3forge

Fall 2023 Release

RELEASE NOTES

Open up new data flows with FDC3, Solace, and Hazelcast

Explore many practical enhancements that simplify the work of developers, as well as new integrations with the FDC3 standard for Openfin, Hazelcast and Solace feed handlers.

AMI Center

- 18,732 Updated `protobuf` parsing for the Solace feed handler.
- 18,700 Added `canMutateTarget` to `AGGREGATE` trigger
- 18,696 After `USE` clause clear all stop words except `EXECUTE`,`SHOW` and INSERT
- 18,666 Added a workaround for a copy&paste issue with Openfin
- 18,660 Added `RELAY` trigger
- 18,200 Allowed users to customize notifications in Openfin
- 18,024 Optimized caching for `double` and `float`
- 18,008 Optimized `update` casting
- 17,971 Ensured user/developer/scm setting fields are boldened
- 17,965 Handled center disconnect
- 17,964 Optimized replication (use short keys instead of key string names)
- 17,963 Optimized replication target
- 17,755 Changed amiscript `RealTimeEvent::getAction()` to return '`S`' instead of '`I`' when insert is due to a snapshot
- 17,708 Added `setRatio` and `setStickyness` AMI Web Script method for heatmap.
- 17,693 Now use `nextId` to get a grouping name, added position range check
- 17,686 Added option `ami.jdbc.auth.plugin.class=${ami.db.auth.plugin.class}`. If an `auth.plugin.class` is not specified, then the service is disabled

AMI Relays

- 18,649 Updated OAuth plugin to allow for disabling refresh token
- 18,626 Now uses a different search scope (sub) for backwards compatibility. Added a log line.
- 18,404 `AssertEq/assertNe` now handles `NaN` (ex `NaN == NaN`)
- 17,844 Added more styling to arrange column portlet
- 17,825 Added `userHiddenAlwaysRows` to `AmiOne.amilog`
- 17,782 Add `null` check for `checkColor(...)`
- 17,778 Added `email.client.exit.on.error=true`

AMI Web

- 18,712 Renamed `canMutateTarget` to `allowExternalUpdates`
- 18,694 Added `where` option to `RELAY`
- 18,689 Now stores `amiCustomCss` in `.ami` files as multi-line array
- 18,673 Added bulk process inserts for hdb
- 18,672 Added `getHostName()` to FileSystem
- 18,664 Now forces hdb table filehandle pool size to be at least the number of columns + indexes
- 18,651 For HDB, only flush persisted after all queued actions are processed.
- 18,625 Added property to set table name in AMI for hz maps
- 18,619 Added IDs in quick filters for trees and tables for XPATH
- 18,585 Added the Solace feed handler
- 18,575 Added backwards compatibility mode for `div`
- 18,541 Now supports 206 partial content (range header request)
- 18,486 Web Resources now stored on web server, Optimized caching. Added options `ami.web.resources.dir`, `ami.web.resource.cache.ttl`
- 18,472 Now supports `.db` as binary
- 18,466 Added secure file handler
- 18,460 Added `getexistingvalues` property for hazelcast maps and fixed AmiMessage outOfBounds exception
- 18,428 Changed `LH.info` for logging listeners to `LH.fine` and also updated to `SH.toObjectStringSimple` for getting object ids
- 18,426 No longer calculates default `WHERE` clause unless `WHERE` is part of params. Closed temporary `dmlink` to avoid a memory leak
- 18,409 Added `service.init` boiler code, amd added logging for service `panelsListener`
- 18,363 Now supports UTF surrogate char pairs (emoticons)
- 18,355 Added `baseDN` as a property instead of hardcoded value
- 18,340 Made limit processor and ascending backwardly compatible
- 18,212 Optimized Openfin parameters
- 18,210 Enhanced Openfin notification support
- 18,168 Changed variable name (from millis to seconds)
- 18,133 Renamed realtime processors
- 18,132 Integrated with openfin fdc3
- 18,082 Re-added `tablePanel::setHiddenColumns(...)`
- 18,073 Added `LIMIT` realtime processor
- 18,067 Added a method where the user can change the background of the page for the pdf builder
- 18,031 Marked `ami.web.default.layout` as deprecated
- 18,029 Enhanced the accuracy of memory usage estimate for columns
- 18,002 Fixed index out of bounds exception by amending the trigger behavior: it shoud not hydrate target table `onStartup()` but on `onInitialized()`

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17,972 Reworked authentication for production usage so all users have end user permissions, add user session variables for identification

17,940 Improved casting performance improvement

17,934 Used `Password` class instead of `string` for `AmiWebLoginRequest`

17,899 Added column formatter for trees to be consistent with tables (ex: numeric, date/time, etc)

17,898 Improved performance of json to frontend for options.

17,887 Added `ami.web.splashscreen.info.html` to add information on the splashscreen

17,884 Now keeps arrange column scrollbar styles to itself, other select field styling should be unaffected

17,875 Added `onScroll` callback on tables

17,873 Arrange column scrollbar style is now compatible with firefox

17,871 Added `strip()` to String in amiscript

17,869 Made arrange column scrollbar rounded by default

17,854 Added support to `JsonBuilder addKeyValueAutotype` Iterable, i.e. `List` and `Maps`

17,853 Improved tree performance

17,852 Now limits scrolling to 25 frames per second

17,850 Ctrl/alt/shift key events are no longer sent by themselves. Now conflates table/tree scrolling.

17,838 Added missing throws exception

17,829 Added `getTitle()` AMI script method to filter panel to get AMI title instead of title portlet title.

17,827 Added `setTitle` AMI Script method and fixed `getTitle` AMI Script method so the title can be changed through settings.

17,823 Added SUPRT-1472 to KX array types B I S T

17,806 Removed the 1px offset that was for testing purposes only

17,799 Added `OneClick` option to column settings to allow one click fire `onCellClicked()` callback

17,790 Added `session::setLabel/setLabel`

17,787 Disable row hover row animation on headers

17,773 Added deprecated flag to `isSnapshotProcessed`

17,771 Added `isInsert`, `IsUpdate`, `isDelete`, `isSnapshot`, `isAdd` amiscript methods to `RealtimeEvent` object

17,756 Changed grip border radius from range field to toggle field

17,747 Now supports casting of boolean to/from number `(0 => false,!0=> true,true => 1,false => 0)`

17,731 Added `setMaximumOptions`, `setFilterType`, `setColorExpression`, `setFormatExpression`,and `setSortExpression` AMI Script methods for filter panel.

17,729 Improved user experience

17,721 Added styling option for tiny square on bottom right corner for any visualization with scroll bars

17,711 Improved performance of `UPLOAD` to amidb

17,707 Now handles partial bytes written for an HDB column

17,699 Added `users.access.file.for.entitlements` to common properties

17,691 Added ability to override `access.txt` file for a particular authenticator

17,668 Added the ability to disable/enable sessions, support `!` in `headless.txt` to not start session on startup

17,667 Last saved layout is now reloaded on logout/log back in

17,656 Updated REST adapter to handle empty strings

17,648 Updated `Saml` Plugin to handle trailing `RelayState` in response

Miscellaneous changes

18,747 Added `AmiClient.ENABLE_AUTO_FLUSH_OUTGOING, setBufferSizeIn(...), setBufferSizeOut(...), setAUtoFLushBufferMillis(...)`

18,719 `Decorate` trigger now properly fires downstream `onUpdates`

18,699 `Update relayTrigger` now throws an error if the trigger cannot connect to AMI Relay

18,670 Added `toString()`

18,641 Added support for refreshing temporary sqs credentials

18,612 Now clears out `boxShadow` when `size` is unset

18,543 Hazelcast: added support for hz serializables, added "`getexistingvalues`" for individual maps, added sample `RefPricePortable`/Factory class

18,484 Updated `AmiWebObjects_Union` to add additional logging

18,468 Aded support for videos in mimetypes

18,432 Forward and redirect for file system handler now uses relative paths

18,412 Added more logging for listeners count, also added `initManagers` method and `clearManagers` method

18,402 Added support for subscribing to hazelcast maps, fix for `Oracledb ds` adapter invalid url with special character passwords

18,365 Now supports emoticons in menu items

18,364 `RootAssister` toJson now uses `ObjectToJson` classes

18,321 Added `hazelcast` and `awssqs` modules

18,221 Now allows `nulls` in HDB partition column when inserting from realtime

18,052 Add `edgetBestImageType`(...) amiscript method

18,019 Updated `tabs.js` support scrolling when dragging to rearrange tabs

17,976 Added `autosave` prompt setting in developer settings where you can either hide or show the prompt.

17,962 Optimized `AmiPreparedRow` for faster updates/inserts

17,944 Added number of rows in search bar for trees

17,943 Optimized columnar table by using array instead of array list

17,942 Optimized `clear()`

17,941 `SystemOutFinder lgos hh:mm:ss.SSS` is now in UTC instead of raw epoch

17,936 Added `ami.web.default.DEFAULT_LAYOUT` and `ami.web.default.LAYOUTS`

17,917 added menu hover styles, right arrow is now an html element instead of image to pick up colors

17,855 Updated `JsonBuilder` by adding autotype casting numbers to 0 to the actual value

17,840 Added support for amps upload for amps datasource

17,839 Small optimization to process upload for `jdbcadapter`

17,812 Better dragging for divider, prevent clipping outside of available space for divider to move.

17,785 Added alpha option for color and color gradient chooser

17,748 Upload to HDB now uses HDB tables's thread. Avoid boxing/unboxing for insert into hdb

17,717 Moved alert to dashboard styling to allow user to control style inheritance on alerts, moved `portletStyleManager_Confirm` elements to `portletStyleManager_dialog`; phased out `portletStyleManager_Confirm`
Alert dialog now inherits from `GridPortlet` as opposed to

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`AmiWebAbstractPortlet`
Alert dialog that spawned from `session.alert` has a unique identifier to help with applying styles

17,715 Now supports batching with fast amidb insert

17,701 Now correctly picks up `isLeaf`

17,692 Renamed `AmiAuthenticator` to `AmiAuthenticatorPlugin`

17,658 Added autocomplete to f1 console terminal

17,653 Optimized arrays

17,639 Added `ami.web.message.license.expires`,`ami.web.message.max.sessions`, `ami.web.default.ISDEV`, `ami.web.default.ISADMIN`, `ami.web.default.MAXSESSIONS`, removed `WebuserAttribute.java`

17,633 For multi-checkbox dropdown field, dynamically recreate menu on data model data update

17,627 Now supports formula-based column for `SpreadSheetBuilder` amiscript class

17,621 Now handles case of old `PGID url` being accessed

17,616 Added Session description. `/3forge_sessions` uses ajax for realtime updates.

17,615 Now suppresses error on `visibility=false` callback after session ended

17,613 Now supports `Close` in `3Forge_sessions`

17,610 Reworded alert styling options

17,608 Users are no longer able to delete layout default styles

17,604 Now handles `desc` as a column name (not key word). Example: `select t.`desc` from sometable`

17,602 If showing divider in datamodeler, force show divider option to be checked

17,601 Improved arrangement of settings

17,598 Added `amiscript: FormPanel:importField` and `FormField::exportConfig`

17,594 Improved file menu arrangement

17,587 Added import/export fields, and refactored `fieldStatus` to `fieldVisible`

17,586 Now skips `dsrt` in config on default

17,585 Now skips config entry on now values

17,584 Now skips config entry on no dm

17,582 Added Log exception for `FormPanel::addField...(...)`

17,581 Added parquet project

17,579 Field editor selection is now maintained on refresh, panel resize, etc.

17,559 No longer triggers a click on the loading gif on user mode

17,556 Added sftp adapter icon

17,554 Added sftp datasource adapter

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