Commodity Data Server

Release Notes

MORNINGSTAR®

Version 4.12

Bug Fixes:

- [MIM-404] - Fixed issue to ensure the publisher files are processed in the order they are produced.
- [MIM-397] - Fixed issue where the user name from the web service was not showing up properly in the
  server log.

Version 4.11

Bug Fixes:

- [MIM-395] - Resolved issue where a Query macro was failing and causing the server to crash

Version 4.10.2

Bug Fixes:

- [MIM-389] - Resolved issue with schema_reorg on solaris where it was truncating formulas to 1K.
  Resolved another issue by modifying database property tables which was causing a query to not execute
  in 4.10 (master)

Version 4.10.0

Bug fixes
- [MIM-376] – Resolved truncation issue with long query formulas

Improvements
- [MIM-377] – Added ability to allow for retrieval on publish content (ups_info* file content) without Database lock

Version 4.9.2

Bug fixes:

- [MIM-185] - Resolved Query language issue that was causing the "disable backward adjustment" feature to not function with the syntax "front".
- [MIM-374] - Resolved issue that was causing the Query application to display inconsistent results

Version 4.9.1

Bug fixes

- [MIM-368] - Fixed runSchemaCompact.sh script to properly check for running processes
- [MIM-370] - Resolved issue with volume crossover in rollover policy
- [MIM-373] - Resolved issue with code to allow custom symbols to be included in queries for the Formula Loader

Version 4.8.6

Bug Fixes:

- [MIM-271] - Resolved issue where slave server would crash on a query request if user was not entitled to the data
- [MIM-264] - Fixed delet_facts which was causing a crash in the server publisher code
- [MIM-252] - Modified makefile to retreive libgcc_s.so.1 file from the correct location
- [MIM-250] - Resolved issue that was causing server to not update or recover through the xmim_ent_recovery application
- [MIM-241] - Resolved server crash on ROLLOVER queries
- [MIM-229] - Resolved adjust_contract rollover issue which was not working correctly on custom data
- [MIM-217] - Resolved connections in conection pool caused by erroneous characters that were not consistently setting client type
- [MIM-213] - Resolved issue where "no groups" message would show when there was a group in the server logs
- [MIM-182] - Resolved issue that was causing End of Day (EOD) package to fail processing

Improvements:

- [MIM-269] - Created smoother writer shutdown method

- [MIM-254] - Added feature that allows to see what percentage is complete in mimdbck
  [MIM-251] - Reduced internal Time Series Descriptor list during rollover (regen) to decrease processing time

- [MIM-216] - Added ability for DBCOMPARE to remove unnecessary error statements when data for a date does not exist

Tasks:

- [MIM-246] - Created client libraries for 32bit Windows and 64bit Linux that support "big block" data

- [MIM-244] - Restored -k option (kill existing server) which was commented out inadvertently

- [MIM-222] - Added ability to mimdbck to detect "Unable to Read the Time Series from disk" error

- [MIM-218] - Added option to mimdbck that deletes the corrupted relations and creates a log of those deleted

- [MIM-212] - Moved xmim_ent_recovery logs from tmp to $LIMHOME/tmp

Version 4.8.5

Bug Fixes:

- [MIM-206] - Fixed slave start up issue that was causing requests to the server to drop

- [MIM-202] - Fixed server crashing issue on api rpc_get_kids_with_types() that was caused by NULL values

- [MIM-199] - Fixed server performance issues with entitlements ON

- [MIM-188] - Removed unneeded sleep statement from SetupRPCHandle function

- [MIM-166] Fix crash when adding formula relcol. Also, remove Purify complaints when starting Server with empty DB (directory structure only).

New Features:

- [MIM-190] Replaced 'RPC: Timed out' message with a more accurate message regarding the slave being to busy to respond.

- [MIM-189] Added a mimdbck utility to check integrity of relation columns.

- [MIM-184] Corrected the DataServer publishing of 'create NaN' entries.
- [MIM-152] Introduce a Fast Regen feature option to speed up rollover for large futures databases.

Version 4.7.7

Bug Fixes:

- [MIM-340] - Resolved getRecords issue with C and Java APIs that was causing erroneous results when pulling a relation that is located in separate databases and one or more of requested columns are not present in the requested relation.

Version 4.7.6

Bug Fixes:

- [MIM-272] - Fixed makefiles for xmim_schema_reorg, xmim_schema_analyze for Solaris 64-bit systems

- [MIM-279] - Fixed runSchemaReorg.sh to backup the entire database instead of just the schema file

- [MIM-283] - Fixed DBCompare precision computation and date discrepancies

- [MIM-296] - Fixed issue that was causing mimdbck to crash in Solaris when using the "-a" and "-v" option

- [MIM-300] - Fixed formula issue with column "implicit" in Xmim_get_formula_query

- [MIM-308] - Fixed issue in xmim_schema_reorg that was causing newly added columns to overlay existing columns

- [MIM-310] - Fixed XmimSelectRecordsDouble method that was missing from Windows C/C++ API

- [MIM-311] - Fixed issue with XmimSelectRecord that was returning incorrect data containing NaNs or missing data

- [MIM-312] - Fixed issue with time-stamped names in runSchemaCompact.sh and remove columnIdCounter update

- [MIM-318] - Fixed issue with xmim_get that was causing negative integers values to be displayed improperly

- [MIM-322] - Fixed issue that was preventing the user ID to be recorded from the server

- [MIM-324] - Fixed issue with Sparse relcol data that was not filling forward ▪ [MIM-327] - Fixed issue in Solaris i386 to display the correct bit version ▪ Enhancements:

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- [MIM-218] - Added option to mimdbck that deletes corrupted relations and creates a log of them

- [MIM-254] - Developed ability to see completion percentage of mimdbck

  [MIM-269] - Developed a better writer shutdown method to prevent 4091 writer process from continuously running in some cases.

  [MIM-319] - Remove extraneous error messages during xmim_schema_reorg ▪ [MIM-329] - Removed extraneous diagnostic messages ▪ Known Issues:

- [MIM-321] - Bypassing inconsistent formula table during xmim_schema_reorg works in Linux but not Solaris

- [MIM-333] - Mimdbck fails when it has a long database path name

Version 4.7.5

Bug Fixes:
- [MIM-264] - Resolved delete_facts error that was causing a crash in server publisher

- [MIM-244] - Restored -k option on the server

- [MIM-241] - Resolved server crash when executing a rollover query by modifying the ex_relcol.C file.

- Enhancements:

- [MIM-262] - Created ability to allow a dynamic rollover for multi-column and nestd formula queries

- [MIM-251] - Regen_continuous performance enhancement to reduce data load time

- [MIM-243] – Added signal handling and consistent return code for xmim_schema_analyze and xmim_scheme_reorg ▪ New Features:

- [MIM-260] - Added new API call to get count of relation and columns from the database

- [MIM-236] - Created xmim_schema_analyze to help count in free blocks available in a database schema file. (for internal use only)

- [MIM-210] - Created schema copy utility which will reduce the size of database schemas. (for internal use only)

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Version 4.7.4

Bug Fixes:

- [MIM-216] Removed unneccessary error statements from dbcompare log
- [MIM-217] Resolved issue were Server Logs were showing strange characters for application names
- [MIM-229] Resolved adjust contract rollover issues involving formula based symbols ▪

    Enhancements:

    [MIM-222] Modified mimdbck to check data for non-leaf relation type "Futures" in addition to "Normal" type leaf relations ▪ New Features:

- [MIM-235] Created command line utilities for "get relation for alias" (xmim_get_rel_for_alias), "get alias for relation" (xmim_get_aliases_for_rel), and "get formula query" (xmim_get_formula_query).

Version 4.7.3

Bug Fixes:

- [MIM-200] – removed the displaying of extraneous diagnostic information upon startup
- [MIM-190] - Replaced 'RPC: Timed out' message with a more accurate message regarding the slave being to busy to respond.
- [MIM-189] – created 'mimdbck' check that verifies the integrity of active databases
- [MIM-188] - Removed unneeded sleep statement from SetupRPCHandle function
- [MIM-182] – Fixed issue where EOD package was failing to process and preventing server from restart
- [MIM-166] Fix crash when adding formula relcol. Also, remove Purify complaints when starting Server with empty DB (directory structure only)

Version 4.7.2 (Release Date: 11/28/11)

Bug Fixes:

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- [MIM- 174] - Resolved issue with xmim_get when there is no space between the option (-p) and the field (6400) segmentation faults

- [MIM-178] - Resolved issue where Cstored function 'median' did not work on Linux platforms

- [MIM-179] - Fixed scrolling of usage message and hanging on invalid user input of xmim_get_options

- [MIM- 184] - Omit Server publish entries for "create NaN"

- [MIM- 185] - Resolved issue to process front/back/far query requests properly.

- Enhancements:

- [MIM- 141] - Commodity DataServer Binary -- remove wget --

    [MIM-170] - Modified to stop logging of "No one killed" message for production servers ▪ [MIM-

    180] - Added log description for XmimSelectRecordDouble call in server logs.

    New Features:

- [MIM- 146] - Added option to continue with delete of relation-column even when "Unable to read time series from disk" condition exists.

- [MIM- 152] - New auto Regen feature configured with .xmimrc option = "futuresValueTracking: yes/no".

- ** This Feature is turned OFF by default. To turn on this feature or to read more about this feature please view the Continuous Regen Document

- [MIM- 172] - Added new API "GetServerVersion" in server logs.

- Known Issues:

- [MIM- 166] - Adding a formula to a column causes a crash on Ubuntu.

Version 4.7.01.49 (Release Date: 8/8/11)

Bug Fixes:

- [MIM- 32] - Resolved MIM db locked 4091 issue

- [MIM-148] - Resolved issue when C-stored function argument is incorrect

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- [MIM-150] - Resolved relation_column_add issue where aggregation was not explicitly set for composite column
- [MIM-151] - Resolved issue where mimdbcp doesn't copy any data if a data series begins with a NaN
- [MIM-162] - Resolved issue with logging web service api call
- [MIM-164] - Resolved issue where cstored_function hf doesn't run on new server binaries (xmim_4.7.01.43)
- [MIM-166] - Resolved Regen Continuous issue with Formulas
- [MIM-171] - Resolved issue where mimdbcp did not properly handle integer NaN values
  - Enhancements:
- [MIM-149] - Enabled the ~ within database_narrow to be interpreted as $LIMHOME
- [MIM-156] - Enabled logging for api getRelChildrenWithTypes()
- [MIM-167] - Improve startup of slaves from the present arbitrary sleep method
  - New Features:
- [MIM- 60] - 64-bit MIM C API for Windows.
- [MIM-168] - Added an -x option to maintain the slaves are in an "always" running state
  Version 4.7.01.47 (Release Date: 4/29/11)
- [MIM-143] - Resolved Time Series issue with holiday dates/time not presented properly when retrieved with SelectRecords

Version 4.7.01.46 (Release Date: 4/27/11)

- [MIM-135] - Enhancement added apis XmimVASelectRecordsDouble(), XmimSelectRecordsDouble(), and XmimTestNaNDouble() to facilitate double types as opposed to floats.
- [MIM-135] - Addressed an issue with XmimSelectRecords() and XmimVASelectRecords() returning an erroneous result if there are no values to return. This was also fixed in XmimSelectRecordsDouble and XmimVASelectRecordsDouble().

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Version **4.7.01.45** (Release Date: 4/14/11)

- [MIM-140] - MIM Server coring with new 4.7.01.44 binaries

Version **4.7.01.44** (Release Date: 3/25/11)

- [MIM-134] - Resolved unneeded futures rollover processing in query engine which was causing errors with futures formulas

Version **4.7.01.43** (Release Date: 2/28/11)

Enhancement:

- [MIM-131] - Added ability to remove futures contract expiration day and first notice day.

Bug Fixes:

- [MIM-133] - Resolved issue wher relation_alias_add command did not overwrite target when target already exists
- [MIM-130] - Resolved issue where publisher was producing multiple deletes erroneously for continuous relations
  [MIM-128] - Resolved issue involving XMIM Queries that excecute for long periods of time.

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Version **4.7.01.41** (Release Date: 2/7/11)

- [MIM-129] - Resolved issue with logs being spammed by entries indicating repeated attempts to shut down idle slave servers.

Version **4.7.01.40** (Release Date: 2/4/11)

- [MIM-125] - Enhancement to .xmimrc option: echo "webservices: yes" to support user   names containing "@" symbols
- [MIM-71] - Resolved NaN detection on get_records_doubles() manifesting itself in the republisher

Version **4.7.01.39** (Release Date: 12/10/10)

- [MIM-114] - Resolved issue with server when a formula involves regen_continuous.

Version **4.7.01.38** (Release Date: 11/24/10)

- [MIM-112] - Fix for memory issue with the Formula loader.

Version **4.7.01.37** (Release Date: 11/12/10)

- [MIM-95] Fixed the slow down of 4091 writer slave
- [MIM-106] Resolved server issue that causes an error for query involving futures symbol
- [MIM-107] Enhancement created to detect when a client has terminated command and checks to insure that any locks it was holding are released
- [MIM-110] Changed units_measure_load memory management
- [MIM-91] Changes were made to the API to add XmimGetRelChildrenWithTypes and XmimGetColChildrenWithTypes
- [MIM-105] Client Closer Detection on Linux - Client terminates before calling unlock/disconnect on server

- [MIM-101] Resolved Units of Measure errors to the server

Version 4.7.01.36 (Release Date: 10/15/10)

Changed class xmim_server method rpc_get_kids_with_types from private to public (modified api_svr_svc.H)
Fix logging format spec for MIM Server error reporting.
(modified api_svr_svc.C)

Version 4.7.01.35 (Release Date: 9/16/10)

Fixed an issue where deletes identified in the publisher for continuous contracts were not reflected in their corresponding continuous futures. (MIM-63 or 14764)
Enhanced the capability to store large blocks of data in the Mim Server. In earlier versions the limit for a relation size is 512, with this release and the proper flag set in the .xmimrc (bigBlockData: yes) along with a specific client library, we have increased this limit to 16K. The client library and programs (bmim_client, xmim_get, …) required to allow this to work is only available upon request and will not be distributed with this release.

Version 4.7.01.33 (Release Notes: 9/8/10)

Fixed an issue with the Logging. This issue caused the MIM Server to terminate unexpectedly when a specific error message was written.

Version 4.7.01.32 (Release Date: 8/6/10)

Fixed an issue during roll over where roll over did not incorporate contracts that were loaded from a different update file.
Enhanced the solaris platform by better managing the lock counts and connections to the server, taking appropriate action if the connection is terminated prematurely by the client or due to a network outage.

Version 4.7.01.31 (Release Date: 7/19/10)

Reduced the time the Master process starts up the slave processes

Version 4.7.01.30 (Release Date: 7/14/10)

Fixed issue where the slave servers were failing in the logging mechanism.

Version 4.7.01.29

Fixed memory leak found when using mimdbcp

Version 4.7.01.28

Fixed an issue where rollover publishing generated invalid delete entries after holiday/weekend NaN values.

Version 4.7.01.27

Added publishing of multiplicity for relcols is handled as an insert.

Added a 'forced' regen after writer timeout period. New xmim_server -z <timeout minutes> for 4091 slave process.

Added start up warning messages when C-Stored function load (or other) problems occur. Bug Fixes:

Fixed an issue where a value is printed for a CREATE operation in the publisher when the value should have been displayed as NULL.

Made appropriate changes for little/big endian NaN determination for ints Remove temp files after use in HTTP query.

Fix problem with log file name when using high port numbers.

Auto regeneration of continuous contracts not occurring on full (widened) list of databases. This is due to <narrow> <lock> <change data> <widen> <unlock> scenario.

Fix to publisher by removing a double free and made improvements to fix for MIM-28 which contributed to the double free

Version 4.7.1.21

Fixed issue where negative number were returned as NaNs. (MIM-24)

Version 4.7.1.20

Fixed issue where real-time data did not aggregate daily in queries. (MIM-23)

Version 4.7.1.19

Fixed application xmim_rt_update to still work when it encounters multiple columns with same name. (1560)
Fixed the publisher when it encounters a NaN integer.

Version 4.7.1.18

Fixed issue where using open interest rollover caused the Excel client to crash. (4340)

Version 4.7.1.17

Added client handle check when logging.
Fixed time shift in queries that have attributes larger than the query's specified execution units. (61656)
Extended logging capability to include pid, server number, and entitlements group. Added a new log level 5 and 7.

Version 4.7.1.16

Fixed security issue where aliases do not inherit the entitlements of the relations/columns they are referencing. (60974)

Version 4.7.1.15

Bug Fixes:
Fixed memory leaks in the server application mimdbcp. (60918)
Backed out Large bock size support for composite columns (from 4.7.1.7)

Version 4.7.1.15

Bug Fixes:
Fixed memory leaks in the server application mimdbcp. (60918)
Backed out Large bock size support for composite columns (from 4.7.1.7)

Version 4.7.1.14

Fixed table facility when updates to Units of Measure occur while one slave has the updated table open. (30330)

Version 4.7.1.13

Bug Fixes:
Fixed xmim_move utility to support intraday data.
Fixed issue with intraday continuous contracts where contracts are in different database stores.

Version 4.7.1.12

Added timeout option "-t" to xmim_get_rel_paths. (59399)

Bug Fixes:
Fixed publisher handling of doubles in contract relation columns.
Fixed issue with writer_wait command to only sync with databases that are not read-only. Fixed a problem with corrections where it was failing to load initially at times.

Version 4.7.1.9

Fixed Linux issue where the string 'nan' was being printed when 'NaN' was expected.

Version 4.7.1.7

Now syncing schema when unlocking schema to maintain schema integrity. (58483, 57904)

Added large block size support for Composite columns.

Bug Fixes:

Fixed publisher causing problems when publishing during a rollover.(58610)

Fixed publisher issue where new relation columns were added and all subsequent data where shown as CREATE as opposed to the expected INSERT.

Fixed publisher issue where deleted rows showed bad values in log.

Fixed publisher issue where UPDATES old values contained bad values.

Version 4.7.1.6

Fixed issue with the entitlement gui. When an entitlement name (user/group id) is removed from a list, it would be removed from all lists (groups/entitlements). This is now resolved.

Removed DST optimization code introduced in 4.7.1 because it adversely affects "get records" operations.

Version 4.7.1.5

Fixed xmim_server issue involving a "too long" hostname with the "-q" option.

Version 4.7.1.4

Fixed publisher handling of NaN values. (56614)

Futures data can now be "entitled'. Previously, it was a stated/document rule that all futures was given a "free pass". With the new entitlement performance enhancement, customers may entitle/manage futures data access.

Version 4.7.1.3

Fixed bmim_client parsing of command line. The command 'bmim_client' no longer assumes every invalid option entry is a file to parse. (XXXXXX)

Version 4.7.1.2

Fixed memory issues.

Version 4.7.1.1

Fixed builtin issue when it encountered a date/time that was "invalid". (54422)

Version 4.7.1

Optimized entitlement verification for user/group lookups. Very large entitlement lookups could take minutes. With this fix, the same lookup takes seconds. This fix requires reloading the users entitlement database if upgrading from a 4.6.x or older version. (46257)

Added publisher to publish deltas for continuous daily contracts. Provided option for .xmimrc called "echo continuousLoggingP: yes" to turn on option. Default behavior is off. (48962)

Added builtin C stored function to stitch two series together. Fills missing data according to Execute Options if there is a "gap". (XXXXXX)

Bug Fixes

Fixed xmim_get_options "-N" option, which showed the wrong contract name. (49216)

Fixed millisecond query "data 1 value ago". (50089)

Fixed API performance when referencing DST information. (46257)

Fixed openinterest and volume column break when no data is present during rollover calculation. (52330)
Fixed data 'reshaping' to properly handle midnight data point properly. (52330)

Version 4.6.34.2

Added '%exec.within_range' option, which allows users a query "over the last 30 seconds".

Version 4.6.34.1

Fixed real-time data with double columns. (49858)
Fixed reshaping code to handle midnight data point correctly. (52522)

Version 4.6.34

Added a option for .xmimrc "echo PublishExactPrn: yes|no" to turn on logging directly the value found in the facts_read prn file. Default value is off (no). This option does not effect put_records operation. (46779)

Added API XmimGetRecordsOptionDouble() and XmimVaGetRecordsOptionDouble(). (46308)

Bug Fixes

Fixed composite reshaping data from second to minute. (46080)

Bollinger not working with 30 values. (34812)

Fixed P/L query record trade entry date. (46848)

Fixed P/L query not exiting "1 day after entry_day". (46476)

Fixed real-time composite column values. (46591) Fixed memory
issues.

Fixed failure to upgrade server due to entitlements transfer. (47126)

Fixed getCorrections toDate not being inclusive. (45965)

Fixed intraday corrections on Linux. (45484)

Fixed XMIM_SEARCH_LEAVES option for findRelations() API. (48165)

Fixed GE Logging consistency between connect and disconnect of clients to Mim Server. (48473) Fixed
GetCurrentTickDataDates() C# API call. (46261) Fixed P/L query order can enter and exit in same unit.
(48690)

Fixed issue that prevented the 4091 slave properly terminating.

Fixed getRollOverDates() C# API when rolloverday and rolloverpolicy are set to NULL. (45483)

Version 4.6.33.23

Fixed xmim_server issue involving a "too long" hostname with the "-q" option.

Version 4.6.33.22

Fixed Publisher issue for NaN recognition. (56614)

Version 4.6.33.21

Fixed xmim_move utility application for sub_day data.

Version 4.6.33.18

Fixed publisher issue for x86 in put_records.

Version 4.6.33.17

Removed block size limitation for composite relations.

Version 4.6.33.15

Fixed publisher with regen_continuous data (53815)

Version 4.6.33.8

Fixed publisher with regen_continuous data.

Version 4.6.33.7

Fixed unexpected behavior when trying to verify package.

Version 4.6.33.5

Fixed millisecond query using "1 value ago". (50089) Fixed RPC
errors. (51029)

Version 4.6.33.3

Fixed P/L query order can enter and exit in same unit. (48690)

Version 4.6.33.2

Fixed P/L query not exiting "1 day after entry_day". (46476)

Version 4.6.33.1

Reverted optimizations on reshaping issue.

Version 4.6.33

Bug Fixes.
Fixed missing data with composite column after reshaping. (46080) Fixed
bollinger not working with 30 values. (34812)

Version 4.6.31

Bug Fixes.
Fix to forward curve.
Added a comma between the old value and the new value for the corrected prices. Fixed publisher
to publish in correct precision.
Fixed rollover to fill gaps when joined with another series.

Version 4.6.30

Added change to server http support to assume localhost for the LET http syntax. (42783)

Added "geometric backward adjusted prices" to rollover policy. (41425)

Bug Fixes.
Bug Fixes.
Fixed memory issues.
Fixed publisher, when used with multiple databases, records could be repeated once for each database.

Fixed an issue with 64bit Linux servers if their hosted begins with 0x8 or greater.

Version 4.6.29.8

Fixed WilderADX builtin query function. (56451)

Version 4.6.29.7

Added new API calls; XmimGetRelsForFile() and XmimGetSizeForRelcols(). (50216)
Fixed facts read failure. (50808)

Version 4.6.29.5

Fixed bug introduced in 4.6.29.04. Added a comma between the old value and the new value for the corrected prices. (45050)

Version 4.6.29.4

Added new field for publisher on Updates which will represent the old value.

Version 4.6.29.2

Added option to .xmimrc "auto_regen: yes|no" (39838)

Bug Fixes.
Fixed license key checks on 64-bit Linux servers.
Fixed composite columns with different field types. (44164)

Fixed sparse daily data when matched with mulivalue millisecond or any subday data.

Fixed proper formatting to server-side logging for the publisher. The output in the delta log should match the default precision of the rel-col in the database. (44411)

Version 4.6.29.1

Implemented work-around for a solaris 10 bug.

Version 4.6.29

Added http support to the LET statement in the query language. (42783)

Version 4.6.27.15

Optimized entitlements.
Bug Fixes.
Fixed problem with contract units in 64-bit servers.
Fixed memory issues.
Fixed Linux xmim_get utility application. (42875)
Fixed problem with multiplicity in bmim_client. (43034) Fixed
XmimDeleteFactsSelective. (42288)

Version 4.6.27.12

Fixed Publisher. (47544)

Version 4.6.27.11

Added .xmimrc option "PublishExactPrn: yes|no" to print the value as shown in the prn file read by the
facts_read. Default is no. (46779)

Version 4.6.27.10

Fixed XmimGetRecords() API

Version 4.6.27.7

Fixed reshaping for minutely sparse data/time series. (42086)

Version 4.6.27.2

Removed change in rollover that affected volume and openinterest crossover queries.

Version 4.6.27

Added syntax "Monday of expiration week" and "Monday before expiration week" to rollover date. (26952)
Added composite column support for mimdbcp().
 Relation_add works with milliseconds. (29793)
 Added corrections data within the publisher for all updates. (30311)
 Added new API XmimGetRelDescriptions() to get descriptions for an array of relations or columns. (27380)
Enabled logging for XmimPutRecords(). (27595)
 Added two new APIs; XmimGetRecordsDouble() and XmimPutRecordsDouble(). Bug
Fixes.
Fixed printing error to handle error message if Relation is unknown. (30157)
Fixed BMIM facts_write for millisecond composite columns. (27090)
Fixed adding a relation which specifies millisecond in the start_trade_time and end_trade_time in BMIM
(29793)
Fixed error handling in table facility when a bad value (0) is returned when obtaining a string size in the
server's string store. (32734)
Fixed memory issues for xmim_taq. (34350)

Version 4.6.22.08

Added batch_get_relation() utility application.
 Added APIs XmimGetRelsForFile() and XmimGetRelsForFile(). (48239)

Version 4.6.22

Added new API XmimGetDataRangeForTimePoint(). (30371)
 Added new parameter XMIM_TIME_RANGE_TYPE for API XmimVaGetRecords(). (30372)

Version 4.6.21

Bug Fixes.
Fixed improved performance of XmimGetUpdateInfoBuffered() (29840)
Fixed data problem for sub-categories for forward curve queries. (30197) Fixed database_def
file parser not filtering semicolons properly. (20611)

Version 4.6.20

Added BMIM command writer_wait. (29753)

Added user how many contracts to roll with "volume crossover" and "open interests crossover" policies. (25167)

Version 4.6.19

Added xmim_pairs_gen() as an utility application. (29185)

Added suppression of "Relation does not exist" error message in bmim update scripts for relation_alias_add BMIM command. (29408)

Bug Fixes

Fixed P&L query exit on last day of quarter. (29605)

Fixed millisecond data deletion with API XmimDeleteFactsSelective(). (30048)

Fixed Logging of error message for forward curve. (29792) Fixed CONTRACT operator in query LET operation. (29290)

Version 4.6.16

Fixed query when query is sent to a read-only database. (29561)

Version 4.6.15

Fixed API XmimVaPutRecords(). It did not process the milliseconds in the trading-range which is specified by XMIM_FROM_TIME and XMIM_TO_TIME.

Version 4.6.14

Added publisher logging for the put_records() API call. (28209)

Added new option '%exec.num_days_per_week' to fix trading pattern problem.

'%exec.num_days_per_week' can be 5 or 7. Default value is 0. 0 means no behaviorior change. (29071)

Version 4.6.11

Provide user with the capability to skip contracts during rollover. Mechanism to skip contracts is for the user to specify identical expiration dates. (28253)

Fixed linux 32 bit failure when a full log file is encountered. (29071)

Version 4.6.10

Modified XmimFindRelations() and XmimVAFindRelations() to limit searches. (27852)

Version 4.6.8

Added inheritance for trading_pattern, start_time, and end_time, where these attributes can be inherited from the parent category when adding a relation. (27426)

Version 4.6.5

Added new option "%exec.uniontime". (23695)

Version 4.6.1

Added %exec.strictvariablenames option. (21418)

Added "disablebackadjustment" feature to .xmimrc. (22900)

Added new API XmimGetNumRecords(). (22124)

Added restriction for variables not. Variables can not contain '$' or '@'. (21418)

Added an option "-N" to xmim_get_options() API command to include a column for the the contract name per a customer request. (24072)

Modified API xmim_get_constituents() arguments so that old component lists can be created. (24210)

Removed 'Other' category from database initial creation. (21992)

Added BMIM database_def_write command. It creates a file with defs for the database currently narrowed to. Additional commands added are "print_daily_file", "print_intraday_file", and "print_tick_file", which retrieve and print actual relcol location. (18087) Added support for millisecond queries.

Bug Fixes.

Fixed perpetual rollover caused database size to increase too rapidly. (21116)

Fixed '%exec.summaryreportonly: yes' unexpected behavior. (20886)

Fixed unexpected behavior when using the bmim query_graph command. (23526)

Fixed API XmimVaGetRecordsAllColumns(). It was returning NaNs despite having XMIM_SKIP_ALL_NAN option set. (22070)

Fixed '%exec.missingdatananfill'. (16728)

Version 4.6

1. Forward Curve Functionality

2. Second and millisecond data accessible from the MIM query language

3. Composite columns accessible from the MIM query language

4. C Stored Functions

Future Enhancements:

64-bit support for Linux