

Remarks

Release notes with changes since version 6.1.4.

Upgrade Notes:

No special actions are required when upgrading from Appway 6.1.4 to 6.1.5.

Appway Platform (Core)

🔑 Feature

Area	Importance	Description
Cluster	Low	It is now possible to enable a configuration switch to test if process instances can be cloned before the actual commit happens. The property name is 'nm.cluster.commit.ensurecloneable' which is false by default.
Cluster	Medium	Show Hazelcast map service infos in node states.
Cluster Storage	Medium	Allow to write value stores with a configurable number of threads.
DataTable	Low	Added a description to each property of the DataTable components.
DataTable	Low	If a data table uses editors for its cells, these editors can now also be configure to be disabled on a per cell basis.
DataTable	Low	It is now possible to use the icons of the DefaultIcon extension for the DataContent components.
DataTable	Low	The label of the column is now also added as a tooltip, so if the label is not fully visible, the user is still able to read the full text.
IO Statistics	Medium	By enabling 'nm.statistics.io.enabled' it is now possible to collect IO statistics.
Monitoring	Medium	New JMX MBean "HzMapServiceInfo" added. It may be used to monitor the length of the write-behind queue and the total memory consumption of distributed maps. The MBean also provides operations to clear one or all near caches.
Performance	Medium	Allow to enable/disable filesystem lock in Hazelcast map stores. The property name is 'nm.cluster.persistence.filesystem.uselock'.
Rules	Low	Added new property "Report Text Pattern" to actions. This allows to overwrite the pattern for action report on per rule basis.
Script	Low	Validation checks overwritten method's return type and creates a validation error if the type does not match the original type.
Studio	High	Added an IO Statistics module to Administration -> System.
Studio	Low	Console: Process Instances: It is now possible to filter for 'paused' instances.
Studio	Low	Library: Business Object Details: It is now possible again to open business objects in the dependencies list.

🔧 Change

Area	Importance	Description
Data Class Editor	Low	Inherited data classes now show the display name, instead of just the id, when possible.
ExecutionStats	Low	Refactored structure of execution stats service to represent the three levels of statistics: statistics type - context type - context
ExecutionStatsService	Medium	All contexts belonging to extensions start with "[Extension name]:" now, such that the corresponding mbeans and the entries in the "CPU Statistics" and "IO Statistics" panes in the studio are more easily identifiable. Furthermore, mbean names based on contexts with characters that are not allowed as mbean names are now quoted (such that also colons stay part of the mbean names), Case 7458
Logging	Low	Job Execution Service: Default level of logger changed from "INFO" to "inherited" (WARN). As a result, log messages "Job should run: ..." and "Job should *not* run: ..." are no longer written to debug.log and STDOUT by default.
Performance	Medium	Using our own serialization mechanism for value stores.
Process Engine	Low	Process Signals: The process engine no longer generates a warning if the process signal queue does not exist on startup. The process signal queue is anyway created automatically when the first signal is set.
Studio	Low	Administration: Logging: Log Files: When viewing (downloading) a log file, the browser is now forced to download it to the local disk instead of opening it in a separate window.

Studio	Low	Administration: Repository: Validation: The list for the dropdown of object types is now sorted alphabetically.
Studio	Low	Library: The 'Business Object Dependencies' will now also show dependencies to missing business objects rendering them with a line-through and in red color.
Studio	Low	Users: Users Info Dialog: The roles and groups a user is a member of will now be displayed using a textarea in order to present the names as a list instead of just comma separated as one line.
Table component	Low	Cleaned up table rendering. Unless workspace css is set to v1 and auto layout is turned off, the table no longer inserts additional trs and tds and 0.gifs in order to create column and row spacing. If you require setting column and row spacings, use css instead.
Web Application	Low	Removed jquery.min.map resource mapping to avoid a 404 Error.

Bugfix

Area	Importance	Description
Cluster	Medium	Catch all exceptions during commit and rollback/drop thread-local changes. This ensures that a thread is left in a clean state after such an exception.
Cluster	Medium	Execute user insert/delete/update event in its own thread and commit thread-local changes after the event was handled.
Cluster	Low	Hazelcast Serialization: Write byte-array instead of using writeUTF(...) to safely write strings longer than 64k.
Cluster	Low	Increase synchronization timeout during shutdown from 1 to 3 minutes.
Cluster	Low	Locking: Always release write lock when rolling back a single process instance.
Cluster	Low	Make sure not to acquire new write locks when committing or rolling back a single process instance.
Cluster	Low	Make sure notify messages are logged during the shutdown event.
Cluster	Low	Wait up to 20 minutes during ripple stop.
Data Class Editor	Low	In Firefox, opening an attribute caused a JavaScript error.
Data Class Editor	Low	It's now possible to delete inherited data classes that no longer exist.
DataTable	Low	If a column contains an editor, and the user changes the value of an editor and then immediately changes a filter/sorter, the value of the editor will now be written to its binding too.
DataTable	Low	If a table uses dropdown editors and the user changes one or more values, the changed values are no longer submitted to the server immediately. Instead, the user has to explicitly click on a save button to submit the changes. This is the same behavior as when a text field is rendered as an editor. The reason for this change is to prevent race conditions. With a column full of dropdowns, the user might change multiple values very quickly. In that case the server request for saving the changed value of one dropdown might still be pending, while another is already on its way, causing multiply problems. With the explicit save operation, this problem is now solved.
DataTable	Low	Improved the method with which the row objects are identified to write the value of a cell editor to its binding.
DataTable	Low	Updating an AjaxUpdateArea inside an interline no works again as expected.
Documents	Low	Due to a configuration error in a previous release it rendered PDF form fields by default instead regular text output.
Integration Link	Medium	Do not distribute STOP command on application shutdown.
Integration Link	Low	Fixed validation problem with components requiring access to the corresponding IntegrationLinkElement.
Integration Link	Low	Save integration link states after successful execution of commands.
JavaScript	Low	Controller: Check that the service is ready before starting to use it.
JavaScript	Low	Notifier: Avoid adding the same object multiple times in addObserver()
Notifications	Low	The topic description has previously been displayed at various places instead of the topic name. This is now fixed.
PDF Output Table	Low	Labels in expressions were translated too early. Eg. TRANSLATE('[LABEL:case7437]', 'de') always translated to the current user's language instead to german as defined as 2nd function parameter. The function was called with the already translated label.

PDF Outputs	Low	Validation: Prevent out-of-memory error if a PDF file contains a circular structure of resource dictionaries.
Performance	Low	Use a String-NULL value in Scope.
Rule	Low	Fixed message output for rule text report.
Rules	Low	Fixed rule text reporting, it is now possible to pass report text patterns when generating a rule report.
Script	Low	Added script execution configurations: - "nm.exprlang.conversion.datamethod.arguments.convertprimitivenulltodefault" (false): configures for data method calls if "null" arguments will be converted to their default value, for example "foo(int i)" foo(null) if set to true the "null" argument will be converted to "0" - "nm.exprlang.conversion.datamethod.arguments.usejavatypeofprimitive" (false): configures if for conversion of a parameter the Java type of the primitive parameter definition should be used - "nm.exprlang.conversion.scriptfunction.arguments.convertprimitivenulltodefault" (true): configures for script function calls if "null" arguments will be converted to their default value, for example "foo(int i)" foo(null) if set to true the "null" argument will be converted to "0"
Script	Low	adding a primitive value to a collection does not clone (detach) the value anymore.
Script	Low	Make sure the cell sort index is always a Long value when sorting according to elapsed time in Script Language Contexts table
Script	Low	Prevent "cannot pop root scope" message from occurring
Script Editor	Low	Change the way the replace dialog is handled, in order to avoid hiding the first row.
Script Editor	Low	Do not replace " " with "<p>n" when opening a Script Editor.
Script Editor	Low	The Script Editor wrongly indented commented lines after each validation.
Script Language	Low	Http: Fixed NullPointerException when using HTTPPOST function caused by invalid condition on initialization of ArrayList of parameters.
Searchable Dropdown List	Low	Superfluous closing "</div>" element removed from renderer code.
Security	Medium	JSPServlet: The JSPServlet only accepts requests for files which can be loaded from an extension. It is no longer possible to access the content of other text files on the class path.
Security	Medium	JSPServlet: The JSPServlet only accepts requests from users in role "Administrator". Extensions may override this by setting an extension configuration property with name "jsp.roles" to a coma-separated list of role names. A user then must be a member of at least one of the given roles to access a JSP file from within this extension.
SSL	Low	Added missing property for "nm.security.ssl.useAppServerSSLContext".
SSL	Low	SSL Registry now correctly returns Appway SSLContext when not using App Server SSLContext. HostName Verifier is now correctly set on the HttpClient.
SSL	Low	When adding or removing certificates or keys from the trust or keystore the SSLContext doesn't take into account the changes. The SSLContext is now invalidated after saving so that it is recreated when next accessed.
Studio	Low	Administration: Repository: Statistics: Business Object Types: Renamed the columns 'Deleted Version' and 'Uncommitted Versions' to 'Deleted' and 'Uncommitted'. They no longer show the count of deleted and uncommitted versions. Now they show the count of deleted and uncommitted business objects for a certain type. This is to avoid confusion and making it consistent with what the default lists of the library show. (Case 7093)
Studio	Low	Administration: Repository: Unused Objects: The resulting list will now show deleted objects with a line-through on their names.
Studio	Low	Business Object Editors: The user can no longer resize the different sections of the editor in a way, that the resize handles will stay outside the editor window. Like this it will always be possible to resize the sections.
Studio	Low	Container Editor: If a business object of the list is not found, the editor will no longer crash with an error. Instead the object is printed like any other but with a line through on the title and colored red.
Studio	Low	Data Table: If a table uses checkboxes (e.g. the export dialog) and the user changes one or more checkboxes, the changed values are no longer submitted to the server immediately. Instead, the user has to explicitly click on a save button to submit the changes. This is the same behavior as when a text field is rendered as an editor. The reason for this change is to prevent race conditions. With a column full of checkboxes, the

		user might check/uncheck multiple checkboxes very quickly. In that case the server request for saving the changed value of one checkbox might still be pending, while another is already on its way, causing multiply problems. With the explicit save operation, this problem is now solved.
Studio	Low	If a column of a table shows a date and the timestamp of the date is ≤ 0 , the column will now show an empty cell instead of '1970-01-01'.
Studio	Low	Library: The properties panel for a Document Set does noe also allow to set the title of the document set. Just like the properties panel for a Document does.
Studio	Low	Screen Editor: If a DynamicComponent returns null for its implementation, the renderer will now fall back to the original component.
Studio	Low	Screen Editor: If a variable definition got changed by the user and the user switches to the display tab, the drag and drop of components now works reliable again.
Studio	Low	Screen Editor: If the schema json code cannot be parsed, the editor will now show a human readable error in a modal window.
Studio	Low	UAT-Toolbar: Clicking on 'Open Studio' will now try to focus an existing studio window if one is present. If focusing fails, because of browser limitations, a message will appear, telling the user to look for it manually. If no studio window is present at all, a new one is opened.
Studio	Low	Users: Sessions: The filter for the column 'Status' no works as expected.
Webapplication	Low	The JavaScript function aw.compareVersion was not working because the {VERSION_NUMBER} placeholder was not replaced
Workspace Tools	Low	Replaced String.trim() with a custom trim() function since IE8 does not support String.trim().