3forge

3forge wrapped up 2021 with a broad range of features making development and security at scale even easier.

We now have full integration to 3rd party key management systems for realtime key access: this means passwords and other sensitive properties never need to rest on the server hosting the 3Forge platform. Also, dashboards now support "transient" objects, meaning users can have code that dynamically mutates the dashboard without affecting the underlying dashboard definition.

AMIScript:

- Tab::setHidden –
  To hide/show a particular tab

- TabsPanel::setSelectedTab(...)–
  Focus on a particular tab

- Window::setType(..),getType(),resetType()–
  Control the behavior of a window: Hidden, Maximized or Normal

- Session:getValues()–
  Returns a map of all session level variables

- Session::callCommandSync –
  Supports a timeout parameter. As the command is dispatched to external processes, amiscript will be backgrounded until either the external process returns or the timeout is reached

- Panel::exportConfig(...) –
  Supports ability to export underlying datamodels

- FormMultiCheckboxField::getUnselected(...)–
  To get all the unselected items from a MultiCheckbox field

- TablePanelColumnFilter::getInputText()–
  Returns the input text in a column filter

- Expanded language to allow Variable redeclaration within inner blocks

Properties:

- ami.amiscript.default.timeout –
Control the default timeout (in milliseconds) for amiscript

- F1.properties.secret.key.decrypters –
For interfacing with external key stores, enabling passwords, etc to be kept outside of config files

- ami.aes.key.text –
Instead of using the default file, pull from a property, which may be from an external secure key store

- https.keystore.contents.base64 –
Instead of using the default file, pull from a property, which may be from an external secure key store

- Ami.db.write.lock.wait.millis –
Tune the balance between locking for read vs write priority in AMIDB

- Added secure socket support for multiple centers

AMIDB SQL:

- Added CALL SHOW_TRIGGER_ERROR(triggerName) –
Show the most recent error for the supplied trigger

- Added RESET_TRIGGER_STATS –
Reset the statistics of a trigger

- Added CREATE TIMER now supports LIMIT in the USE CLAUSE

- Changed SHOW [TIMERS, TRIGGERS, PROCEDURES, DATASOURCES, …] –
Long text is truncated for ease of display purposes

- Added SHOW FULL [TIMERS, TRIGGERS, PROCEDURES, DATASOURCES, …] –
Displays full text

- DROP [TRIGGER, TIMER, PROCEDURE, INDEX support a comma delimited list for dropping multiple items in a single command

- The AMIJDBC driver supports TableResultSet nextResultSet(), so that multiple tables can be returned in a single statement

Look & Feel:

- » Flashing row in AmiScript editor for compilation errors/warning messages

- » Add meaningful icons next to line numbers in AmiScript editor (error/warning/info)

- » New loading animation during the post-login proces

Usability:

- Quick jump from debug log to callback code via double click

- All Callbacks have in-product documentation

- Added %s to logger for printing entire stack trace as a single line: useful for automated log scrappers

- Datasource Adapters that support advanced options are now documented within the front end and have curtailed input fields.

- Added On Automated Logout option to my developer settings

- Added userIdle mode

- Support Transient Objects inside AMI dashboards

- tools.sh has, —aes_encrypt_file, —aes_decrypt_file, —aes_generate_with_cksum. Tools.sh can work with ami aes file. AmiAuthenticator plugin has convenience methods

- Support renaming user menu title for custom menus in the top menu bar

- Object Browser tool now shows individual methods inside the custom methods tab. Additional features include:
  - » Quick jump to method via double clicking
  - » View configuration via right click
  - » Diff two configurations

- Support for viewing JS error from the error dialog via clicking the "more" button

- Add option to disable form button fields after first click

- Add support for relative files for Included Layouts from the Cloud

- Add additional logging for show tables and preview data

- Add additional diagnostics statistics to Data Statistics for datamodels

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