Release Notes 6.2.12 - Patch Release | 13.01.2016

Remarks
Release notes with changes since version 6.2.11.

Upgrade Notes:
No special actions are required when upgrading from Appway 6.2.11 to 6.2.12.

Appway Platform (Core)

💡 Feature

Area	Importance	Description
Data Table	Low	Added a new property to actively set the page number to be rendered, called 'Page Index'. Once this property returns a value >0 the value will be used to render the corresponding page. If the property is empty, null or <= 0 the table will fall back to its default behavior.
Monitoring	Low	The status of system health sensors is now exposed via JMX. The sensor beans are registered under "com.nm -> SensorsInfo". Also, "summary" beans for each level (e.g., warning and error) have been added. They are registered under "com.nm -> SensorsInfoSummary".
Script Language	Low	The function "USERS" has been updated to accept an optional parameter of type "UserPredicate". This allows to perform a distributed filtering for users to be returned by the function. The new function "USERIDS" can be used to retrieve only user IDs. It also has an optional parameter of type "UserPredicate".
Script Language	Low	Two new functions have been added to quickly get a list of IDs of certain process instances: "ProcessInstanceIds" and "LocalProcessInstanceIds". Both functions accept a parameter of type "ProcessInstancePredicate" to provide filter criteria for a distributed search.
System Health	Low	New sensor "Log4j Configuration" added. This sensor compares the logging configuration on all cluster nodes.
System Health	Low	New sensor "Process Message Queue Size" added. The sensor switches to WARN level if a queue contains more than 500 messages, and to ERROR level if it contains more than 1000 messages.
System Health	Low	New sensors added: "Unique Properties" checks that certain configuration properties have unique values on every cluster node. "Node Configuration" checks that certain configuration properties are identical on all cluster nodes. "Extension Configuration" checks that all extensions have the same configuration on all cluster nodes.

📝 Change

Area	Importance	Description
Data Table	Low	Do not cache execution context in ComponentDataTableModel. The execution context keeps a service reference and therefore an instance of a ComponentDataTableModel would also keep a service reference. This is bad behavior. To break this reference chain, we no longer cache the execution context. After this change the size of an instance of a ComponentDataTableModel can be computed with our ObjectExplorer.
Data Table	Low	When filtering a data table, the table will now reload the first page when in paged mode and the first rows when in scrolled mode instead of staying on the same page/scroll-position.
Security	Low	Use OWASP ESAPI utility method "StringUtilities.stripControls(String)" to remove all characters other than printable 7-bit ASCII characters from UID prefix and extension names.

🐞 Bugfix

Area	Importance	Description
Business Object Editors	Low	Business objects that are displayed in the library on the right side will now be displayed as deleted if they currently are deleted but not committed.
Business Object Editors	Low	Dependencies update problem in 3 editors.
Business Object	Low	Fixed bug that was preventing to use dropdowns in the header of business object editors in

Editors		Firefox.
Cluster	Low	Safe initialization of Cluster ID generator. This is a workaround around Hazelcast issue 7290: https://github.com/hazelcast/hazelcast/issues/7290
Cluster	Low	Use a different Hazelcast executor to execute the application state task. This is required to be able to startup a node in a system which is under load.
Dashboard	Low	Fixing sum and average in node inspector.
Data Class Editor	Low	Fixed styling issue when inheritance is used not all properties were displayed.
Data Table	Low	A conditionally visible column will now get rendered in the correct position.
Integration Links	Low	Fixed redelievery options were not taken into account when exceptions were thrown, only when Camel errors occurred.
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Libraries	Low	The class "org.w3c.dom.UserDataHandler" has been removed from the Jaxen library JAR file. This class is already part of the Java core API (JDK/JRE) since Java 5. Having this class both in Appway and in the Java core has caused class loading constraint violations (LinkageError) on some installations. The name of the JAR file has been changed from "jaxen-1.1.1.jar" to "jaxen-1.1.1-patched.jar".
Monitoring	Low	Fixed calculation of value "WriteBehindQueueSize" in JMX MBean "HzMapServiceInfo".
Process Editor	Low	Changing the type of a connection to an event-based connection now correctly generates an attached intermediate event.
Process Editor	Low	Copy&Paste and Duplicate operations correctly handle attached intermediate events.
REST Service	Low	The REST servlet now sets the HTTP header "Content-Type" to "text/plain; charset=UTF-8" by default.
Rule Editor	Low	Fixed bug that in rules editor makes the scope variable editor panel to appear empty on second click.
Script Editor	Low	Prevent self-closing XML tags contained in Appway Script strings from being expanded when the script editor is reopened (e.g., "<element/>" to "<element></element>")
Security	Low	Workspace: Fix for cross-site scripting issue in Scope Debug View screen component.
Studio	Low	Administration: Logging: Loggers: Fixed a StringIndexOutOfBoundsException if a logger was present that ended with a dot (.)
Studio	Low	Fixed Library BO multi-selection broken on Mac.
Workspace	Low	Ajax Update Area: Restore the window's scrollTop position and focused element after an Ajax Update.
Workspace	Low	Dropdown List: Pre-select the first option when the property "Show Select..." is disabled, instead of showing an empty component.
Workspace	Low	Info Table: Changed color settings that only direct child text components will be colored. Removed: Not needed InfoTable.css files.

Appway Java SDK

💡 Feature

Area	Importance	Description
SDK	Low	The UserPredicate now supports to filter for users which have a given preference value. Only String values are supported.

📝 Change

Area	Importance	Description
SDK	Low	License log entries can now be removed without causing exceptions within the LicenseLogEntryListener.
SDK	Low	System Health Sensor API: The Sensor class now takes only "s", "%" or "c" as a unit.

🐞 Bugfix

Area	Importance	Description
SDK	Low	Fix UserService.getUserIds() to return also thread-local changes.