Remarks

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Release notes with changes since version 9.1.2.

Upgrade notes when upgrading from 9.0.x to Appway 9.1:
- 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
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Appway Platform (Core)

Change

Area	Importance	Description
Libraries	Low	The third-party Java library Apache Commons BeanUtils has been upgraded from version 1.9.2 to version 1.9.4.
Libraries	Low	The third-party Java library Jackson Databind has been upgraded from version 2.9.9.1 to version 2.9.9.3.
Libraries	Low	The third-party Java library PDFBox has been upgraded from version 2.0.11 to version 2.0.16.
Libraries	Low	The third-party Java library Xerces has been upgraded from version 2.11.0 to version 2.12.0.
Licensing Report	Low	In the Licensing Report, the 'Installed Packages' section has been renamed 'Packages'

		and 'Package Vendor' information has been added. Consider that the Base Package and Platform Packages (e.g. Process) are excluded.

Bugfix

Area	Importance	Description
About page	Low	Fixed some broken links to third-party libraries in the about.jsp page.
Cluster	Low	The getLocalKey() method has been improved to wait until at least one partition is owned in order to provide always a valid result. The timeout is 60 seconds. Furthermore, calling the getLocalKey() method is delayed during startup until all nodes are in a running application state.
Compare Versions	Low	Fixed an issue in the 'Compare Versions' screen where the Detail View icon next to the edited element was not visible although it was clickable.
Data Logic Editor	Medium	Fixed an issue when opening a 'Data Logic' Business Object from the Global Search or Diff Viewer where the Editor opened correctly but the selected element was not highlighted.
Expression Editor	Low	Fixed an issue in the Expression Editor where increasing or decreasing the font size did not work if you closed and opened the editor again.
Move Business Objects	Medium	Fixed an issue where moving Business Objects from the Base Package to another Package failed due to the fact that some translation configuration settings were not removed even if the corresponding Package was deleted.
Search	Medium	Fixed an issue where the Global Search and the Process Editor search both failed to find a Process Activity when such Activity was attached to an Integration Link.
Security	Low	HTTP responses to requests for the login page now contain the HTTP response headers 'X-Frame-Options' and 'Content-Security-Policy' for security reasons.
Workspace Collaboration	Low	Fixed an issue when mentioning a user in the 'Discussion New Post Field' Screen Component where the user name's annotation was not displayed correctly if the user name itself contained one or more dots (.). This also fixes the same issue on all other Screen Components supporting annotations, namely Discussion List, Chat, Chat Popup, Notification List, Notification Popup, and Notification Alert.

Appway Extensions

Feature

Area	Importance	Description
Extension	Medium	RelationalDbHazelcastStore Extension 15.1.0: - Feature: The extension now supports PostgreSQL. - Change: setBytes()/getBytes() are now used instead of setBlob()/getBlob() to read and write data.
Extension	Low	SystemHealthSensors Extension 4.0.3: - Feature: The new Access Licenses health sensor runs every hour and checks that there are enough Access Licenses available to be assigned to users.

Change

Area	Importance	Description
Extension	Low	CassandraHazelcastStore Extension 25.1.0: - Change: Upgraded the Cassandra Java Driver to version 3.7.2.
Extension	Low	SystemHealthSensors Extension 4.0.2: - Change: Garbage Collector notification listeners are not registered if the notification cannot be processed. - Bugfix: Non-existing Process Instances are now ignored when checking the Value Store size.
Extension	High	WebServices Extension 2.10.1: - Change: Removed Joda Time library dependency and introduced standard modern Java date-parsing features (java.time) instead.

		Note: Although it has been implemented to ensure the highest backward compatibility possible, the new feature is stricter in parsing dates and times that do not match the predefined pattern. By default, ISO 8601-based dates are accepted. However, the following details apply: - max number of digits for years: 4 - digits for month and day: 1 or 2 - time is optional: >if no time is provided, it is set to 00:00:00.000 and to the system default timezone; >if time is provided: hours, minutes and seconds have 1 or 2 digits; milliseconds (optional) have 3 digits; time zone (optional) has the format 'Z', '+01', '+0130' and '+01:30' (if no time zone is provided, it is set to the system default timezone). Therefore, the pattern applied is "uuuu-M-d['T'H:m:s[.SSS][XXX][XX][X]]" with the additional fallbacks explained above. See https://docs.oracle.com/javase/8/docs/api/java/time/format/DateTimeFormatter.html for more details. - Feature: Enhanced the REST client's httpMultipartPost method by an option to provide custom content types for String attachments.

Bugfix

Area	Importance	Description
Extension	Medium	Component Extension 9.1.3: - Bugfix: Fixed an issue in adaptive Screen Components (Phase Chevron, Adaptive Tab, Navigation Menu, and Info Table) that caused pages to scroll unexpectedly. - Bugfix: Fixed an issue in the 'Adaptive Tab' Screen Component where content did not layout correctly when switching between tabs.
Extension	Medium	SPNegoAuthenticator Extension 1.0.10: - Bugfix: The SPNegoAuthenticator Extension now provides more information in the log (level: debug/error) to support troubleshooting.
Extension	Medium	WebServices Extension 2.9.4: - Bugfix: Fixed a performance issue of the TranslateTo (JSON) function when working on big data structures.
Extension	Low	WorkspaceCollaboration Extension 4.0.2: - Bugfix: Fixed an issue when mentioning a user in the 'Discussion New Post Field' Screen Component where the user name's annotation was not displayed correctly if the user name itself contained one or more dots (.). This also fixes the same issue on all other Screen Components supporting annotations, namely Discussion List, Chat, Chat Popup, Notification List, Notification Popup, and Notification Alert.