Release Notes 6.3.3 - Patch Release | 13.04.2016

Remarks
Release notes with changes since version 6.3.2.

Upgrade Notes:
No special actions are required when upgrading from Appway 6.3.2 to 6.3.3.

Appway Platform (Core)

💡 Feature

Area	Importance	Description
Diff Viewer	Low	The viewer now remembers the status of the "Show Changes Only" setting when changing one of the compared versions.
Studio	Low	Administration: Job Scheduler: The Job Scheduler table now shows information for scheduled jobs per cluster node. It is also possible to pause/resume and trigger jobs selectively on a specific node or on all nodes in the cluster. Also pausing of the schedulers on all nodes is possible. Previously the Job Scheduler table showed a mixture of information from the local node and from all nodes in the cluster.
Studio	Low	Screen Statistics: Show not only cluster-wide Screen statistics in the Studio, but also for each cluster node separately.
Studio	Medium	System Health: New system-health sensor "Job Scheduler State" checking if the job schedulers are in identical state on all nodes.

📋 Change

Area	Importance	Description
Cluster	Low	The workflow token lookup cache is now kept warm by means of a Quartz job which periodically creates a snapshot of the locally owned process instances and publishes it to an Hazelcast topic in order to synchronize the caches of the other nodes in the cluster. The behavior of this functionality can be customized with the following properties: - nm.cluster.localworkflowtokenlookupcachesnapshot.compressor: compressor to be used when transferring snapshots. The default is Lz4. - nm.workflowengine.tokenlookupcache.refreshjob.schedule : cron expression used to schedule the job creating and publishing snapshots. The default value is set to execute the job once every 10 minutes. - nm.workflowengine.tokenlookupcache.refreshjob.paused: boolean value used to pause the job. The default value is set to false.
Configuration	Low	The scheduled job "Reload Configuration" is no longer needed and has been removed.
Data Table	Low	The status bar numbers (visible row count, total row count, page count) will now be rendered with the same format like other components do. The formatting is determined according to the Locale in use. Appway first checks the configuration property "nm.default.locale". If it does not have a value (default), Appway will get the default locale from the Java Virtual Machine.
Diff Viewer	Medium	TextDiff: TextDiff now doesn't suppress empty lines anymore.
Discussion	Low	Project messages: Removed single click on imported attachments. Double click still opens the business object in the editor.
Discussion	Low	Project messages: The import messages has been slightly redesigned showing the Import log has the first and only uncollapsed attachment. The show attachments toggle now is on top of the list and the list gets truncated with a courtesy message at 50 attachments. Also simplified the html output removing the href on the attachemnts anchors, instead a css rule has been added to show the cursor mouse pointer. Also the js file has been modified to reuse the data-attribute stored sentence which is now built only on server side to avoid logic duplication.
Script Language	Low	Added minor fix to the execution of a Data Class Method. Now the Data Value is passed as parameter instead of the object that the Data Value wraps. The fix is a safety measure that bypasses potential developer errors in the Java code executed during the evaluation of the Data Class Method (e.g. a custom Function). The Java code might assume to be working with a Data Value instead of its wrapped object, causing an exception. In any case, the Data Value gets unwrapped when the wrapped object is actually needed.
Studio	Low	Administration: Job Scheduler: The dialog for editing a job now uses a Data Table to display all the triggers and an inline-editor for editing the cron expressions.
Studio	Low	Administration: Licensing: Assignment Rules: The assignment rules module now uses a

		Data Table to display all the license assignment rules.
Studio	Low	Administration: Licensing: Report: The license report module now uses a Data Table to display all the license reports.
Studio	Medium	Administration: Licensing: When the license file is replaced, all access licenses already assigned to users are unbound. The users will then (automatically) be assigned new licenses from the new license file. Before this change licenses assigned to users remained assigned when the license file was replaced.
Studio	Low	Format Pattern Manager: The Format Pattern Manager now uses Data Tables to display its content.
Studio	Low	Library: The properties panel on the right side now uses a Data Table to display the files which are attached to a business object.
System Health Service	Low	Increasing timeout for asynchronous execution of sensor-related distributed tasks from 2 to 10 seconds.

🐞 **Bugfix**

Area	Importance	Description
Cluster	Low	The signals queue is now initialized within the constructor of WorkflowMessageServiceImpl. Also, the two default queues (signal and default message queue) can not be deleted anymore.
Data Table	Low	Fixed the vertical alignment of cell icons for the studio and workspace version 1 and 2.
Data Table	Low	If a value of an editable cell is saved, but the server runs into an exception, the UI will now show a well formed stacktrace of that exception.
Data Table	Low	If the user renders a screen with a DataTable and the DataTable has labels in its cells. If then the user changes the desired language (e.g. in the browser settings) and reloads the page, the labels will now be translated correctly to that new language, if it is available.
Data Table	Low	In the workspace with css version 3, if a Data Table showed inline editors that were rendered permanently, the row height was not correct anymore. In large tables, this lead to wrong calculations for the start and end index of rows to be rendered when scrolled very far down the table.
Dependencies	Low	Fixed bug in dependency check which caused Primitive Type methods not to be found while validating script language code from the global validation studio page.
Diff Viewer	Low	Optimized rendering of diff viewer of a newly created Script Function and its first change.
Diff Viewer	Low	TextDiff: Fixed a bug on IE9 aligning blocks vertically, fixed a bug on chrome about adiacent blocks max height calculation
Diff Viewer	Low	TextDiff: Fixed a CSS problem caused by the shared header with the BO Diff viewer
Diff Viewer	Low	TextDiff: Fixed test specs to reflect new CSS classes names
Diff Viewer	Low	TextDiff: When comparing two completely empty texts a single difference was shown along with the "Content identical message". Now the difference is not displayed anymore.
Diff Viewer	Low	The Business Object diff viewer now takes multiple property tabs into account and displays them too. Before, all properties were displayed without any grouping.
Diff Viewer	Low	Up to now, the diff viewer also showed properties which where dynamically hidden. Example: On a Screen Task in a Process, all the properties about Looping are hidden by default. They become visible if a Loop Type other than 'None' is chosen. The diff viewer is now adapted to this behavior.
Integration Link Editor	Low	No save dialog when saving an Integration Link.
License	Low	The check whether the installed license is valid with respect to start date and end date is now performed every time this information is requested, not only when the system is restarted or when the license or configuration is changed. As a result, the system health sensor "License" always shows accurate information when a license has become valid or invalid (considering the polling interval of the sensor).
Resources	Low	Download of resources from within ZIP archive did not work as documented on Linux/UNIX -based systems. If the path into the ZIP archive started with a slash "/", the servlet has rejected the download request because paths starting with a slash are interpreted as absolute paths by Linux/UNIX.
Script Editor	Low	Operations with deleted Business Objects such as invoking a Script Function or creating a Data Class instance now produce a validation warning.

Scroll Pane component	Low	It now remember the scroll position after a screen reload or an ajax update.
SSL	Low	Added error handling to removal of old passwords and encryption of new passwords stored within Appway.
SSL	Low	Removal of old passwords and encryption of new passwords stored within Appway.
SSL	Low	TLSv1.2 was not supported because JDK defaulted to TLSv1. This is now defaulting to v1.2 but can be specified via the following system property nm.security.ssl.protocolVersion.
Studio	Low	Administration: HTTP Tracing: The HTTP Tracing module is now using Data Tables. Thus, the filtering and sorting is more advanced and working again.
Studio	Low	Discussion: Active Locks: Icons missing. Fixed a bug in the acquire lock procedure call that was sending wrong parameters for BO type which name is made of two words. It was sending "Document Set" instead of DocumentSet etc. This was causing the icons lookup to fail.
Studio	Low	Job Scheduler: The job scheduler runs some jobs that should be executed on exactly one node. Due to a bug it was possible that such jobs - if triggered manually from the Studio > Administration > Job Scheduler table - were executed on more than one node or not at all.
Studio	Low	Library: Editors: Bug occurring in some editors with the validation results not having a scrollbar and another similar bug with second scrollbar appearing in the properties section
Studio	Low	Library: Editors: While using the sticky headers in Components section with filtering, and having previously scrolled there was mistakenly a scrollbar appearing.
Studio	Low	Library: Editors:Fixed bug appearing after resizing too much the content in the center and then resizing the entire window where the content was not shown anymore. Solution includes gradually narrowing the opened sections so as the center part has a minimum width during the window resize.
Studio	Low	Library: Export window: Changing versions back to head version did not update the label.
Studio	Low	Library: Filtering the list of business objects now also works if the filter term contains a "[".
Studio	Low	System Health: The Unique Properties health sensor did not report an error for incorrect (i.e. non-unique) values of the nm.cluster.local.nodename property. Also raised the sensitivity of this sensor to report an error immediately (without warning first).
Studio	Low	Unused Objects: Drop-down lists in header do not work on Firefox.
Workspace	Low	Calling the JavaScript functions responsible for resizing individual components on a screen is now executed about 60 times faster.

Appway Extensions

Change

Area	Importance	Description
Extension	Low	ComponentExtension 6.3.5: - Change: Info Table: When the table switches to the mobile style, text contained within it is all consistently aligned to the left. - BugFix: Info Table: If the info table is set to not use the adaptive layout, it no longer registers a layout handler. This increases the performance of the page if there are many info tables. - Change: Notification Popup: Displaying the counter for new notifications up to 9999. - BugFix: Date Picker: It is no longer necessary to hit the tab key twice to move the focus forward to the next control. - BugFix: Date Picker: The tab keys on virtual keyboards (e.g. with mobile safari) now work as well if the popup of the Date Picker is open and the input field is focused. - BugFix: Dropdown List: It is no longer necessary to hit the tab key twice to move the focus forward to the next control. - BugFix: Dropdown List: The tab keys on virtual keyboards (e.g. with mobile safari) now work as well if the popup of the Dropdown List is open and the input field is focused. - Bugfix: Text Field with Rich HTML Suggestions: Now the throbber is aligned and positioned inside the input field. - Bugfix: Text Field with Rich HTML Suggestions: Autocompletion with browser suggestions is now disabled. - Bugfix: Date Picker [Legacy]: arrows images for scrolling between months are now available again. - Bugfix: Header: Improved mechanism for header resizing, avoid icons to fall out of place

		on certain screen sizes.