

**Release 8.6.3 (6/2/2026)**

- 5/24/2026 Fixed problem with deleting Coinbase sim accounts
- 5/24/2026 Fixed problem with adding new Simaccounts for Coinbase and auto updating the account drop
- 5/26/2026 Added feature to Strategy Builder so you can build replicator strategies and included 2 sample

**Release 8.6.2 (5/7/2026)**

- 4/20/2026 Updated Rithmic environments (17.90)
- 4/21/2026 Fixed Position Calc issue when coinbase doesn't have enough fills to force sync a position (or fl
- 4/21/2026 Added lastprice= 0 protection in breakeven and trail,
- 4/23/2026 Fixed partial fill handling reporting a fill when order already is fully filled (i.e. if fillQ == 0 skip th
- 4/24/2026 Fixed Refresh issue with Rihmic and BalanceCancelled orders not being included.
- 4/24/2026 Fixed AccountManager calc to include Cancelled orders with filled Quantity > 0, i.e. Balance Ca

**Release 8.6.1 (4/7/2026)**

- 11/14/2025 Added a TicksPerSecond alert option that can be drawn as a histogram and generate alerts if tl
- 1/3/2026 Added Backend status item to main login window
- 1/7/2026 Added Coinbase derivates integration
- 1/7/2026 Added support for 24-7 trading
- 1/19/2026 Change the Strategy Builder symbol replace to allow null "from" symbol that forces uncondition
- 2/3/2026 Fixed stopLimitTicks in order new being set and remaining at 0.
- 2/6/2026 Changed Account Manager to support multiple live backend connections
- 2/9/2026 Fixed orderbook issue where price updates could cause gaps at the end of the depth
- 2/10/2026 Fixed problem with Rithmic not kicking off data download if price feed login is slow
- 2/15/2026 Fixed problem with Drawing volume profile bars where there is price gaps, drawbackground di
- 2/16/2026 Added BWInstance selection option to order strategies
- 3/5/2026 Added IsRefreshing filter on EvaluateOpenOrderBehaviors to avoid order cancels etc while pos
- 3/15/2026 Added support for multiple backend connections using different data servers.
- 3/30/2026 Fixed issue with Bar Cache files when there are no underlying study results

**Release 8.5.3 (11/4/2025)**

- 10/24/2025 Fixed T4 not connecting to new data servers
- 10/24/2025 Removed Chart strategy action processing from playing sound since it already played once.
- 11/4/2025 Added "Disable Sound" check box to SB Execute windows.
- 11/4/2025 Added protection for SB Execute to avoid loading a blank strategy
- 11/4/2025 Quick bar based backtesting, first version

**Release 8.5.2 (9/9/2025)**

- 4/7/2025 Fixed Race condition with CQG Web execution getting ahead of price logon.
- 4/15/2025 Fixed re-connect problems with refresh on CQGWeb execution
- 4/24/2025 Fixed issue with setting original time stamp on live orders after refresh

- 6/19/2025 Added TaskScheduler exception handling
- 6/25/2025 Fixed race condition between Refresh and processing the CQG Accounts report
- 7/23/2025 Fixed problem with Sim session carrying open positions into next session
- 7/24/2025 Added All recent Rithmic connection points
- 7/28/2025 Fixed order completed time to use last fill time if available so we can handle back test fills core
- 7/31/2025 Removed playing sounds when Quick backtesting
- 8/3/2025 Added price re-subscribe filter to CQG to skip weekends.
- 8/8/2025 Increased account sync time to 60 seconds after fill to avoid too frequent syncs, large account:

#### **Release 8.5.1 (3/28/2025)**

- 1/25/2025 Changed strategy initialize to run on background thread to avoid locking up the MainThread/U
- 1/25/2025 Added exception handling when displaying Chart or SBExecute window (.Show() Exception)
- 2/4/2025 Added AccountBalance override for CQG accounts
- 2/13/2025 Updated CQGWeb API from WebAPI\_1 to WebAPI\_2 and updated protobuf to latest version.
- 2/18/2025 Made Account Manager Modeless so we can keep it up and added Account performance section
- 2/24/2025 Locked the entire ChartDataOptions settings section in Chart Properties when chart is locked.
- 2/28/2025 Implemented CQGWeb Order Routing using WebAPI2
- 2/26/2025 Added exception protection around MouseMove
- 3/1/2025 Fixed CQG tick download request getting stuck if logon fails, and hanging the app.
- 3/7/2025 Added threadshift after CQGWeb backfill download to unblock the CQGWeb thread while creating
- 3/15/2025 Updated all Nuget packages to latest version
- 3/16/2025 Added force bar purge to edu server and removed the day of week limitation to get more aggressive
- 3/18/2025 Added Rollover support for execution symbol on Active Strategies.
- 3/21/2025 Removed the TA quick order strategy filter
- 3/27/2025 Fixed Account Balance calculation for sim and live accounts

#### **Release 8.4.3 (1/22/2025)**

- 10/17/2024 Added App level unhandled exception handlers.
- 11/7/2024 Added Backfill Time Adjustment to properties
- 11/7/2024 Added backfill time adjustment to CQG basetime when to handle daylight savings adjustments
- 12/12/2024 Added additional exception handling when playing sounds
- 1/16/2025 Added exception handling when building Account Manager structure.
- 1/16/2025 Fixed bug in Account Manager when adding symbol during tree build

#### **Release 8.4.2 (10/10/2024)**

- 8/27/2024 Fixed problem with RestartBarsAtDayStart for Daily charts not starting the rebuild
- 8/27/2024 Fixed problem with Daily bars (86400) creating an extra bar after rebuild
- 8/29/2024 Fixed Problem with SimpleMovingAverage embedded calc (used Stochastics, MACD etc) not working

#### **Release 8.4.1 (7/22/2024)**

- 6/9/2024 Fixed backfill re-download to skip same backfill downloads within 300 seconds
- 6/9/2024 Added UseServerSideData option to turn off Bluewater backfill and just rely on Backend data source
- 6/9/2024 Added Backend data solution to pull tickdata from backend and generate data server file type

6/9/2024 Added CQG, Rithmic and GAIN TickData download and data file processing

#### **Release 8.3.5 (5/20/2024)**

2/28/2024 Upgraded Rithmic.NET API to 13.2.0.0  
3/2/2024 Added Rithmic connection points for Apex, FundedFuturesNetwork, TradeFundrr, TheTradingF  
3/7/2024 Added Projection Trader charts and permissions  
3/26/2024 Added timer to Sounds to force a restart in case the media ended event gets lost and we get o  
5/6/2024 Changed intuality so study signals are tradable on the underlying symbol  
5/19/2024 Fixed problem with strategies in Replay not ending prepare stage

#### **Release 8.3.4 (2/12/2024)**

1/11/2024 Added fix for Rithmic AutoLiquidation order with null UsrMsg  
2/12/2024 Updated Splashtop

#### **Release 8.3.3 (9/30/2023)**

8/14/2023 Added limit to maximum running Intuality Instances  
8/14/2023 Added Daily trading using ConsciousEventPeriod  
8/24/2023 Added Zero line to regression study (CCI Zero)  
8/24/2023 Changed min CNFT Rotations volume to 0  
8/25/2023 Added CrissCross Levels  
9/8/2023 Fixed issue with "Use Continuous" unchecked during rollover (wasn't getting intraday backfill)  
9/14/2023 Change General Alerts list so it shows sorted  
9/28/2023 Intuality updates and new defaults

#### **Release 8.3.2 (7/26/2023)**

5/29/2023 Added protection in BWSounds for MediaEnded event firing more than once causing crash  
7/5/2023 Fixed Sounds ReadXML to also update the ViewModel and updated window title.  
7/5/2023 Fixed problem with execution properties color setting not working  
7/5/2023 Fixed problem with Volumestatics histogram not coloring below S2 correctly.  
7/14/2023 Fixed issue when sound file doesn't exist or is blank gets sounds stuck.  
7/19/2023 Fixed issue with ZT tick size in BW database

#### **Release 8.3.1 (3/24/2023)**

1/30/2023 VS2022 release with new redistributable  
2/14/2023 Fixed problem with completed orders with same timestamp and how we make the timestamp  
2/15/2023 Adjusted drawing tools shape selection to be more precise.  
2/16/2023 Changed Rithmic login to user Pricefeed username/password for the price connection  
2/20/2023 Fixed F1 split issue (adjust when session shift occurs in bar collection)  
2/21/2023 Fixed problem in TradeInterOpCLR with OrderUpdate, added check if orderID already exists to  
2/26/2023 Fixed problem in ClientMessageData when new permission is added, was causing exception th  
3/1/2023 Added Kalman filter incl. unscented Kalman  
3/14/2023 Force new bar on session open (for all bar types)

3/14/2023 Adjsted replay start time to not fall on weekend.

#### **Release 8.2.13 (12/29/2022)**

10/26/2022 Added "CurrentTradeType" to studies that recognizes long and short states so we can handle t  
11/13/2022 Add ScrollViewer handler to StrategyExecute (and main window) ListBoxes to make sure we al  
12/1/2022 Add ScrollViewer handler to OrderWindow and IVF ListBoxes to make sure we always scroll to

#### **Release 8.2.12 (10/6/2022)**

9/8/2022 Fixed problem with startegies forcing front symbol crashing in the 17-1800 hour between rollo  
9/16/2022 Added account qualifier to "PositionFlat" condition item when using Fill update to avoid fills fo  
9/23/2022 Added Modify filter when tracking Study price to avoid modify order rejection too close to ma  
9/28/2022 Added automatic PointValue synhronization when you start a strategy  
10/4/2022 Added code to force order strategy symbols (if we are tracking study) to current front month (

#### **Release 8.2.11 (8/25/2022)**

7/26/2022 Added Event Period to Intuality so we can select internal or external event processing  
8/3/2022 Added NewBar to Strategy input event so we an access the new BarStartTime on a bar close ev  
8/4/2022 Exluded Price Range Buy/Sell form link to bar to avoid drawing flicker  
8/11/2022 Added price behavior recalculation (in case orderbehavior uses different price behavior) befor  
8/11/2022 Added Price factor to OrderBehaviors to do percentage changes  
8/12/2022 Added recalculated price in Trail behavior if profit ticks is 0  
8/12/2022 Added percentage range in Breakeven behavior if profit ticks is 0  
8/15/2022 Added price formatting for ATR  
8/23/2022 Added BarRangeLookBack to Orderstrategy reference price (in addition to just FillPriceBarRang  
8/24/2022 Added BarLowestHigh and BarHighestLow as reference price options

#### **Release 8.2.10 (7/21/2022)**

5/25/2022 Added locks to downloadrequest queue to avoid race conditions  
5/25/2022 Changed timing on ExecuteDownloads from DataManagerEvent  
5/25/2022 changed Log locks for ChartManager and SymbolManagerCore  
5/26/2022 Fixed race condition with strategies loading (preparing) running on wrong thread causing occa  
5/26/2022 Fixed problem with GAIN replaying a bunch of ticks on login causing old ticks be added after th  
6/2/2022 Fixed problem with loading "ReadOnly" files in strategy builder.  
6/16/2022 Fixed problem with volumeprofile resetting when drawing Pullback Bar causing crash  
6/21/2022 Added Intuality auto trader integration to Strategy Builder  
6/30/2022 Fixed problem with TotalProfit calculation since symbols have different tick sizes.  
6/30/2022 Fixed problem with ExecutionControl Properties resetting after initial load and switch betweei  
7/5/2022 Added new SecretsBarAlerts for Close above/below mode  
7/5/2022 Added tick range setting to SB alerts for drawing ranges with a defined range  
7/5/2022 Adjusted PriceRangeBuy up so it draws over the correct price  
7/8/2022 Changed alert time to bar start time if bar is available.  
7/8/2022 Changed PriceRangeBuy and PriceRangeSell to draw from the initiating bar, not across all  
7/11/2022 Added PriceRange re-name to make sure we can keep an old alert without having to delete

7/12/2022 Removed some symbol null tests from execution control (they are covered in the account) to l  
 7/12/2022 Added support for Account Balance on simaccounts, live accounts should sync if possible with  
 7/13/2022 Truncated username on original order id to max 12 characters to avoid max string issues on leg  
 7/13/2022 Added automatic sim trading Refresh after 18.00 ET (and account P&L reset) in case you leave  
 7/14/2022 Added Intuality Permissioning for Strategy Builder  
 7/18/2022 Fixed issue with Quick order strategy (PostCondition NewPosition) causing false trigger to plac

#### **Release 8.2.9 (5/23/2022)**

5/11/2022 Changed OrderStrategies window resizing so top row sizes not the bottom  
 5/17/2022 Fixed race condition on CQG Price login (moved Connected to logon success) when CQG Logon  
 5/19/2022 Fixed problem with processing buffered ticks after rebuild and live ticks getting co-mingled cal  
 5/19/2022 Fixed problem with Levels study resetting levels to default after restart even if level type wasn

#### **Release 8.2.8 (4/28/2022)**

3/31/2022 Added BarNetDelta and BarCumNetDelta to BarAlert  
 4/7/2022 Fixed issue when publishing HVAs saving wrong symbology when connection is stale, (added al  
 4/7/2022 Fixed issue with stale eduConnection, check IsConnected and if needed create a new connecti  
 4/14/2022 Added SB Validation check before starting and implemented it for intuality  
 4/15/2022 Added Replay functionality for new data server  
 4/17/2022 Added advanced permission filter for bar alerts  
 4/17/2022 Added Free version with limited capabilities (limited studies, daysback < 8, no order strategies,  
 4/20/2022 Changed CQGDemo to new data server  
 4/21/2022 Fixed problem with y-Scale not updating (scroll/compress) with Auto Scale off.  
 4/22/2022 Fixed problem with initial install not having LayoutName registry key

#### **Release 8.2.7 (3/23/2022)**

3/9/2022 Added lock for MarketProfileContainer in PreDraw  
 3/9/2022 Added lock in ScaleView to avoid scale exceptions  
 3/9/2022 Changed View Invalidate to preceed any forced re-draw to avoid a build up of renderings  
 3/9/2022 Added volumeprofile lock so new nodes doesn't get added, or reset, while its getting enumera  
 3/11/2022 Added lock for MarketProfileContainer in View Scaling  
 3/15/2022 Added protection in eduServer for stale / bad connections in viewmodel  
 3/15/2022 Added eduConnection Disconnect on exit  
 3/15/2022 Added lock to logfiles to avoid shutdown race condition  
 3/15/2022 Fixed race condition when disconnecting socket and getting last receive  
 3/20/2022 Added TotalProfit (across contracts) and AverageOpenProfit as P&L options  
 3/21/2022 Added fix for GF login race condition to subscribe before GF component logged in

#### **Release 8.2.6 (3/3/2022)**

3/3/2022 Forced TLS1.2 for CQG websocket  
 3/3/2022 Fixed problem when reducing days back in Chart Options not sticking  
 3/3/2022 Improved Edu Server Purge Bars to make sure memory gets recycled

## **Release 8.2.5 (2/23/2022)**

- 2/3/2022 Added DrawWorkingOrder null scrollbar protection
- 2/9/2022 Fixed issue with ordermanager getting re-created if we have a refresh due to a reconnection
- 2/10/2022 Fixed issue with PriceRange re-download overwriting the rangeAppSymbolName with old Data
- 2/11/2022 Added Enable/Disable feature for MP auto centering
- 2/14/2022 Fixed problem exclude overnight / restart bar at daystart and bar timeout creating an extra bar.
- 2/16/2022 Added lock for SaveBarCache to make sure it doesn't change during save
- 2/16/2022 Added more precision when closing charts so we don't save all the bar caches
- 2/17/2022 Added fix for BarCache files growing over time, now if days back is used it truncates anything b
- 2/17/2022 Added study rebuild fix in case study results are off then we rebuild it anyway

## **Release 8.2.4 (2/1/2022)**

- 1/25/2022 Added TickUpdate worker thread under the Corethread to offload the pricefeed thread callbac
- 1/25/2022 Move global drawing delete to tickupdate thread to make it works while charts are building
- 1/26/2022 Added TickThrottleCount to limit how may consecutive ticks (per symbol) can be processed be
- 1/27/2022 Fixed problem with new P&L feature not handling a symbol null ptr.
- 1/30/2022 Added locks to the chartOrderCollection

## **Release 8.2.3 (1/25/2022)**

- 12/17/2021 Added further qualifications when matching BarCollections (BarOptions) to include UseDaysBa
- 12/20/2021 Changed Pat MP default to X32 aggregation
- 12/29/2021 Changed update of trade symbol AND primary chart symbol to match symbol of the main stud
- 1/6/2022 Rolling multiple symbol charts process, Roll each market separately, for MES .. Roll MES, then
- 1/8/2022 Implemented drawing of StrategyAction alerts on charts
- 1/8/2022 Added feature so that order strategies selected on SB Execute window won't fire unless strate
- 1/8/2022 Removed WeekSessionClose, SessionClose and DaySessionClose from BarOptions comparsion
- 1/8/2022 Removed UserName and LayoutName registry keys so they don't reset between installs (i.e. fc
- 1/9/2022 Added options in execution properties to set the P&L display style and type
- 1/9/2022 Changed isMatch on Levels to always create a unique study since similar levels can be added to
- 1/11/2022 Added exception around SaveBarCaches, anf also moved it earlier in the Shutdown to avoid cr
- 1/11/2022 Fixed problem with StrategyConditionItem bar / volume countdown crash if no study is selecte
- 1/12/2022 Increased message timeout from 5 to 20 seconds (has been timing out when requesting data f
- 1/12/2022 Added custom bar drawing (bar color) to SVM output so we can track long/short mode and co
- 1/17/2022 Fixed problem with restarting activedownload request in case download failed (remove missin
- 1/17/2022 Added feature to force scrollbar to end when chunk of bars are added to chart data (could be
- 1/21/2022 Added RenderOptions LowQuality to bitmap to improve rendering speed.
- 1/25/2022 Added several performance enhancements to allow faster tick processing with fewer drawing
- 1/25/2022 Improved tick throttle characteristics to further reduce drawing requests

## **Release 8.2.2 (12/16/2021)**

- 12/15/2021 Fixed endless loop issue during validating range when using non-continuous chart.

## **Release 8.2.1 (12/5/2021)**



8/10/2021 Added try/catch around shape.cs MouseDragAndDrop  
 9/1/2021 Fixed problem when trying to load ranges without ANY chart open.  
 9/7/2021 Updated TargetTrading default Bid/Ask to Dan's Retro.  
 9/7/2021 Added Action Group to SB Execute window  
 9/30/2021 Fixed drawing problem with Bid/Ask bars and also showing close  
 11/5/2021 Added Study settings to Edu server for 30min Profile studies, Publish disabled for now.  
 11/16/2021 Added new DataServer backend and integration, new symbol mapping etc

#### **Release 8.1.12 (7/14/2021)**

5/12/2021 Updated CQG WebAPI and implemented using Google.ProtoBuf library.  
 6/2/2021 Added IsNaN check on incoming Rithmic Price values  
 6/3/2021 Added Buewater Profile as an alternative to Market Profile  
 6/18/2021 Fixed threading problem with "mp\_mediaended" firing before sound is queued  
 6/18/2021 Fixed DOM x32 layout issue  
 6/19/2021 Added MBT permission check  
 7/12/2021 Added MCL permission check  
 7/14/2021 Added option to delete all Published ranges / drawings globally

#### **Release 8.1.11 (5/2/2021)**

4/12/2021 Added permissioning for DrawBarStyle so you can't display bid/ask bars styles unless you have  
 4/12/2021 Added Study permission check in default templates  
 4/12/2021 Removed symbol unsubscribe when last chart gets closed to make sure quote list keeps updat  
 4/12/2021 Fixed problem with GeneralAlert names not matching up with charts when they have spaces a  
 4/17/2021 Force update the left and right time coordinate to match the underlying chart when adding glc  
 4/17/2021 Added Publish / Get General Alerts (Price Ranges) feature to Education Server and General Ale  
 4/27/2021 Fixed problem with multiple symbols on same chart (syncing chartbars using bar start time, rei  
 4/29/2021 Changed Loading Chart Template to only replace the Primary chart symbol, and leave others s

#### **Release 8.1.10 (4/2/2021)**

3/16/2021 Fixed problem with Complex orders such as Flatten, Cancel All and Reverse not work when we  
 3/21/2021 Added Sim/Live switch to DOM so it works same as the Chart  
 3/24/2021 Added X32 DOM layout option with trade control below the ladder instead of vertically on the  
 3/25/2021 Added Center button to Execution Control to easily re-center chart or DOM  
 3/31/2021 Fixed strategy item timer countdown to match BarOptions and avoid bar closes on other bar t  
 4/1/2021 Fixed Rithmic call back after the close to rebuild books causing bad price and crash in FormatP  
 4/2/2021 Fixed UseLocal Price feed issue with Rithmic i.e. remove environmental variables before direct

#### **Release 8.1.9 (3/12/2021)**

1/15/2021 Fixed bug with Study Replace on StrategyConditionItemValue and when no Studies are specific  
 2/10/2021 Force conversion of CQGDemo to Sim , Use CQG6 for demo backend login  
 2/11/2021 Corrected permission issue on MarketProfile  
 2/18/2021 Fixed problem with CQGWeb crashing when wrong price server is used.

- 3/4/2021 Added bar "Range" in the StudyInfo box
- 3/9/2021 Fixed issue when rollover causes startnode to be null in MP scaling
- 3/10/2021 Added Permissions for MNQ, MGC and QM
- 3/10/2021 Added bar Purge function to EducatorServer to avoid running out of memory as bars are buildi

#### Release 8.1.8 (1/15/2021)

- 1/8/2021 Added option to draw aggregated MP as the x32 bit
- 1/18/2020 Fixed problem with Donchian matching.

#### Release 8.1.7 (12/28/2020)

- 11/24/2020 Added FIX for people crunching panes to 0 causing a ton of exceptions, if 10 or less heigh we sl
- 12/2/2020 Added ClearAlert feature in strategy builder
- 12/3/2020 Fixed problem with software crashing when deleting generals alerts without attached shape
- 12/10/2020 Removed Topmost for the main window
- 12/12/2020 Added Fibonacci levels to drawing tools
- 12/12/2020 Added Preferred Stochastics
- 12/13/2020 Added symbol name on DOM title
- 12/14/2020 Fixed realtime bug in Parabolic SAR
- 12/17/2020 Fixed problem with delete shape crashing due to collection modified.
- 12/20/2020 Added feature for different color styles when drawing histogram
- 12/22/2020 Updated GAIN API to latest release
- 12/22/2020 Updated CTS/T4 API to latest release
- 12/22/2020 Added Predator permission item

#### Release 8.1.6 (11/17/2020)

- 9/25/2020 Increased DataServer download timeout to 10min (600 seconds)
- 10/4/2020 Fixed problem with BarAlert not re-loading
- 10/14/2020 Added StrategyCreateAlert to strategy builder
- 10/14/2020 Expanded GeneralAlerts UI to handle IsActive, Sounds and Alert Behaviors.
- 10/14/2020 Fixed problem with Strategy Builder ODI (chart handle -1) not included in chart updates.
- 10/18/2020 Added Primary Chart Symbol and Execution Symbol automatic roll in case contract has expired
- 10/20/2020 Reworked the threshold/background coloration of bid/ask ratios
- 10/24/2020 Reworked EDU Server re-connection so that it re-subscribes properly
- 11/8/2020 Reworked bindings when editing StrategyBuilder items (when copy/paste strategies and replac

#### Release 8.1.5 (9/23/2020)

- 9/10/2020 Fixed problem with Study InputStudies not being permission and properly rolled.
- 9/10/2020 Fixed problem with General Alerts symbol not rolling (i.e. existing ranges draw prior to the roll
- 9/21/2020 Changed Websocket interface for CQGWeb to websocketsharp to avoid timing issues causing p

#### Release 8.1.4 (9/2/2020)



8/28/2020 Fixed Buy/Sell brush not saving properly on View  
8/28/2020 Added Reverse action to strategy builder  
8/28/2020 Added Customoutput value and comparison to VALUE condition item so we can use TimeRang  
8/28/2020 Fixed problem with basic volume study not part of the Standard/Auto version (advanced value  
9/2/2020 Fixed problem with Exit strategies not checking account/symbol before firing

**Release 8.1.3 (8/21/2020)**

8/14/2020 Fixed problem with threading issue causing EDU server to lock up  
8/16/2020 Fixed problem with modifying price ranges added with Global causing multiple ranges with sar  
8/16/2020 Drawing shapes (including price ranges) that are drawn as global also deletes as global after sa  
8/17/2020 Implemented Delete alert from GeneralAlert window.  
8/18/2020 Added Rithmic "UseLocal" option for Price feed.  
8/18/2020 Fixed IsPermission popup on strategy builder showing up when reading layout  
8/18/2020 Changed drawing tools default to Undefined.

**Release 8.1.2 (8/7/2020)**

8/3/2020 Fixed orderstrategy problem with getBarCollection using not using symbol to match the collec  
8/5/2020 Added Bar Form replace to Strategy Builder Design  
8/6/2020 Added Study replace to Strategy Builder Design

**Release 8.1.1 (7/31/2020)**

6/4/2020 Fixed VolumeProfile stastics not scaling properly with market gaps (CL)  
6/18/2020 Fixed odd socket disconnection on Education Connection (null buffer) to crash software.  
7/5/2020 Added named alert ranges in drawing tools that can be globally referenced  
7/8/2020 Added Bar Reference to Strategy Builder Condition Items  
7/9/2020 Added BarsBack offset and FillPriceBarRange references to order strategies  
7/14/2020 Fixed problem with TradeServer (Transact) reporting partial fills as filled causing entry strategy  
7/14/2020 Added Study and BarOption selections to Order Strategies  
7/14/2020 Added Drawing Tool option to freeze Drag and Drop of drawings  
7/16/2020 Fixed problem when starting strategy the start state was not initialized properly causing an im  
7/16/2020 Added Upper/Lower Range value and also forced PriceRanges to snap to even ticks so you can  
7/17/2020 Added order submission confirmation to execution control  
7/17/2020 Added Sounds buffering to play multiple sounds in sequence  
7/17/2020 Added generic path to sounds to make layouts portable between computers  
7/21/2020 Added OrderStrategy Dynamic Price behaviors (tracking average price, bar high/low , studies)  
7/21/2020 Added ActionRate monitoring on orders to avoid crazy Modify loops in case of bad orderstrate  
7/21/2020 Changed simfill to only fill working orders not pending  
7/21/2020 Fixed some UI issues when adding / modifying order strategies  
7/27/2020 Added Indirect studies into strategy builder (i.e. Moving average on top of Volume etc)  
7/28/2020 Updated Order manager Title to reflect Sim/Live  
7/28/2020 Added options to turn off sound on drawing tools selection  
7/29/2020 Added feature to make working orders width match tickheight to avoid the skew up/down issi  
7/30/2020 Added Patricks default templates for Algo and MP in the Symbol Manager menu

**Release 7.12.8 (5/28/2020)**

5/1/2020 Fixed MP aggregation not coloring mean price  
5/11/2020 Further qualified BarClose events on input events CanEvaluateConditionItem  
5/14/2020 Enabled Hurst as a server study

**Release 7.12.7 (4/4/2020)**

4/1/2020 Fixed problem with initial logon failure on T4 not shutting down correctly.  
4/2/2020 Fixed problem with Switching between Sim/Live not subscribing to correct execution engine  
4/2/2020 Fixed problem with T4 price feed subscription  
4/4/2020 Fixed problem with non-responding login server not releasing client side.

**Release 7.12.6 (3/26/2020)**

2/24/2020 Added SVM last price factor  
2/24/2020 Changed installer to accommodate x86 and x64 zlib1.dll files (running trade router under sub c  
3/5/2020 Fixed problem with sim fill overfilling when you have multiple orders on one single price level  
3/5/2020 Added NewPosition as OrderPostConditionBehaviorType to avoid multiple order at same price  
3/5/2020 Added Fix for BalanceCancelled orders on CQG being report as Cancelled hence not updating t  
3/26/2020 Added CTS/T4 version 4.7

**Release 7.12.5 (2/19/2020)**

12/4/2019 Fixed issue with SaveFileDialog crashing when MyDocuments points to different drive  
1/5/2020 Upgraded Rithmic to 10.9.0.0  
1/26/2020 Added new GAIN API  
1/28/2020 Added more log info for LastPrice - LastTransitionPrice evaluation  
2/3/2020 Fixed problem with executioncontrolviewmodel re-subscribing to events each time it gets initi  
2/3/2020 Fixed problem with SBExecute shutdown not shutting fown execution control  
2/3/2020 Fixed problem with order strategy orderbehavior complete processing (if already removed, th  
2/3/2020 Fixed problem with IsSOD flag not set on all APIs when carrying a position  
2/6/2020 Added Accountbalance (downloaded) to account manager  
2/6/2020 Added pnl connectionpoint to Rithmic  
2/7/2020 Fixed problem with exporting historical fills  
2/15/2020 Fixed for chart bars sync running amok and running out of memory  
2/15/2020 Upgraded all NuGet packages  
2/15/2020 Removed most old Form implementations

**Release 7.12.4 (11/15/2019)**

10/29/2019 Added Std Bands to Support Vector Machine  
11/4/2019 Added lock on MP drawing to avoid crash (collection changed)  
11/6/2019 Added lock on symboldata barcollection modification to avoid exception when loading up

**Release 7.12.3 (10/24/2019)**

8/20/2019 Changed target framework to 4.8  
9/9/2019 Added isTriggered reset for each condition item AFTER we determine tickbytick or barclose to  
9/26/2019 Fixed problem with same state/condition and conditionitem names causing the background to  
9/26/2019 Adjusted Average Price and Fill symbols to draw with the 1/2 tick offset to match the price bar  
10/3/2019 Fixed problem with BidAskRatio alert setting the alertprice incorrectly at top/bottom of bar

**Release 7.12.2 (8/12/2019)**

7/15/2019 Fixed problem with Left click order entry on trade chart also grabbing underlying drawings  
7/23/2019 Added OrderStrategy override in the SB Action  
8/5/2019 Fixed problem with Strategy Prepare crashing platform during rebuild  
8/5/2019 Added SB Execute title and rebuild/prepare indicator with Start protection

**Release 7.12.1 (7/11/2019)**

7/1/2019 Added Server side studies, with educator server component  
7/1/2019 Added secrets RTY permission

**Release 7.11.11 (5/28/19)**

4/11/2019 Added Delete All Drawings Globally (and reset ShapeID)  
4/30/2019 Fixed problem with MP volume aggregation coloring mode incorrectly  
5/8/2019 Added Copy / Paste capability to StrategyBuilder  
5/9/2019 Added Symbol Replace capability to StrategyBuilder  
5/9/2019 Changed the Pen / Brush Options to reduce number of clicks to pick color  
5/15/2019 Fixed F6 indirect Tillson calc to use correct defaultIndex (from the input study)  
5/16/2019 Fixed F6 background drawing using slope so that last bar background draws correctly  
5/19/2019 Added DragAndDrop for Shapes  
5/19/2019 Added RequiredPermission for Charts to prevent unauthorized used of charts, maps to permis  
5/22/2019 Fixed problem with Shape , isExtend not saving / restoring  
5/26/2019 Fixed issue with vertical global crosshair not working correctly.

**Release 7.11.10 (04/02/19)**

3/25/2019 Fixed problem when training SVM fails so we don't try to predict since that will crash app.  
3/25/2019 Added improvement to Replay to better handle replay preload (SVM crashing on CL)  
3/26/2019 Fixed problem when saving layout with Open SB Execute not properly loaded .. Would crash th  
3/26/2019 Protected LogFile shutdown from crash in case the file close fails.  
3/26/2019 Added Pullback bar (as 2nd PriceStudy output)  
3/26/2019 Added Global Crosshair, have to be turned on per chart  
3/27/2019 Added Action Groups and made them available on Chart Properties and DOM Properties  
3/28/2019 Added option in OutputDisplayStyle to exclude the output from scaling  
4/2/2019 Fixed issue with Shape ID when reading XML and shapes being added to charts where primary  
4/2/2019 Locked the spin control from manually typing in a value since it doesn't take and can confuse t

## **Release 7.11.9 (3/20/2019)**

- 2/28/2019 Added IVF to symbol roll functionality
- 2/28/2019 Added BollingerBands
- 3/2/2019 Fixed problem with ResetBarValues not handling daysession switch properly
- 3/2/2019 Added VPIN reset at session start or day session start (defaults to not resetting) , also added V
- 3/5/2019 Fixed problem with CQG only re-syncing the position and dropping the day fills.
- 3/5/2019 Added Roll Symbol functionality to open DOMs
- 3/6/2019 Improved Unique orderID in AccountManager for performance calcs , using very low level time
- 3/7/2019 Fixed problem with studies changing during rebuild causing crash, now locking studies during r
- 3/9/2019 Fixed problem when loading layout fails causing no main instance to be created
- 3/9/2019 Fixed problems with Roll when both New front month and old expiring symbol are in use.
- 3/10/2019 Made a Symbol with without new book reference everytime we getSymbol to avoid that strate
- 3/10/2019 Added UseContinuous and UseDaysBack as part of the BarOptions comparison to make sure w
- 3/12/2019 Added shape sensitivity and ordering for adding / deleting sahpes to get better selection
- 3/12/2019 Added a DrawingTool reset timer that moves it back to no tool selection if we aren't clicking o
- 3/14/2019 Added ability to view, modify price and cancel orders from non trade charts, Chart has to be sv
- 3/15/2019 Fixed problem with Condition without any condition items returning a null action
- 3/15/2019 Fixed problem with strategy fill condition not finding front month after the roll when both sym
- 3/17/2019 Added StrategyName field in chart data options to define what strategy alerts should be displa
- 3/18/2019 Fixed problem with SVR reading/ restoring parameters
- 3/18/2019 Added "S", "L" on the execution control symbolname to make sure we can see if they are sim c
- 3/19/2019 Fixed problem with Pivot calculation using the wrong close price for the previous day

## **Release 7.11.8 (2/25/2019)**

- 1/31/2019 Added feature to replace symbol for symbol (and also roll from one expiration to another prio
- 2/5/2019 Fixed problem with TradeRoutingServer reconnect after it gets shutdown
- 2/6/2019 Added Default Commission field on the account manager (just at the account level for now)
- 2/6/2019 Fixed problem with GetBidAskBrush when using BidAskVolume bars (not BidAskVolumeDelta)
- 2/9/2019 Added back in the ExtendDrawingShapes in ChartData to make sure ranges are updated after
- 2/12/2019 Added ability to change commission number on live accounts , can't change name, type or bac
- 2/13/2019 Fixed problem with SB not updating Profit in realtime
- 2/20/2019 Added Institutional Volume Filter

## **Release 7.11.7 (1/29/2019)**

- 1/3/2019 Added thread protection for SymbolPosition so we can access openFills and filledOrders while
- 1/3/2019 Added Refresh functionality to Simulation (to make sure we remove day orders, reset P&L etc)
- 1/7/2019 Added socket Disconnect on failed login so server side can clean up the unused connection
- 1/7/2019 Removed socket exception for normal socket disconnect exception.
- 1/7/2019 Fixed issue with SLOW price feed connection causing too early subscription attempt when reat
- 1/9/2019 Fixed issue with Heartbeat timer not running on TradeServerConnection (since we're not loggi
- 1/9/2019 Fixed issue with TA 30min chart not coloring bars correctly (Checking for Custom Output Value
- 1/11/2019 Fixed issue with StrategyBuilder design not saving anything if no Strategy was selected. Now w
- 1/14/2019 Fixed for crashing after rebuild in chartviewmodel DataLoadFinished, removed the shape last t

1/14/2019 Fixed issued with scrolling feeling sticky and scrollbar resetting back to last bar  
 1/14/2019 Changed Account Manager layout and added performance reporting and export functions  
 1/19/2019 Fixed issue with Compare value not saving in Calculated Condition Items  
 1/19/2019 Added option to Calculation in ConditionItem (Calculated) to trigger on price difference between  
 1/20/2019 Improved usability of replay control and replay speed.  
 1/21/2019 Added Check / Prepare check for Fill condition to roll to current front month  
 1/22/2019 Changed IQFeed to use DataServer2 , i.e. creating the data connection on new data server on  
 1/23/2019 Added ForcedShutdown message to LoginServer to allow remote force close of platforms  
 1/23/2019 Revised Login/LoginRepy message to add information field , i.e. why a login failed.  
 1/28/2019 Added CancelAll to SB actions  
 1/29/2019 Added "Application already running" check on startup

#### **Release 7.11.6 (1/1/2019)**

12/21/2018 Fixed problem with BE and Trail behaviors not trying the modify order to 0 (i.e. ends up modify  
 12/21/2018 Fixed threading issue with open replay control  
 12/24/2018 Removed order ticket option for now  
 12/26/2018 Fixed problem with Order ReadXML (from Account) getting a continuous symbol and also upda  
 12/27/2018 Added Intuality permissions and limited the user version to max 3 open instances. Allso chang  
 12/30/2018 Fixed problem when saving OrderStrategy with different filename, now strategyname updates  
 12/30/2018 Fixed problem with SimFills mixing up, now we keep Todays Completed Orders in a separate c  
 12/31/2018 Added yPaddingDefault setting. Defaults to 0 as before but can be set for individual panes in p  
 12/31/2018 Fixed problem wiith panes sizes resetting when switching between TradeChart settings  
 12/31/2018 Fixed problem with manually Loading strategy in SbExecute not finding start state  
 1/1/2019 Fixed problem with CQG WebPrice and FIX trying to re-login when login attempts failed. Preve

#### **Release 7.11.5 (12/18/2018)**

12/9/2018 Fixed problem with sound properties link not updating when changing sound  
 12/11/2018 Fixed problem with EnumerateOpenOrders generating new orders causing deadlock , use GetC  
 12/11/2018 Fixed problem with Fills not being properly read when re-loading account file causing history to  
 12/11/2018 Added filter to remove partially filled Stop orders from IsOpen property so we exlcude them w  
 12/11/2018 Fixed timestamps on live filled / cancelled orders on CQG  
 12/12/2018 Fixed problem with manual load in strategy execute including the top level of the strategy  
 12/14/2018 Added CancelPendingConf and AmendPendingConf as fillable states for CQGThread  
 12/15/2018 Fixed problem with IsLive not saving / restoring properly on StrategyBuilderExecute  
 12/17/2018 Added features to Ordermanager to filter orders and Save Completed orders.  
 12/18/2018 Fixed problem with sounds not playing on live orders (threading issue)  
 12/19/2018 Fixed problem with Rithmic timestamp on Ticks

#### **Release 7.11.4 (11/27/2018)**

10/31/2018 Added threshold check for BuySellRatio if at the high/low of bar  
 10/31/2018 Added Permission Items for Secrets Bar alerts , will be stripped form charts AND strategies if nc  
 11/6/2018 Added strategy locking feature (saves a encrypted binary instead of clear text)  
 11/6/2018 Fixed problem with BidAskRatio High / Low

11/12/2018 Added chart locking feature (chart template saved with encryption), prevents view of BidAskCo  
 11/12/2018 Added encrypted layouts (save with .lax) extension, once locked it stays encrypted (but change  
 11/13/2018 Added Popup position for DOM Control / Execution Properties  
 11/21/2018 Fixed problem with Open orders modifying to 0 not Cancelling but just getting stuck in an endl  
 11/24/2018 Removed Chart Background/bar Area Brush from ChartDisplayOptions and only use the setting  
 11/25/2018 Fixed problem with fills being pulled for every bar when drawing fills. Now just once per redra  
 11/25/2018 Added time filter for pulling filled orders for display to avoid pulling all fills (could be huge num  
 11/25/2018 Fixed Replay timestamp issue for Order management  
 11/25/2018 Fixed problem with 0 bid/ask prices causing bad fills in replay  
 11/27/2018 Added protection so you can't save unprotected strategies and templates with wrong extensio  
 11/27/2018 Fixed issue with strategy name staying the same when you save strategy with different file na

### **Release 7.11.3 (10/24/2018)**

10/9/2018 Fixed problem with BidAskRatio calculation  
 10/9/2018 Fixed problem with SbExecute not loading up in correct mode (sim/live)  
 10/9/2018 Added AlertPrice as a reference for OrderStrategies (SpecifiedPrice)  
 10/15/2018 Added filter to prevent bad orders in case SpecifiedPrice is used but manually submitted (0 pri  
 10/17/2018 Make sure Stop / StopLimit don't get partial fills  
 10/17/2018 Changed SB Fill Condition to check for fill before checking for Flat state  
 10/19/2018 Changed ExecutionControlProperties to by default show OS when starting with strategy  
 10/21/2018 Fixed crashing issue when Preparing strategy during rebuild (modifying studies collection)  
 10/25/2018 Fixed issue with crosshair colorselection not working

### **Release 7.11.2 (10/7/2018)**

9/26/2018 Added Option to turn off bid/Ask auto sizing on bid ask charts  
 9/26/2018 Fixes to OrderStrategies to handle OrderBheavior add-ons in a better way  
 9/26/2018 Implemented Bar condition item  
 9/27/2018 Added separate logfile for executing strategies  
 9/27/2018 Added Copy feature to OrderStrategies  
 9/30/2018 Fixed problem with SB removing study before ODI count is 0.  
 10/2/2018 Added warning when starting strategy without Symbol, Account or Quantity  
 10/2/2018 Fixed problem with loading SBExecute not setting the strategy correctly (sbStrategy)  
 10/2/2018 Replaced frequent condition item messages when red/green highlight instead  
 10/2/2018 Fixed problem with Secrets baralert not using consecutiveBidAsk as qualifier  
 10/3/2018 Fixed problem with SBExecute not setting up Instance before loading strategy .. i.e. getSymbol  
 10/3/2018 Fixed problem with UseContinuous in BarCollection since they were referencing incoming sym  
 10/3/2018 Fixed OrderStrategy Copy not making a copy of order behaviors  
 10/5/2018 Fixed problem when resizing pane causing exceptions (due to bitmap size mismatches)  
 10/5/2018 Added filter for RatioBidAsk to skip top and bottom price levels in the volume profile

### **Release 7.11.1 (9/23/2018)**

7/25/2018 Fixed re-subscription problem on CQGWeb in case we get a socket failure before any symbols  
 7/25/2018 Adjusted fontsize and weight in execution control to make it easier to read



8/15/2018 Limit log file size to 50Mb  
 9/17/2018 First version of Strategy Builder  
 9/17/2018 Fixed sub targets not firing on multilevel order strategies  
 9/17/2018 Fixed shutdown problems with multiple Bluewater Instances, i.e. Replay  
 9/17/2018 Made scrollBarCount a chart display option, i.e. number of bars back for the auto bar reset to  
 9/17/2018 Made SimFillLevel an ApplicationProperties option  
 9/20/2018 Save/Restore of Active Strategies  
 9/20/2018 Added StrategyBuilder Symbol and BarOption Defaults  
 9/20/2018 Added StrategyBuilder using continuous symbols and automatically converting to current front  
 9/21/2018 Added automatic selection of last Study added to Study Manager  
 9/21/2018 Added PrevPosition to Order to capture the current position when an order is placed. Used wh  
 9/21/2018 Fixed problem with Monthly profile not handling the 1st of the month being on a Saturday  
 9/22/2018 Updated ExecutionControl Properties and Display options so you can configure the control  
 9/22/2018 Added Sim / Live background setting to Execution Control to make it clear which one it is.  
 9/22/2018 Added Save/Restore if individual order strategies

#### Release 7.10.5 (7/18/2018)

7/12/2018 Fixed issue with Levels not maintainin the DrawOutputName when changed (outputvaluedispl  
 7/15/2018 Re-designed background drawing. Removed Study level background setting and moved all bac  
 7/16/2018 Fixed problem with Pen not reading back the Dash style correctly.  
 7/16/2018 Added white space Trim for all username / password fields  
 7/18/2018 Changed password fields in the credentials window to be obscured.

#### Release 7.10.4 (7/10/2018)

6/26/2018 Added symbolmapping workaround in case we connect to new data server (using IQFeed). If w  
 6/26/2018 Fixed issue on SymbolBook Update to handle price updates in direct tick format  
 6/28/2018 Fix for GetAccounts return null list if called more than once causing a crash.  
 7/2/2018 Fixed problem with Trial (without BE) not trailing properly.  
 7/2/2018 Allowed negative value in the BE+ field  
 7/4/2018 Fixed problem with Levels indicator and changing type of level and settiing defaults for Fibona  
 7/4/2018 Fixed issue with charts not reflecting change until rebuild, i.e force reset all chartbars on Study  
 7/5/2018 Fixed issue when people forget either Price or Execution username / password, just assume th  
 7/6/2018 Added CCI  
 7/9/2018 Added Bottomley's AdaptiveCCI  
 7/9/2018 Added VPIN  
 7/9/2018 Added AlwaysOnTop setting for charts and DOM  
 7/9/2018 Added Hurst  
 7/10/2018 Added BarColor Alert based on Volume / Range to the BarAlert Study  
 7/11/2018 Fixed levels indicator to update dynamically and that the correct ODI gets updated as well

#### Release 7.10.3 (6/21/2018)

6/19/2018 Changed F5 default Bid/Ask defaults



6/19/2018 Added lot size filtering to BarOptions and BarCollection  
 6/20/2018 Fixed bug when doing single split on Monthly profile  
 6/20/2018 Fixed problem with unsplitting when using day session only  
 6/20/2018 Turned of LoadBarCache in EnableBarCache isn't enabled to avoid not saving correct cache but  
 6/20/2018 Fixed problem with splitting monthly profile in days and handling holidays (gap in bars)  
 6/20/2018 Fixed MarketProfile X-axis timestamp overlap

#### **Release 7.10.2 (6/13/2018)**

6/4/2018 Fixed problem with Daily splits adding extra days for the weekends.  
 6/5/2018 Fixed problem with save chart with xScale at 0, (not enough bars to cover entire chart) , crashi  
 6/5/2018 Fixed various MP default split problems  
 6/6/2018 Changed scaling on long term histogram to scale based on visible volume  
 6/6/2018 Fixed problem with TradeServer interface using different pricefeed than backend , caused Ord  
 6/7/2018 Further fixes to CenterView for MP charts  
 6/12/2018 Fixed problem with Background drawing covering 1/2 tick edges (i.e. Time Range)  
 6/12/2018 Fixed various MP scaling problems  
 6/12/2018 Fixed problem with Market Profile Barcache  
 6/13/2018 Fixed problem with differnet price feed on TradeRoutingServer messing up order routing  
 6/14/2018 Fixed problem with bufferedTicks not getting cleared after rebuild

#### **Release 7.10.1 (5/31/2018 - First General Release)**

5/29/2018 Added option to draw bid/ask background on chart  
 5/30/2018 Added new right click split options  
 5/30/2018 Added saving of splits into layout upon exit  
 5/30/2018 Changed Defaults for F1 to 180 days and F2 to 90 days

#### **Release 7.9.13 (5/28/2018)**

5/24/2018 Fixed problem with Replay control preload not working properly  
 5/25/2018 Fixed problem with updating indicator show a draw gap at the last bar  
 5/25/2018 Exposed all parameters the SVR engine  
 5/28/2018 Re-ordered all Study parameters and added display names for clarity

#### **Release 7.9.12 (5/24/2018)**

5/14/2018 Fixed problem with Live trade charts switched to sim coming back as live after restart. Also all  
 5/15/2018 Fixed problem with TradeChart being turned off while in trade mode still keeping order option  
 5/15/2018 Fixed issue with marketprofile splitting to make it more responsive. (force top recalc on split cl  
 5/17/2018 Added single click delete of drawing symbols OR in addition to boxing in an end point  
 5/18/2018 Added PopUpPosition for right click menu popups so they show up close to the chart you right  
 5/22/2018 Fixed problem with RefreshOrders for sim not occuring if no live backend is present (Sim in bai  
 5/23/2018 Fixed issues with bid/ask coloration invertcolor issue and ratios triggering incorrectly on 3 tick  
 5/23/2018 Fixed issue with LSMA not returning the most current result (caused the SVR calc. to get messe  
 5/23/2018 Fixed problem with rebuild clearing study results but failing to rebuild them due to RebuildBar  
 5/23/2018 Fixed problem with SVR not re-calculating for each tick

5/24/2018 Fixed TradeChart Stop placement still updating the underlying trade type when the right click r  
5/24/2018 Fixed issue with sim trades filling with 0 price when bid/ask info isn't available

#### **Release 7.9.11 (5/10/2018)**

4/23/2018 Added aliased style to reduce graphics edge blurriness  
5/1/2018 Fixed problem with Property Default Values set in descriptive attribute (BarOptions)  
5/6/2018 Added property number to sort drawing and changed display names to make it easier to under  
5/7/2018 Fixed account synchronization when account manager closes to avoid using a null result on live  
5/8/2018 Fixed deadlock problem with Connection lock. Send messages while processing multiple incor  
5/8/2018 Fixed default account selections on trade charts  
5/9/2018 Fixed fill marker drawing on trade charts to center on bar  
5/10/2018 Fixed Order Manager selected item so that it inverses color for better readability  
5/10/2018 Implemented right click cancel from order manager

#### **Release 7.9.10 (4/17/2018)**

4/13/2018 Fixed problem with TradeRoutingServer missing some message Versions  
4/13/2018 Fixed problem with watermarks not saving / restoring properly in the layout  
4/13/2018 Added chart option to Remove all MP splits  
4/16/2018 Made price feed selection independent of backend, was previously forced to same kind  
4/16/2018 Added crash protection for unauthorized socket connection attempts (hacking)  
4/17/2018 Fixed issues in the account manager related to creating/editing live accounts  
4/17/2018 Fixed issue with credentials not saving on exit (in case they were updated while logged on)  
4/17/2018 Changed Property, Login, StudyManager and ChartProperties windows to always on top  
4/17/2018 Changed login focus to password box if username is populated  
4/17/2018 Fixed problem with ChartProperties DateTime Picker crashing when bad time value is entered

#### **Release 7.9.9 (4/3/2018)**

3/26/2018 Added encryption option for clientmessage interfaces, i.e. support old platform connecting to  
3/27/2018 Added backwards compatibility for IETrader to record sim trades in new recording server (lega  
3/27/2018 Added Account option to allow sim accounts to be recorded or not. Allows users to specify wh  
4/2/2018 Fixed reversal bars calculation issue  
4/3/2018 Fixed problem with split socket messages (issue with TradeServer / Transact integration)  
4/3/2017 Added VC2017 redistributable to install package

#### **Release 7.9.8 (3/26/2018)**

3/16/2018 Fixed issue with daily profile skipping into next session after rebuild  
3/16/2018 endtime in baroptions is now forced to current time when using fixed time range (days back u  
3/16/2018 Updated recording server to handle updates and stop reecording webbars (using new data ser  
3/16/2018 Added IsActive option to customer mapping for execution recording  
3/20/2018 Updated new DataManager with various changes to enable new data server to started recordi

3/25/2018 Added message version on ClientMessageData to allow for changes of the content and still keep  
3/25/2018 Added software version to the login message  
3/25/2018 Fixed TradeRoutingServer crash issue when Transact Login fails  
3/25/2018 Fixed problem with changing login servers not repointing to the correct one.

#### **Release 7.9.7 (3/8/2018)**

3/8/2018 Fixed problem with MP scaling (introduced in 7.9.6)  
3/8/2018 Threaded out OEC client to make sure we don't get stuck in the Application.Run and complete  
3/8/2018 Added VolumeStatistics tick aggregation  
3/8/2018 Updated Position re-sync for block account carried positions (still not ok but matches OEC trad  
3/9/2018 Removed DrawBusyIndicator from background drawing thread to avoid race condition with th

#### **Release 7.9.6 (3/7/2018)**

3/5/2018 Fixed problem with PenBrushWPF not copying underlying brosk (drawing tools issue)  
3/6/2018 Fixed problem with time axis scalign on MP , use ChartBars for X axis and MP bars for Yaxis to i  
3/6/2018 Added Bid/Ask Volume and Bid/Ask ticks to CalculateOn enumeration  
3/6/2018 Fixed problem with adding indicator ON indicator with a specified defaultResultIndex (need to  
3/6/2018 Fixed problem with position re-sync for block accounts

#### **Release 7.9.5 (3/5/2018)**

3/3/2018 Enhanced drawing tool functionality and added save/restore of the window  
3/3/2018 Added Global drawing and delete  
3/3/2018 Added Primary symbol to chart title  
3/3/2018 Recoded MP aggregation for both TPOs and underlying volume  
3/3/2018 Adjusted y-axis for aggregated MP to avoid gaps  
3/4/2018 Fixed problem with drawing on Market Profile  
3/4/2018 Improved Rollover feature to roll to automatically pick the next front month  
3/4/2018 Left click outside depth of market places Stop instead of Limit  
3/4/2018 Recoded volume profile to handle tick aggregation  
3/4/2018 Added Modify Quantity to trade chart (right click menu)

#### **Release 7.9.4 (3/1/2018)**

2/22/2018 Fixed setting start time manually on baroptions (not using daysback)  
2/22/2018 Fixed issues loading up barcaches  
2/22/2018 Fixed Drawing Tools delete issue and Redraw when adding new drawing given new bitmap typ  
2/26/2018 Adjusted chart trading working orders to display on the upper / lower edge respectively i.e. vis  
2/26/2018 Added AllocationBlock accounts and updated Account Manager to support them. (Only implem  
2/27/2018 Improved chart trading by preventing order to be placed when cursor is outside the chart draw  
2/27/2018 Improved chart trading by highlighting order action when cursor is hovering over modify or c

#### **Release 7.9.3 (2/21/2018)**

2/11/2018 Added BarCaches to BarCollection to improve rebuild speeds

2/13/2018 Performance enhancements, changed drawing logic to use pre-drawn bitmaps and only draw  
2/21/2018 Added option to turn off/on bar caching

#### **Release 7.9.2 (1/16/2018)**

12/21/2017 Added code changes to support 6J, BTC , NKD and NIY  
1/9/2018 Re-worked account refresh to make sure stored fills remain  
1/9/2018 Added symbol information to TradeRouter interface to support correct price translation  
1/9/2018 Fixed race condition between symbol enumeration and live login. Both have to be completed  
1/16/2018 Fixed Connection vulnerabilities for hacking/scanning apps  
1/16/2018 Encrypted connection data  
1/16/2018 Allow pricefeed override when backend is simtrade

#### **Release 7.9.1 (12/13/2017)**

11/28/2017 Added Splashtop Remote Support  
12/12/2017 Added UI redraw throttling  
12/12/2017 Reworked chart view thread to draw more in background and render bitmap for UI thread dra

#### **Release 7.8.19 (11/28/2017)**

11/24/2017 Added option to draw the Y-axis value for each study output value  
11/24/2017 Removed the Y-axis scaling styles since we do it at the top level  
11/28/2017 Fixed contract rollover not updating the chart primary symbol  
11/28/2017 Fixed problem with Line drawings not drawing at the chart end (donchian issue)

#### **Release 7.8.18 11/22/2017)**

11/20/2017 Fixed problem with drawing multiple different price studies on same chart using tick/volume b  
11/20/2017 Added a "Primary" symbol for charts that controls number of bars displayed and the scrolling  
11/22/2017 Fixed the spread indicator and added a "Primary" study symbol that drives the output results

#### **Release 7.8.17 (11/14/2017)**

11/6/2017 Added auto Subscribe in symbolmanagerviewmodel for Fills  
11/6/2017 Added filter to only record data for symbols in the front month, since we only store product (n  
11/10/2017 Added SupportVectorMachine & EmguCV libraries  
11/10/2017 Exposed MajorScaleY & MinorScaleY to property display  
11/14/2017 Changed Axis scaling, fixedincrement or nMajor splits

#### **Release 7.8.16 (11/6/2017)**

10/31/2017 Combined Chart Display/Data and ChartView Display/Data into on screen  
11/2/2017 Added Chart Template functionality  
11/3/2017 Fixed potential threading issue that can cause crashes.

**Release 7.8.15 (10/30/2017)**

10/25/2017 Fixed problem with old contract in layout that can't be resolved crashes the platform.  
10/25/2017 Added a function to roll expired contracts in old layouts to current front month automatically  
10/25/2017 Fixed crashing issue when resizing x-axis (drawing crosshair while re-creating axis in different t

**Release 7.8.14 (10/24/2017)**

10/23/2017 Fix for multiple bars getting the same time stamp hence confusing drawing (happens on tick /  
10/23/2017 Fix for bid/ask charts autosizing text  
10/24/2017 Fixed draw order problem for indicator outputs

**Release 7.8.13 (10/19/2017)**

10/18/2017 Rewrote the chart drawing to improve performance  
10/16/2017 Collapsed mapp window into a menu on the Bluewater windows

**Release 7.8.12 (10/5/2017)**

10/2/2017 Replaced dc.DrawText with GlyphDrawing to improve performance  
10/5/2017 Replaced DrawRectangle, DrawEllipse and DrawLine with geometry drawings instead

**Release 7.8.11 (9/27/2017)**

9/27/2017 Added heartbeat to legacy DataManager to avoid it disconnecting

**Release 7.8.10 (9/26/2017)**

9/25/2017 Quote screen only updates when price change  
9/25/2017 Fixed drawing tools crash issue when rescale occurs during drawing  
9/25/2017 Fixed MP last price display and scaling for the last bar during live market

**Release 7.8.8, 7.8.9 (9/21/2017)**

9/21/2017 TA specific indicator and bid ask conditions

**Release 7.8.7**

9/15/2017 Drawing tools

**Release 7.8.6 (9/5/2017)**

9/5/2017 TA indicators fixes  
9/2/2017 Added Rollover feature

**Release 7.8.5 (8/29/2017)**

8/29/2017 TA indicators and default charts

**Release 7.8.4 (8/18/2017)**

8/18/2017 Order Strategies and Bracketing

8/18/2017 Live interfaces for Transact, Rithmic, CQG, OEC (not CTS yet)

**Release 7.8.3 (7/24/17)**

6/2/2017 Bunch of updates for first official beta release of BW Trader

6/2/2017 Updated intuitor

7/21/2017 Updated intuitor

**Release 12/30/2016 7.6.32**

12/30/2016 Test version of intuitor

**Release 12/22/2016 7.6.31**

11/28/2016 Updated the Account Manager to WPF

12/8/2016 Changed FIX engine to force thread switching before processing order updates to avoid thread

12/13/2016 Removed static logging calls in favor of dynamic logMessage delegate

12/13/2016 Updated the Order Manager to WPF and so it properly shows working / completed orders

12/22/2016 Intuitor changes

**Release 9/29/2016 7.6.20 to 7.6.26**

11/21/2016 Intuitor updates

**Release 9/29/2016 7.6.20 to 7.6.26**

9/29/2016 Intuitor updates

**Release 9/15/2016 7.6.20 to 7.6.22**

9/19/2016 Intuitor Updates (see intuitor release log)

**Release 9/15/2016 7.6.19**

9/14/2016 Intuitor 2.2.2.0 , IntuitorWPF 1.2.1.0 Added Data Conversion properties and DWTI conversion

**Release 9/12/2016 7.6.18**



9/14/2016 Intuitor 2.2.2.0 fixed UseConsciousEventPeriod (for subconscious) and emailBody for New Order

**Release            9/12/2016 7.6.17**

9/12/2016 Intuitor 2.2.2.0, fixed UseConsciousEventPeriod

**Release            8/29/2016 7.6.16**

8/28/2016 Added total Directions to intuitor.

**Release            8/17/2016**

8/17/2016 Made intuitor a Main instance and immediate launch if Bluewater permission is not enabled

8/17/2016 Changed default installation folder to 64 bit folder



he rate is above the "maxBarVolume" value. Can also use Consecutive bars to average the speed.



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e bracket when order is cancelled, i.e. in position and order is placed and cancelled for same size



result is delayed, may still see premature subscribe attempts when creating charts but that it not an iss



ick and StartDate to make sure bar cache works better. Also added startdate to barcach file name



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avoid a tickbytick event to stay triggered after the condition comes off or an outputvalue fails.



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When order strategy is trying to modify Stops (i.e. skip them after they have been triggered since they wil



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we can't find a symbol to associate mapping then we look for symbolname only and update the exchange



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æ to reflect the symbol

