Remarks

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Release notes with changes since version 8.1.5.

No special actions are required when upgrading from Appway 8.1.5 to 8.1.6.

For upgrade information when upgrading to Appway 8.1 from Appway 7.2, see the 'System Upgrade:
7.2 to 8.x' article:
https://community.appway.com/screen/kb/article/system-upgrade-7-2-to-8-x-1633271182989

For upgrade information when upgrading to Appway 8.1 from Appway 8.0.x, see this section of
the 'System Upgrade: 7.2 to 8.x' article:
https://community.appway.com/screen/kb/article/system-upgrade-7-2-to-8-x-
1633271182989?version=8#323-new-default-values-in-style-business-objects-with-appway-81

For new Appway 8.1 installations, see the Installation Guide:
https://community.appway.com/screen/kb/article/system-installation-appway-8-1657699102392

For information on Known Issues in Appway 8.1, see:
https://community.appway.com/screen/kb/article/appway-8-known-issues-1681371580713

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 8 features, see:
https://community.appway.com/screen/kb/article/system-upgrade-7-2-to-8-x-1633271182989#33-
adopting-new-features

For information on deprecated and removed features in Appway 8.0, see:
https://community.appway.com/screen/kb/article/feature-removal-and-deprecation-with-appway-7-1
-7-2-and-8-0-1531605514219

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)

Feature

Area	Importance	Description
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

Bugfix

Area	Importance	Description
3rd Party Library	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 a Known Issue: https://community.appway.com/screen/kb/article/appway-8-known-issues-1681371580713
Business Object Editor	High	Fixed an issue occurring in Chrome 80 and later where edited Business Objects remained locked after closing the Business Object Editor. This fixes a Known Issue: https://community.appway.com/screen/kb/article/appway-8-known-issues-1681371580713
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).
Case Engine	Low	Fixed a security issue that affected the handling of Case Template bindings.
Case Template	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.

Screen Components - 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.
Security	Medium	Security: The default value of configuration property 'nm.errorpage.details' has been changed from 'true' to 'false'. As a result, Appway error pages no longer render a 'Show Error Information' button by default. Trying to open the details error page by entering the URL in the browser leads to a '403 - Forbidden' error message directly. Moreover, the algorithm used to generate a unique ID for every error has been improved. Instead of 8 random decimal digits, the ID now consists of 22 random alphanumeric characters. This increases the ID entropy from ~ 27 bits to ~ 131 bits. Finally, error information collected by Appway is now available in memory only for up to 10 minutes. This allows users to visit the error details page, and possibly take notes or a screenshot. After 10 minutes, error information can only be found in server logs.
Security	Low	Security: The third-party JavaScript library jQuery has been patched to fix four known security vulnerabilities present in jQuery 2.2.4: CVE-2015-9251, CVE-2019-11358, CVE-2020-11022, and CVE-2020-11023. The patched library has a new version number 2.2.4-1. The fix for CVE-2015-9251 has an impact on an existing solution if it satisfies all of the following conditions: - The solution contains custom JavaScript code. - This JavaScript code sends an ajax request using jQuery's functions "$.ajax", "$.get", or "$.post". - The ajax request is sent to a third-party system, not the Appway server. - The JavaScript code does not set the "dataType" property on the ajax request. - The response to the ajax request has the content type "text/javascript". - The response contains JavaScript code. - The solution expects from jQuery that it immediately executes the JavaScript code in the response. Note that an upgrade to jQuery 3.0.0 or greater would have the same effect. This is not a special behavior of the patched jQuery version, but the official new behavior in jQuery. If a solution is affected by this change, the JavaScript code can be changed so that the ajax request have a "dataType" property set to "script". This tells jQuery that evaluation of the returned JavaScript code is intended. To check whether a solution is potentially affected, run a global search for the jQuery functions "$.ajax", "$.get", or "$.post" in Appway.
Security	High	User Profiles: Secured code to avoid XSS attacks from the user's id.
Validation	High	Fixed an issue affecting validation for the 'Dropdown List' and 'Validation Group' where such components did not receive focus when a validation error occurred.
WorkspaceCollaboration	Medium	Fixed an issue affecting chat components where HTML special characters used in the user's full name failed to be escaped correctly.

Appway Extensions

Feature

Area	Importance	Description
Extension	Low	HazelcastForceUnlock Extension 4.1.0: Stale locks on cryptoPasswordsMap and cryptoKeysMap are now released.

Bugfix

Area	Importance	Description
Extension	Low	BAM Extension 3.5.1: 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	Low	Component Extension 8.1.6:

		- Dropdown List and Multiple Selection Field: 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. - Dropdown List: Fixed an issue where the 'Dropdown List' Screen Component received the focus and expanded even if disabled. This issue occurred when tabbing through fields. - Adaptive Flow Layout: Fixed an issue where 'Adaptive Flow Layout' and 'Adaptive Flow Layout Group' Screen Components preserved the spacing of their Info Box child elements, whenever an action required their reload.
Extension	Low	DataAuditTrail Extension 4.0.1: Data Class Configuration: Fixed an issue which prevented the proper usage of the 'Select Data Class' dropdown list following a 'Save' action.
Extension	Medium	IntegrationLinkComponents Extension 1.4.3: Integration Links: Fixed an issue that prevented the correct startup of Integration Links at Appway startup when using the IntegrationLinkComponents Extension.
Extension	Low	MemoryAnalysis Extension 5.1.1: Fixed startup errors when the extension was running in containers.
Extension	Low	ProcessAuditTrail Extension 2.4.5: Further enhancements in the handling of duplicated data found in auditing tables when the Process Audit Trail is executed in ‘keeplatest’ mode.
Extension	Medium	WebServices Extension 2.8.9: Fixed an issue where nested XSD-sequences were not reflected properly in the Data Structure order property.