

## Remarks

Release notes with changes since version 6.1.6.

## Upgrade Notes:

No special actions are required when upgrading from Appway 6.1.6 to 6.1.7.

## Appway Platform (Core)

## 🔑 Feature

Area	Importance	Description
Cluster	Medium	Warn if number of objects to commit or rollback is higher than a configured safe size (configuration property "nm.cluster.commit.safesize", default value "2").
Monitoring	Low	JMX: Process Instances: Count number of rollback operations.

## 🔧 Change

Area	Importance	Description
Cluster	Low	Process Instances: Always acquire a write lock before removing a process instance.
Script Language	Low	The functions "FROMLIST", "TOINDEXED" and "TODATAARRAY" have been deprecated. Use function "ToIndexed" (case-sensitive) instead.
System Report	Medium	The "Running Threads" section is not included in the system report anymore by default. It may be enabled by setting the configuration property "nm.systemreport.threads.enabled" to "true". If the generation of a system report leads to performance or stability issues, it may be disabled completely by setting the configuration property "nm.systemreport.enabled" to "false". The log files now contain more detailed messages about system report generation: id of the user initiating the system report, duration to collect data for every individual section and total duration to create the full report.
Web Application	High	If Appway fails to load, initialize or start a plug-in extension like "RelationalDbHazelcastStore" or "CassandraHazelcastStore" at startup, the startup process is aborted immediately and a clean shutdown is initiated. These extensions are used to connect a cluster node to the cluster storage system and Appway must not start if one of these extensions has failed.
Web Application	Low	Updated JavaScript library "Select2" from version 3.5.0 to 3.5.2.

## 🐛 Bugfix

Area	Importance	Description
Administration	Low	Log Files: Make sure that Appway always sets a content-type when downloading a log file. If the file extension is well known like ".log", ".txt" or ".csv", the content-type associated with the file extension is set. For unknown file extensions, "text/plain" is set. This fix has been implemented to solve download problems when the application server has a default content-type other than "text/plain".
Ajax Update Area	Medium	Triggering a process action while an ajax update is still running no longer shows a client-side error message.
Catalogs	Low	For source "Data Source" a typo in the property description for "sqlStatement" was fixed.
Catalogs	Low	In the Catalog editor the content of dropdown "Select a Source" is now sorted alphabetically.
Cluster	Low	Process Instances: Release write lock on process instance during single commit even if nothing needs to be committed.
Cluster	Low	Process Instances: Use double-check locking to prevent possible race condition when trying to acquire a write lock on a non-existing process instance.
Cluster	Low	Value Stores: Warn if parallel writes to persistent storage take more than 10 seconds.
Documents	Low	PDF Output Table: If a non-replicated page followed a replicated page it contained the wrong data when pages were replicated.
HTTP	Low	Changed the method modifiers for extensibility and removed logging that could cause a problem with consumption of http entity.
Integratin Link	Low	Handle exception in LinkEndProcessor when sending JMS messages with message exchange pattern InOut (request-response). The response arrives via a new thread which leads to an empty transaction boundaries stack.
Monitoring	Low	JMX: Cluster: Count commit even if nothing was committed.

Process Engine	Low	Push current process reference to location stack during process instance start. This way it will appear in error messages logged during process instance start, e.g. if initialization of a process variable fails.
Screens	Low	Scope Debug View: Render valid X/HTML code.
Script Editor	Low	Open context menu upwards instead of downwards if required.
Script Language	Low	Calculation with +/- Infinity did not work.
Studio	Low	Edit Profile: The native notifications API will now get accessed only, if the corresponding functions really exist, to prevent a page crash.
System	High	The configuration property "nm.diskspace.enabled" (default value "true") can be used to disable all Appway components which collect information about total, used or free disk space. If the property is set to "false", the "Low Disk Space Check" job is paused and system overview page and dashboard show "[disabled]" for the property "Free Disk Space".
System Configuration	Low	Make sure that the temporary directory defined by system property "java.io.tmpdir" exists. Some Java components like the font subsystem rely on the existence of this directory.
Workspace Collaboration	Low	Fixed a possible NullPointerException in the UserMessageFilter.