

Remarks

Release notes with changes since version 6.1.2.

Upgrade Notes:

No special actions are required when upgrading from Appway 6.1.2 to 6.1.3.

Appway Platform (Core)

Feature

Area	Importance	Description
Console	Medium	Process Instances: The list of process instances has a new column called "Memory State". It shows the value "Updating" if a process instance is currently updated by a thread. The process instance details view then allows the user to switch between the saved (committed) version of this process instance and the thread-local working copy which is currently updated (maybe on a different node of the cluster). If a new process instance is started, it may exist only as thread-local working copy. The column then shows the value "New". Please note that only the process instance id and creation date are available for new process instances, but no other information. If you cannot find a new process instance in the list, make sure that you have cleared all column filters.
PDF Outputs	Low	New properties have been added to the built-in data class "PdfRenderConfiguration" to control security-related aspects of the generated PDF document like the encryption algorithm and more detailed permissions, e.g. whether the user is allowed to print the document or not.

Change

Area	Importance	Description
Cluster	Low	File System Store: Use an exclusive lock to prevent concurrent access on the file system. There is a dedicated lock per node and distributed map.
Console	Low	Performance: The approximate in-memory size of every process instance is now stored in an index (cached). This improves the time used to display the list of process instances.
Notifications	Low	Creating an already existing topic, deleting a non-existing topic, or getting name and description for a non-existing topic (e.g. via the functions "CreateNotificationTopic", "DeleteNotificationTopic", "GetNotificationTopicDescription") previously caused a warning to be logged. Now, these operations are just silently ignored/silently return null.
Workspace Collaboration	Low	Added definition of "nm.usermessaging.userprofile.url" property in the default properties which is used by extensions to link user ids to user profile pages.
Workspace Collaboration	Low	In case the chat system receives a heartbeat of a user for a chat in which she is not online, a log message is generated. The level of this message has been changed from warning to info.

Bugfix

Area	Importance	Description
Administration	Low	CPU Statistics and Screen Statistics: The warning if the corresponding configuration property is enabled will now be visible with the first loading of the page.
Business Objects	Low	Changes to the business object dependency cache are now correctly propagated to all cluster nodes.
Cluster	Low	Users: Use a distributed query instead of looping over all users to compute member count of a group/role.
Collaboration	Low	Commits in RSS feed were sorted backwards (i.e. the newest commit was at the bottom). As a result, new commits were not always added to the RSS feed.
Console	Low	Process Locks: Compute lock age on the node where the lock was acquired.
Console	Low	Process Token Details: The window will now reload correctly if the user clicks on "Refresh".
Console	Low	Updating, canceling or deleting multiple process instances now use a distributed task. The process instances therefore do not have to be loaded to the current cluster node anymore. In addition, the task commits every process instance individually for a smaller memory footprint.
Monitoring	Low	CPU Thread Tracking: Tracking of "active time" now works even if CPU thread tracking is not enabled.
Monitoring	Low	JMX: Process Data: Update process data JMX counters only every 10 seconds instead of

		every 5 seconds as before.
Monitoring	Low	JMX: Value Stores: Do not clone value stores to compute JMX counters.
Monitoring	Low	Previously, the registration of CPU statistics JMX MBeans for threads with colons in their name failed. Now, illegal characters in MBean names of the CPU statistics are replaced by underlines such that arbitrary strings can be used as context names (e.g., thread names) for CPU statistics.
Notifications	Low	The name of a notification topic was always null, even if it was set with the last (optional) argument of the "CreateNotificationTopic" function. This is now fixed and the notification topic name is correctly stored and persisted.
Process Engine	Medium	The listeners used to start a new process instance on incoming process messages or signals now only commit the newly created process instance and its value store. Before this fix, these listeners used to commit all process instances and value stores modified by the current thread. As a result, subsequent modifications to these process instances and value stores have not been tracked anymore and did not get saved.
Screen Components	Low	Fixed problem where Icon Service would sometimes return a smaller icon size than it should.
Script Callbacks	Low	Previously, there was no commit after asynchronously executed script function callbacks. This means that changes to objects with a thread-local cache layer (e.g., process instances, value stores, users, etc.) made by the script function were not applied. Furthermore, if the script function executed as a callback acquired process locks, these locks were not released anymore. Now, the executor for asynchronous script callbacks commits after the execution of each callback, such that all changes are correctly applied and locks are released properly.
Script Editor	Low	Activate "keyinput" focus on code field when opening the script editor.
Workspace Collaboration	Low	For bulk delete operations of chats and discussion messages, flush the maps after every 5000 deletions. This makes sure that after deleting 5000 entries, the system waits until the deletions are also performed on persistent storage (file system/database) and does not overload the write-behind queues for file system/database operations.
Workspace Collaboration	Low	The URL to the universal chat which can be used to join a chat a user is invited to now supports general URLs with a placeholder for the chat ID, not only URLs with a GET parameter "chatId".