Remarks

```
Release notes with changes since version 10.0.3.

For upgrade information when upgrading to Appway 10.0 from Appway 9.1.x, see the 'System
Upgrade: 9.1 to 10.x' article:
https://community.appway.com/screen/kb/article/system-upgrade-9-1-to-10-x-1913013030042

For new Appway 10 installations, see:
- System Installation guide: https://community.appway.com/screen/kb/article/system-
installation-appway-10-1901075430266
- System Installation Using Containers guide:
https://community.appway.com/screen/kb/article/system-installation-using-containers-appway-10-
1951018786136

For documentation of new and existing features, see the Appway Knowledge Base at:
https://community.appway.com/screen/kb

For information on deprecated and removed features in Appway 10, see:
https://community.appway.com/screen/kb/article/feature-removal-and-deprecation-with-appway-10-
1869373509251

For information on Known Issues, see:
https://community.appway.com/screen/kb/article/appway-10-known-issues-1879068360031

For information on the Appway product lifecycle, see:
https://community.appway.com/screen/kb/article/appway-releases-product-lifecycle-and-end-of-
support-1753664569425
```

Appway Platform (Core)

Change

Area	Importance	Description
3rd Party Library	Low	Java Libraries: The Java library Jackson Databind has been upgraded from version 2.9.10.5 to version 2.9.10.6.
Process Instances	Medium	Appway Studio: The 'Process Instance' modal window ('Solution Maintenance' > 'Process Instances' > [right-click] > 'Details') has been made bigger. Moreover, the column width in the 'Tokens' tab has been adjusted to fit column content.

Bugfix

Area	Importance	Description
Application Servers	High	Bugfix: High. Upgraded the third-party Java library PJL Compressing Filter from version 1.8 -1 to version 1.8-2. The new version contains a custom patch to make the library compatible with versions of Apache Tomcat released since September 2020. The same patch also fixes a problem that prevented browsers from caching certain JavaScript and CSS files. This fixes Known Issue KI-100-14: https://community.appway.com/screen/kb/article/appway-10-known-issues-1879068360031#fixed-issues-in-the-core-platform
Business Object Editors	High	Fixed an issue that caused some Business Object Editors not to open in the specific case in which a Package had a dependency on the Business Object itself (e.g. an entry point).
Data Class Editor	Low	Fixed an issue in the Expression Editor of a Data Class function (accessible from 'Functions' > 'Script' tab) where some characters remained hidden in case of long lines of code, thus making it difficult to edit it.
Data Class Editor	Low	Fixed an issue that prevented copying the code contained in the 'Definition' field of a Data Class function ('Functions' > 'Script' tab).
Data Class Editor	Medium	Validation: Validation messages are now correctly sorted by descending severity, with higher-severity validation messages displayed first.
Data Logic Editor	Low	Data Logic Editor performance improvement: Opening a Data Logic containing a large number of Controls is now much quicker.
Import/Export	Medium	Fixed an issue that caused PDF Output Business Objects to be included in the export twice

		(i.e. both in 'awexport' and 'awdeployment' exports), leading to an unnecessarily large size of the exported file.
JMX	Medium	JMX: A 'Class Not Found' Exception is now avoided by removing hidden dependencies in JXM Beans-related classes.
Move Business Objects	Medium	Fixed an issue that prevented the metadata of Business Objects that were moved/refactored from containing information of the original or final Business Object name after the move/refactor operation.
Screen Component Actions	High	Fixed an issue where the 'Enabled' field for server-side component Actions was evaluated in all Screen rendering phases. With this fix, such field is evaluated only in the Screen rendering phase specified in the Action configuration itself.
Script Language	High	The Functions 'Collection:RemoveElement' and 'Collection:SetElement' have been deprecated since, in some cases, they did not process the given Script Function arguments correctly. New alternative functions dedicated to Indexed and Named have been introduced. The new collection functions are: 'Collection:SetElementWithName' and 'Collection:RemoveElementWithName' for Named collections; 'Collection:SetElementAtIndex' and 'Collection:RemoveElementAtIndex' for Indexed collections. Auto-migration is now available for 'Collection:SetElement' and 'Collection:RemoveElement', and has also been updated for other DataArray/DataMap Functions. See details in: https://community.appway.com/screen/kb/article/feature-removal-and-deprecation-with-appway-10-1869373509251 See also: Functions Extension 6.0.8 and 6.0.10 Release Notes
Value Store Splitting	Low	Fixed an issue where warnings were logged when loading a Value Store multiple times.
Value Store Splitting	High	Invalid links or exposed Data Entities are now detected before the commit operation is performed and, therefore, before the Value Store is merged back. This prevents exceptions during the commit operation.

Appway Extensions

Feature

Area	Importance	Description
Extension	Low	SystemHealthSensors Extension 5.1.3: The 'Sensor State Cleaner' job is now available See documentation: https://community.appway.com/screen/kb/article/system-administration-system-health-1482807177758

Change

Area	Importance	Description
Extension	High	SystemHealthSensors Extension 5.1.2: The 'Automatically pause too large Value Stores' functionality is enabled by default. The following configuration property, therefore, is now set to true by default: 'ValueStoreSize.pauseprocessinstances.enabled' See the following documents: https://community.appway.com/screen/kb/article/system-upgrade-9-1-to-10-x-1913013030042#315-large-values-stores-paused-by-default https://community.appway.com/screen/kb/article/system-administration-system-health-1482807177758#655-value-store-sizes-sensor
Extension	Medium	WebServices Extension 2.11.3: The Extensions uses the new functions 'Collection:SetElementWithName' and 'CollectionSetElementAtIndex'. See: https://community.appway.com/screen/kb/article/feature-removal-and-deprecation-

		with-appway-10-1869373509251
Extension	Low	WorkitemFinder Extension 4.0.1: The 'Max Page Size' limit (previously set to 50) has been removed.

Bugfix

Area	Importance	Description
Extension	High	Functions Extension 6.0.10: Wrong auto-migration removed: $list.removeElement($element) is no longer automatically migrated to Collection:RemoveElementAtIndex($list, Collection:GetIndexOf($list, $element)). This migration was wrong, because the return value of Collection:GetIndexOf() must not be used as input for Collection:RemoveElementAtIndex(). Furthermore, reverse auto-migration was added to fix Solutions which already executed the above-mentioned auto-migration.
Extension	High	Functions Extension 6.0.8: The Functions 'Collection:RemoveElement' and 'Collection:SetElement' have been deprecated since, in some cases, they did not process the given Script Function arguments correctly. New alternative functions dedicated to Indexed and Named have been introduced. The new collection functions are: 'Collection:SetElementWithName' and 'Collection:RemoveElementWithName' for Named collections; 'Collection:SetElementAtIndex' and 'Collection:RemoveElementAtIndex' for Indexed collections. Auto-migration is available for 'Collection:SetElement' and 'Collection:RemoveElement', and has also been updated for other DataArray/DataMap Functions. See details in: https://community.appway.com/screen/kb/article/feature-removal-and-deprecation-with-appway-10-1869373509251 See also: Appway Core Platform 10.0.4 Release Notes
Extension	Low	Functions Extension 6.0.9 Fixed an issue where the FileChecksum function was returning an incorrect value, omitting the leading zero.
Extension	Low	ProcessUsageTracker Extension 3.0.1: Fixed an issue where the ProcessUsageCommitListener acquired a write lock when retrieving a Process Instance, thus preventing the import of the Process Instance itself.