

Release Notes

**FutureSource 4.4.1**

September, 2016

## Table of Contents

1	Preface	3
2	Top New Content & Functionality	4
3	Details of New & Enhanced Functionality	5
3.1	Currency & Unit of Measure	5
3.2	Charts	5
3.2.1	Heikin Ashi Candlestick	5
3.2.2	EOX Forward Curve Expansion	6
3.2.3	Triple Moving Average	6
3.2.4	Symbol Linking Within Chart Tabs	6
3.2.5	Slow Stochastic	6
3.2.6	RSI	6
3.2.7	Snap Option	6
3.2.8	Fibonacci Retracements	6
3.3	OptionSource	6
3.3.1	Position Pane Titles	6
3.4	Option Calculator	6
3.4.1	Option Volatility Input	7
3.5	Framework	7
3.5.1	Email Window Image	7
3.5.2	Formatting Customization	7
3.6	Account Manager	7
3.6.1	New Columns	7
3.6.2	New Filters	7
3.7	Trading Feature	8
3.7.1	Additional chart markers	8
4	Fixes	8
5	System Requirements	10
5.1	Operating System & Browser	10
5.2	Java	10
5.3	Other Requirements	10

# 1 Preface

This document outlines the key new features, functionality and content included in FutureSource 4.4.1.

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

The information contained in this document shall not be deemed as financial advice, consultancy or express warranty or warranty of fitness for a special purpose. ICE Data Services will not be liable for any inaccuracy or incompleteness of the information or data supplied with this document.

This document contains confidential information and is provided exclusively for the information of the recipients. It may not be copied or distributed to any third party.

## 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.

### ***Currency & Unit of Measure Conversion***

Easily analyze information in a different currency or unit of measure. This functionality is available within many of the quote and chart windows.

### ***Heikin Ashi Candlestick charting***

Heikin Ashi candlestick is now an available chart plot style.

### ***EOX Forward Curve expansion***

Continuing to expand our EOX coverage, you can now access all 3 power curve categories; Fixed Prices, Heat Rates and ATC.

### ***Symbol Linking Expansion***

You can now symbol link to tabs within the chart window.

### ***Email Window Image***

You can now generate an email directly from FutureSource. This new menu option will open a new email message in your default email client, and attach a picture of the active window.

## 3 Details of New & Enhanced Functionality

### 3.1 Currency & Unit of Measure

Easily analyze information in a different currency or unit of measure through a dynamic menu workflow.

The unique workflow allows for:

- Application default settings
- Window level default settings
- Individual settings

**Application Defaults** can be set within the **currency and unit section** in the **main application preference dialog**.

**Window Defaults** can be set with the **conversion section** in the windows **display properties window**.

**Individual Symbols** can be set from the **context menu** within the applicable windows.

See Help files for unique workflow available within charts and watchlist

### 3.2 Charts

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

- Heikin Ashi candlestick
- EOX curve expansion
- Triple moving average
- Symbol linking to tabs
- Slow Stochastic
- RSI
- Snap option
- Fibonacci Retracements

#### 3.2.1 Heikin Ashi Candlestick

Heikin Ashi candlestick is now an available plot style within the chart window.

### 3.2.2 EOX Forward Curve Expansion


You can now access additional EOX forward curve categories:

- Fixed Prices
- Heat Rates
- ATC

### 3.2.3 Triple Moving Average

The triple moving average study is now available.

### 3.2.4 Symbol Linking Within Chart Tabs

You can now have symbol linking apply to all chart tabs within the chart window. There is a new link toggle  to enable/disable this additional symbol linking.

### 3.2.5 Slow Stochastic

There is now an option to display overbought/oversold Lines.

### 3.2.6 RSI

Additional calculation aspects are now available for the RSI.

### 3.2.7 Snap Option

There is not an option to enable/disable the snap function applying to study points in addition to price points.

### 3.2.8 Fibonacci Retracements

There is now an option to extend Fibonacci Retracement lines into the past.

## 3.3 OptionSource

New areas of functionality have been added to OptionSource, they include:

- Position Pane Titles

### 3.3.1 Position Pane Titles

You can now use title rows within the position pane. Syntax for Title Row is:

#<SomeName>

## 3.4 Option Calculator

New areas of functionality have been added to the Option Calculator, they include:

- Option Volatility Input

### 3.4.1 Option Volatility Input

You can now have a user defined Volatility used in your calculations.

## 3.5 Framework

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

- Email Window Image
- Formatting Customization

### 3.5.1 Email Window Image

You can now initiate an email from a window in FutureSource. Select **Send Image by Email** to start an email with the window image attached.

### 3.5.2 Formatting Customization

There are many new preferences to format various data within FutureSource. Areas that can be customized include:

- Date Format
- Time Format
- Decimal & Dollar Display
- Percent Format
- Test Display Alignment

## 3.6 Account Manager

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

- New columns
- New filters

### 3.6.1 New Columns

The following new columns are now available within the Account Manager window:

- Account Number - Available within orders, positions and executions tab
- Average Price - Available in Executions tab

### 3.6.2 New Filters

The following new filters are now available within the Account Manager window:

- Currency code - Positions and accounts tab
- Status - Executions tab

## 3.7 Trading Feature

New areas of functionality have been added to the trade integration, they include:

- Additional chart markers

### 3.7.1 Additional chart markers

There are new markers that can be displayed within the chart:

- Bid/Ask Lines
- Positions
- Orders
- Executions

## 4 Fixes

The Following fixes and performance enhancements are included in FutureSource Web 4.4.1:

- Account Manager
  - 377 - Context menu placement
  - 43 - Printed copy missing category
- Alerts
  - 39 - Using symbol with news alerts
- Chart
  - 728 - Issues with #V-ICE symbols
  - 501 – Bar painting issue
  - 65 - Using expression in correlation study
  - 617 - Total P/L on closed position color coded
  - 825 - Issue using #IN symbol
  - 32 - Displaying expired futures options history
  - 794 - Some spread symbols not loading
- Data Table
  - 137 - Direct entry of date for copy
- Detailed Quotes
  - 243 - Context menu issue with XD@ symbols
- External Data Framework
  - 436 - Issue changing price display format
  - 437 - Issue casting fraction prices to another format
  - 24 - Support Excel files created in 64 Bit
  - 394 - Copying symbol setup
  - 265 - Library export includes override and default fields



- 393 - Using Int type override
  - 395 - Time zone offset not working
  - 703 - Refreshing forecast data
- Framework
  - 126 - Renaming expression shortcuts
  - 143 - Closing display properties with ESC key
  - 646 - RTD reconnect after disconnect
- Futures Options
  - 75 - Changing background color in MMM
  - 84 - Font size changing
  - 77 - Column widths persisting
  - 80 - Copied out window filter
  - 110 - Header alignment
  - 97 - Displaying negative strikes
  - 81 - Printing MMM
  - 112 - Saving column width
  - 660 - Sorted strike price filter
  - 76 - Drag and drop from MMM
  - 69 - Display of alert flag
- Spread Matrix
  - 714 - Up/down settings unreadable
- Trading
  - 285 - Show last connection
  - 232 - Apply theme color
  - 148 - Additional confirm dialogs
  - 383 & 607 - Color coding positions
  - 596 - Handling invalid qtys
  - 100 - Showing average price marker
  - 293 - Displaying change order price
  - 132-134 - Displaying modified orders notifications
  - 104 - Applying default settings
  - 271 - Improved visibility in graphite theme
- Grid
  - 123 - Inserting additional rows
  - 666 - Border adjusting to inserted rows
- Watchlist
  - 88 - Displaying buffer column
  - 439 - Drag and drop of EOX curves
  - 418 - Create expression shortcut

- 176 - Displaying previous net change
- 569 - Displaying month name

## 5 System Requirements

### 5.1 Operating System & Browser

- Windows 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

### 5.2 Java

- Minimum: Java Version 1.5
- Recommended: Java Version 1.6.10 or **Greater**
  - 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