Remarks

Release notes with changes since version 9.1.5.

Upgrade notes when upgrading from 9.0.x to Appway 9.1.x:
- The method UIdGenerator.getUUID() was removed in Appway 9.1 and must be replaced before upgrading. See the Upgrade Guide for more details: https://community.appway.com/screen/kb/article/system-upgrade-8-1-to-9-x-1747176546847#14-replace-the-uidgeneratorgetuuid-method
- If your Appway installation uses a Relational Database or Cassandra as a Cluster Storage backend, ensure the 'startupfiles' table is created automatically or create it manually. See the Upgrade Guide for more details: https://community.appway.com/screen/kb/article/system-upgrade-8-1-to-9-x-1747176546847#22-update-cluster-storage
- With Appway 9.1, you can remove manually defined node names and UID prefixes and let Apppway generate them instead. See the Upgrade Guide for more details: https://community.appway.com/screen/kb/article/system-upgrade-8-1-to-9-x-1747176546847#31-automated-node-names-and-uid-prefixes
- Default values for many Style and Style Value Business Objects were modified with Appway 9.1. When upgrading, the new default values are automatically applied if you did not define a custom value. See the Upgrade Guide for more details: https://community.appway.com/screen/kb/article/system-upgrade-8-1-to-9-x-1747176546847#3321-new-default-values-with-auto-migration
- Unrecommended Primitive Types are no longer available for use in some locations in the Studio. See the Upgrade Guide for more details: https://community.appway.com/screen/kb/article/system-upgrade-8-1-to-9-x-1747176546847#333-handling-of-unrecommended-primitive-types

For upgrade information when upgrading to Appway 9.1 from Appway 8.1.x, see the 'System Upgrade: 8.1 to 9.x' article: https://community.appway.com/screen/kb/article/system-upgrade-8-1-to-9-x-1747176546847

For new Appway 9 installations, see the Installation Guide: https://community.appway.com/screen/kb/article/system-installation-appway-9-1736030944029

For information on Known Issues in Appway 9, see: https://community.appway.com/screen/kb/article/appway-9-known-issues-1756745073316

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

For an overview of the documentation of new Appway 9 features, see: https://community.appway.com/screen/kb/article/system-upgrade-8-1-to-9-x-1747176546847#36-adopting-new-features

For information on deprecated and removed features in Appway 9, see: https://community.appway.com/screen/kb/article/feature-removal-and-deprecation-with-appway-9-0-1710706195381

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)

Feature

Area	Importance	Description
Elasticity	Low	The UID prefix is re-computed after a cluster recovers from a split-brain situation.
Licensing and Usage Statistics	Medium	The usage (Payload and Number of Requests) of Script Functions exposed through entry points is now tracked and reported in the 'Web API Statistics' and 'Licensing Report' Studio modules. The Licensing Report features an additional section dedicated to 'Script Function Metrics'. For more information, see: https://community.appway.com/screen/kb/article/licensing-reports-1715370444611#25-script-function-metrics-section

Change

Area	Importance	Description

3rd Party Library	Low	Upgraded the following libraries: - Jackson Core from version 2.9.9 to 2.9.10 - Jackson Annotations from version 2.9.9 to 2.9.10 - Jackson Databind from version 2.9.9.1 to 2.9.10.2
Security	Medium	XML Parsing: External entities are now disabled when parsing XML files with Appway.

Bugfix

Area	Importance	Description
Data Engine	Low	Fixed a security issue that affected the handling of Data Logic bindings.
Data Logic Editor	Low	Fixed an issue in the 'Process' property of the 'Start Subprocess Action' Control where the selected value was not preserved correctly when switching to Script mode.
Data Logic Editor	Low	Fixed an issue in the Data Logic editor where the error 'The binding must reference a Data Entity contained in the Data Context' occurred when the binding of an unfolded Data Class Control (containing at least one Control for a property) referred to a variable or property that did not exist.
Screen Component Actions	Low	Fixed an issue when selecting an 'If' condition in the 'Actions' framework of Screen Components where the 'property' and 'value' were not updated after changing the 'Component Event Source' .
Script Debugger	Medium	Added a scrollbar in the 'Location' section and fixed an issue that prevented the user from adding properties by clicking in the 'Watches' section.
Script Language Validation	Low	Fixed an issue where an ERROR message was reported when a restricted (but still executable) method was called. A WARN message is now correctly reported. Consider that an ERROR message is still reported for restricted methods that are not executable.

Appway Extensions

Feature

Area	Importance	Description
Extension	Low	HazelcastForceUnlock Extension 4.1.0: - Feature: Stale locks on cryptoPasswordsMap and cryptoKeysMap are now released.
Extension	Low	SystemHealthSensor Extension 4.1.1: - Feature: The new ‘System Installation’ sensor available in Appway Studio ('System Maintenance' > 'Health') detects potential system configuration or installation problems. For more information, see: https://community.appway.com/screen/kb/article/system-administration-system-health-1482807177758#613-category-system

Change

Area	Importance	Description
Extension	Low	WorkspaceCollaboration Extension 4.0.4: - Change: The 'SendDiscussionPost' Script Function now allows an optional parameter to set the timestamp of the post.

Bugfix

Area	Importance	Description
Extension	Low	BAM Extension 3.6.1: - Bugfix: Fixed and issue that prevented the correct functioning of the BAM Dashboards on Microsoft SQLServer Database when a Date KPI was used to filter BAM data.
Extension	Medium	BusinessDataStorage Extension 1.3.1: - Feature: Added a new Sensor that identifies duplicated persistence IDs in the Business Data Storage Database tables. If the sensor reports such an issue, 'Save', 'Load' and 'Delete' operations fail due to the inconsistent state of data. For more information, see: https://community.appway.com/screen/kb/article/business-data-storage-1742715018300#34-business-data-storage-duplicated-ids-sensor

		- Bugfix: Synchronization algorithm: Added a model verification rule that verifies that all parent Data Classes of a Data Class stored with Business Data Storage exist. - Bugfix: Fixed an issue in the 'Business Data Storage' > 'Stored Data Classes' (Data &Integration) module in Appway Studio where it was possible to add Data Classes located in Packages for which the user did not have write Permissions. - Bugfix: Fixed an issue in the 'Business Data Storage' > 'Stored Data Classes' (Data &Integration) module in Appway Studio where it was possible to configure Data Classes located in Packages for which the user did not have write Permissions.
Extension	Low	Component Extension 9.1.6: Dropdown List and Multiple Selection Field ---------- - Bugfix: Fixed an issue in the 'Dropdown List' and 'Multiple Selection Field' Screen Components where lazy loading entries form a Catalog did not work as expected. For more information, see also: https://community.appway.com/screen/kb/article/lazy-loading-and-pagination-of-catalog-data-source-entries-1918443360912 - Bugfix: Fixed an issue where the 'Dropdown List' Screen Component no longer showed a pointer cursor when in 'Disabled' or 'Readonly' state. Notification Popup ---------- - Bugfix: Fixed an issue in the 'Notification Popup' Screen Component where the number in the 'Unread Notification badge' was not correctly centred when changing the default font size.
Extension	Medium	WebServices Extension 2.10.3: - Bugfix: Fixed an issue where date parsing failed when the millisecond (optional) value was different from ".000".