

Streamlining Development: 3forge's Latest Release

In its newest release, 3forge continues to push the boundaries of data management and visualization, unveiling powerful features designed to enhance efficiency, customization, and user experience. These latest updates exemplify our commitment to delivering innovative solutions for complex data challenges.

ENHANCED EXCEL COLLABORATION

We've introduced advanced Excel functionalities that streamline data analysis workflows. The Flexsheet Excel functions enable template-based workflows, empowering users to manipulate complex spreadsheets effortlessly. By addressing scenarios where files are too large to optimize and incorporating robust error handling, 3forge ensures a seamless Excel experience, enabling users to quickly identify key insights.

FEEDHANDLERS & DATASOURCE ADAPTERS

Our addition of adapters expands connectivity and integration capabilities. The AmiTibcoStreambase and Tibco EMS feed handlers, combined with the new Snowflake Adapter, provide unparalleled flexibility for sourcing and processing data in real time and batches. Enhanced JDBC adapters simplify query generation while supporting SSL/TLS and private key authentication for secure data connections. These enhancements solidify 3forge's ability to ingest and blend data seamlessly from diverse sources.

CELL FLASHING ON TREE GRIDS

Reflecting real-time updates, cell flashing on tree grids delivers instant visual feedback for data changes. Previously a feature only available in tables, this update provides clarity in data monitoring, allowing users to spot crucial updates in tree grids at a glance. When combined with added support for numeric values and improved CSS styling, cell flashing enhances real-time data tracking, making it easier to monitor market shifts, transaction changes, and operational adjustments.

AMI Web

- Added support for dynamic redirect url
- Better AmiPreparedRowImpl entrySet next()
- Added cell flashing to trees for reflecting realtime updates
- Support symlink parsing in start.sh
- Change the datasource use options to allow objects, now directives are a Map<String, Object> allows for variables to be passed to the datasource
- Added divider help
- Update CacheResource to be able to pick up resources in jars
- Hidden panels now grayed out if there are no sub menus to show
- HTML fields for date time, date range, date, and checkbox now pick up all styles
- Added search field in the Add Datasource dialog window
- Ensure field remains focused after using
- autocomplete/menu items for amiscript/Edit HTML field
- Added CSS style for numeric values
- HTML text field now supports moveCursor
- Added equality checks on set methods
- Updated FormPasswordField to return Password object instead of a String
- Slider now shows decimals for both text fields
- HTML Add Field options now sorted alphabetically
- Whole numbers now show decimal component if precision > 0
- Added backwards compatibility to alert styling
- Table Column id changed to type String from Object
- Add flexsheet excel functions (template based workflow)
- Implemented handling for case where file is too big to optimize
- Better error catching for Table Tooltip
- Better logging for String char reader
- Added skipBytesFully(...) method
- Set up text field to do moveCursor

AMI Center/AMIDB/AMIHDB

- Better logging when there is a table/tree formula error
- Addressed case where file is too big to optimize
- Added USE MinOptimizePct=%nn to HDB optimize logic
- Added property ami.db.console.prompt to control amidb prompt suffix
- Lock HDB tables when optimizing

AMI Relay

- AmiClient now supports UTC, UTCN and Complex
- Made Callbacks, Bytes, and Password JSONable
- Implemented reconnect logic to Tibco Streambase Feedhandler
- AmiClient supports DateMillis, DateNanos, Complex, Bytes and UUID
- Add property to disable cert validation for OAuth plugin
- Better error handling in RELAY Trigger
- Update CacheResource to be able to pick up resources in jars

AMI Script

- Update values and entrySet iterator
- Support entryset in AmiPreparedRowImpl
- Rename doubleQuote(sb, start, end) to doubleQuoteInPlace
- Add SH.doubleQuote(StringBuilder, start, end)
- USE parameters are now case insensitive
- Updated buildOptions to use LinkedHashMap
- Added XmlParser and XmlElement methods to AMIScript
- Updated function StringBuilder::getLength to length()
- Added support for {} blocks to be in code: ex: int n={int a=4;int b=5;7*13*a*b;}
- Print AMIScript class type name (rather than java alternative) on command line return
- Added DESCRIBE METHOD func(arg1, arg2, ...) and SHOW METHOD func(arg1, arg2, ...) in AMISQL
- Added PdfBuilder::setIndent(...) method
- Renamed StringBuilder::replace to StringBuilder::splice

AMI Script (continued)

- Update AmiScript Password object remove Password::getRawPassword and add Password::peekAndClear()
- Updated Shuffle method
- Added method TablePanel::addColumn(...) to create transient columns programmatically
- Add method Table::isEqual(Table tableToCompare, boolean ignoreRowOrdering, boolean ignoreColumnOrdering)
- Add support for Table::isEqual(boolean ignoreRowOrdering, boolean ignoreColumnOrdering) method
- Update AmiScript Password object remove Password::getRawPassword and add Password::peekAndClear()

Adapters

- Update JDBC Adapters support prependSchema
- make a big change to JDBC Adapters to simplify and reduce the adapters
- Updated SQL Adapters
- Enhanced JdbcAdapter and added getSchemaName helper to improve smart query generation
- Added dependency to pom.xml for AmiTibcoStreambase project
- Rolled out AmiTibcoStreambase Feed Handler
- Rolled out Snowflake Adapter
- Added dataType option to the RestAPIDatasourceAdapter
- Rolled out Tibco EMS Feed Handler
- Add StartTLS option to ldap, additional configs for ldap and TLS
- Added logic to only begin ingesting data when AMI Center is ready for HazelcastMap feedhandler
- Update AmiHazelCastFHMap to support table name mapping
- Update pom & source for unified Kafka Feed Handler
- Add SSL/TLS support to AMI JDBC connection
- Add support for private key auth
- Changed JDBC DatasourceAdapter buildJdbcArguments to return Map<String, Object> instead of Map<String, String> needed for passing through properties

Look and Feel

- Add AMPS image for create ds
- Added version number to Oops alert dialog and stack trace
- Updated existing datasource icons and added logos for newly added adapters and feed handlers
- Updated the row hover background
- Updated the background of sessions and the logout page
- Enhanced padding for alert buttons/body text

Misc

- Don't show password in plaintext in the log
- Support added for table mapping
- Updated PasswordManager with new init method and created AmiPasswordEncrypterPlugin interface
- Added values to AmiPreparedStatementImpl, + also fix the entryIterator containsAll
- Added support for redirects, persistent cookies, and auth headers
- Update login message response for failed logins
- Update login page to escape error message
- Updated Onetick
- Implemented logic in AmiUtils.s to JSONify objects (important)
- Improved logging messages for string char reader
- Use \"\\\" instead of no modification for postgres upload
- Introduced Proper CaclFrameStack and moved Field Styling out of HTML panel
- Improved security on Password and FormPortletPasswordField
- Add Caster_Password, to cast Strings to Passwords, note please make sure when using them to clear them after use
- Improve security on Password and FormPortletPasswordField

If you have any questions about these new features or would like a demo, please email info@3forge.com.