Remarks

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Release notes with changes since version 7.2.4.

Upgrade notes when upgrading from 7.1.x:
- With Appway 7.2, behavior has changed if you call 'setValue(...)' on a DataValue which has
been added to a Named or Indexed Collection. See the 'DataValue Changes' section in 'System
Upgrade: 6.3 to 7.x' for details on how to check if your solution is affected by this change:
https://community.appway.com/screen/kb/article/system-upgrade-6-3-to-7-0#17-datavalue-changes
- From Appway 7.2, IMap.flush() should no longer be used in solutions. See the 'Usage of
IMap.flush()' section in 'System Upgrade: 6.3 to 7.x' for more details:
https://community.appway.com/screen/kb/article/system-upgrade-6-3-to-7-0#18-usage-of-imapflush
- If your Appway installation uses a Relational database or Cassandra as a cluster storage
backend, you need to create the 'cryptopasswords' table. You can create this table manually or
use the automated approach available from Appway 7.2 if using a Relational database. See the
'Cluster Storage Update' section in 'System Upgrade: 6.3 to 7.x' for details:
https://community.appway.com/screen/kb/article/system-upgrade-6-3-to-7-0#22-cluster-storage-
update

Additional upgrade notes when upgrading from 7.0.x:
- If your Appway installation uses a Relational database or Cassandra as a cluster storage
backend, you need to create the 'piindexdefinitions', 'piindexstatuses', 'piindexdata', and
'piindexdatasizes' tables. You can create these tables manually or use the automated approach
available from Appway 7.2 if using a Relational database. See the 'Cluster Storage Update'
section in 'System Upgrade: 6.3 to 7.x' for details:
https://community.appway.com/screen/kb/article/system-upgrade-6-3-to-7-0#22-cluster-storage-
update
- To provide better guidance and avoid inadvertent styling specification errors, the
possibility to use 'not set' as a value for style references inside 'Style' Business Objects
was removed. In the unlikely situation that 'not set' was used to define a style reference,
validation returns an error in Appway 7.1. Fix the issue by specifying a 'Style' Business
Object for the affected style reference(s).

For details on upgrading to Appway 7.2 from Appway 6.3, see the article: 'System Upgrade: 6.3
to 7.x' at:
https://community.appway.com/screen/kb/article/system-upgrade-6-3-to-7-0

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

For a list of documentation created for Appway 7.2, see here:
https://community.appway.com/screen/support/news/what-s-new-in-the-knowledge-base#whats-new-
december-2017

For information on Known Issues in Appway 7.2, see:
https://community.appway.com/screen/kb/article/appway-7-known-issues

For information on deprecated and removed features in Appway 7.0, 7.1, and 7.2 see:
https://community.appway.com/screen/support/news/feature-removal-and-deprecation-planned-with-
appway-7-0

https://community.appway.com/screen/kb/article/feature-removal-and-deprecation-with-appway-7-1
-and-8-0
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Appway Platform (Core)

Change

Area	Importance	Description
3rd Party Library	High	The following Java libraries have been upgraded to address potential security vulnerabilities: • Bouncy Castle from 1.38 to 1.59 • BeanShell from 2.0b4 to 2.0b6 • Camel from 2.16.4 to 2.17.7 (includes Camel Core, Camel JDBC, Camel JMX, Camel JXPath, Camel LDAP, Camel Mail, Camel SOAP, Camel Spring) • Commons BeanUtils from 1.8.3 to 1.9.2 • Commons Codec from 1.9 to 1.10

		• Commons Email from 1.3.1 to 1.5 • Commons FileUpload from 1.3.2 to 1.3.3 • OWASP Encoder from 1.2 to 1.2.1 • OWASP ESAPI from 2.1.0 to 2.1.0.1 • HttpComponents Fluent HC from 4.4 to 4.5.5 • HttpComponents HttpClient from 4.5 to 4.5.5 • HttpComponents HttpCore from 4.4.1 to 4.4.9 • HttpComponents HttpMime from 4.4 to 4.5.5 • Jackson Annotations from 2.5.3 to 2.8.11 • Jackson Core from 2.5.3 to 2.8.11 • Jackson Databind from 2.5.3 to 2.8.11.1 • Java Mail from 1.5.0 to 1.5.6 • Spring from 4.1.9 to 4.2.9 (includes Spring AOP, Spring Beans, Spring Context, Spring Context Support, Spring Core, Spring Expression, Spring JDBC, Spring JMS, Spring Messaging, Spring ORM, Spring TX, Spring Web) In addition, the following library has been patched on the source code level and recompiled for compatibility with Bouncy Castle 1.59: • iText 2.0.4 Note: Recompile any custom extensions you are using to ensure their correct functionality.
System Maintenance	Low	Explanatory tooltips were added to the column headers of the I/O, CPU, and Serialization Statistics tables. These tables are available in the Studio under System Maintenance > Statistics.
Value Store Splitting	Low	The HashMapJsonFactory was removed from DataValueJsonFactories. As a consequence, do not use java.util.HashMap directly inside Value Stores as it would be serialized using standard Java Serialization plus Base64 encoding.

Bugfix

Area	Importance	Description
Ajax Update Area	Low	Fixed the following issue which occurred in Internet Explorer 11: after updating an Ajax Update Area, the click actions defined for a Button were not triggered when the button was clicked.
Case Management	Low	Fixed an issue where CaseCollaboration.ParticipantInfo.getCaseRoles().contains(String) was returning an incorrect value.
Screen Components	Low	Fixed visual and functional issues in the Dropdown List and Multiple Selection Field components which occurred while running Appway on WebSphere Liberty Profile.
Script Language	Low	Fixed a validation error occurring for default Static Function code directly after being created in a Data Class.
Studio	Low	Fixed an issue where scrolling in the Library did not work correctly when specific versions of Chrome were used in combination with high-resolution displays.
Text Area	Medium	Variable bindings for this component now work correctly in Firefox, meaning that form values are no longer reset.
Workspace	Low	Focusing on the first field of a page now works correctly for the following Screen Components: Checkbox, Checkbox List, Radiobutton, and Radiobutton List.

Appway Extensions

Feature

Area	Importance	Description
Extension	Medium	Inbox Extension 1.4.0: Features: - The WorkItemRangeFilter as well as the Search and Sort functionality now allow defining filters on token attributes which consider inherited values. - Added the function IsEmptyLogicalInboxFilter which checks if a filter of the type WorkItemBaseFilter has been added in a WorkItemAndFilter/WorkItemOrFilter/WorkItemNotFilter to execute Boolean logic. - Improved error handling for filtering and search in the GetInboxWorkitems function.

		Changes: - The isEmpty() method is now available for the filters WorkItemAndFilter, WorkItemOrFilter, and WorkItemNotFilter. This method checks if a filter was set to execute the expected Boolean logic. Bugfixes: - The getFilters() method in WorkItemNotFilter no longer returns a collection with a null value when no filter was set. - Fixed a NullPointerException in WorkItemRangeFilter which occurred when filtering on a custom instance or token attribute with a missing attribute value. - Fixed a ClassCastException which occurred when sorting, searching, and applying a range filter on a custom instance and token attribute.
Extension	Medium	NativeAppServices Extension 3.1.0: - Feature: Added the Badge Calculator feature which includes functions that support RestAPIs and the push notifications badge for iOS. - Bugfix: Fixed an issue with Android push notifications caused by the case sensitivity of login.
Extension	Low	ProcessAuditTrail Extension 2.4.3: - Feature: Added eventTypeId, eventId, tokenId parameters to the ProcessAuditTrail_LogCustomEvent Function. - Feature: Added eventTypeId, eventId parameters to the ProcessAuditTrail_LogCustomEvent Trackpoint.

Change

Area	Importance	Description
Extension	Medium	Inbox Extension 1.4.1: - Change: Indexing is now enabled by default (the 'indexing.enabled' configuration property is set to true).
Extension	Low	JMXBrowser Extension 2.1.1: - Change: Improved sorting of MBeans listed in the JMX Browser (Appway).
Extension	Medium	WorkspaceCollaboration Extension 3.0.7: - Change: Security: Implemented protection against Cross-Site Request Forgery (CSRF) attacks.

Bugfix

Area	Importance	Description
Extension	Low	BAM (Business Activity Monitoring) Extension 3.4.6: - Bugfix: Fixed an issue in the BAM installation scripts. These scripts now use the provided DB schema when creating/dropping/clearing BAM tables (for all database management systems).
Extension	Low	Component Extension 7.2.5: - Bugfix: Tooltip: Fixed an issue where the tooltip was not displayed right beside the tooltip icon. - Bugfix: Style Business Object. Fixed an issue where the Heading1-small 'Style' Business Object referred to a Heading2 'Style' Business Object, thus generating error boxes.
Extension	Low	Component Extension 7.2.6: 'Multiple Selection Field' Screen Component: - Change: When the user types some characters in the search field of the 'Multiple Selection Field' Screen Component and then selects an option, the typed characters are now cleared from the search field. - Bugfix: Fixed an issue in the 'Multiple Selection Field' Screen Component where the option list scrolled up after lazy loading (in Internet Explorer 11). - Bugfix: Fixed an issue where the selected options in the 'Multiple Selection Field' Screen Component overlapped with the field itself.

		- Bugfix: Fixed an issue in the 'Multiple Selection Field' Screen Component where it was not possible to clear options through the Close ('x') icon when the options to be deleted were not lazy-loaded. - Bugfix: Fixed an issue where the 'Select All' option was available in the 'Multiple Selection Field' Screen Component even when the Data Source was not of type 'Static'. 'Form Channel' Screen Component: - Bugfix: Fixed an issue in the 'Form Channel' Screen Component where the innermost collection in a series of nested collections was not displayed if it had no elements.
Extension	Medium	ProcessMigration Extension 4.0.0: - Bugfix: Batch programs containing references to Business Objects no longer fail when those Business Objects are moved to another Package.
Extension	Low	WebServices Extension 2.7.9: - Bugfix: Fixed an issue were WebServices responses were not parsed correctly on IBM JDK with WebSphere Application Server.