have been added to the Trade Manager, they include:

- Trade Manager Ornaments

3.8.1   Ornaments

Ornaments have been improved to show order size, amount filled, amount remaining or any combination of the three.

Interactive Data

3.9   Short Order Window

A new order window has been added that allows for users to quickly create order tickets and enter trades. The Short Order Window populates the Order Ticket for verification or modification.

4 Fixes

The Following fixes and performance enhancements are included in FutureSource Web 4.0:

- **Account Manager**
    - o 32193 – Description column not always populating
    - o 30631 – Filter pane navigation
- **Chart**
    - o 32747 – Performance improvements with many analytics
    - o 32745 – Issue with Annual functions
    - o 33151 – First point visible on Forward Curve
    - o 33609 – Fixed Tab Label
    - o 33209 – Trendline visible after rescaling
- **External Data**
    - o 30527 – Manual Refresh Option
    - o 30510 – Hide Gaps option in Charts
    - o 30511 – Files with Dates & Prices of Zero
    - o 30309 – Spaces in Symbol names
    - o 30310 – Use of External Data in mixed expressions
    - o 28566 – Alerts with External Data
    - o 30514 – Intraday Data Issues
- **Futures Options**
    - o 33205 – Additional tabs shown proper number of strikes
- **Grid**
    - o 31401 – Expiration Date Field included Time
    - o 33258 – External Data inside Grid Window
    - o 31598 – Reattach popped out window to workspace
    - o 31601 – Cell Alignment option selected
- **Trade Manager**
    - o 32915 – Ornament display
    - o 32150 – Apply defaults to new order
    - o 30103 – Dragging order ornaments
- **Watchlist**
    - o 32472 – Text not visible in some color themes

  o   33613 – Show symbol as description with Month & Year

5 System Requirements

5.1   Operating System & Browser

- Windows XP, Vista , W7 or Windows 8
- Internet Explorer 6 or higher, Mozilla Firefox 3 or higher, Apple Safari for Windows 3.2 or higher
- Google Chrome is unofficially supported at present

5.2   Java

- Minimum: Java Version 1.5
- Recommended: Java Version 1.6.10 or **Greater**
  - o NOTE: Issue with Java Versions 1.6.24 to 1.6.25 have been detected on some isolated client systems.

5.3   Other Requirements

- Cookies Enabled
- Pop-Up Blocker Disabled for Login.FutureSource.com URL

Interactive Data