Remarks

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Release notes with changes since version 7.1.3.

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)

Feature

Area	Importance	Description
Adaptive Flow Layout Group	Medium	The 'Adaptive Flow Layout Group' Screen Component can now be styled with a 'Style' Business Object. This Screen Component is part of the ComponentExtension.
Case Template Editor	High	The way Correctness Rules are defined has been improved: they are now bound only to a property of a Data Class instead of a specific variable, meaning that the Correctness Rule applies to all instances matching the defined Data Class/property on the Case Template. This allows users to model a Correctness Rule on a property regardless of if the object is

		used inside a collection or not and therefore it enables supporting all kinds of nesting (e.g. nested collections). In addition, this new approach enables defining rules for Data Classes that are not directly used in the Variable Tree (e.g. a specialized class inside a generic collection). Bindings created in AW 7.1 and lower will continue to work until the old approach is removed (planned for Appway 10), but the binding can no longer be modified.
Date Picker	Medium	- Feature: The Popup virtual component of the 'Date Picker' Screen Component can now be styled to allow consistent styling of all popups in a solution. - Bugfix: The Back and Next buttons for switching between months now again work correctly on Internet Explorer 11. This Screen Component is part of the ComponentExtension.
Dropdown List	Medium	- Feature: Further elements of the 'Dropdown List' Screen Component can now be styled: List Entry virtual component, Search Field, or Popup virtual component (allows consistent styling of all popups in a solution). - Change: Improved the highlighting in the Dropdown List. For example, when opening the popup, now the first non-selected List Entry is highlighted. - Change: The Dropdown List now displays a Search field as soon as two or more items are available for selection (the previous threshold was 10 items). This Screen Component is part of the ComponentExtension.
File Upload	Medium	The 'File Upload' Screen Component can now be styled with a 'Style' Business Object.
Form Channel	High	- Feature: It is now possible to model a multi-selection, by creating a correctness rule which maps a Catalog to a variable with the collection type 'Indexed elements'. In the Form Channel, the multi-selection is rendered by the 'Checkbox List' Screen Component or, if the number of options in the Catalog is 6 or more, the 'Multiple Selection Field' Screen Component. - Bugfix: The Form Channel no longer displays "null" in text fields that have a data binding that is null. - Bugfix: Fixed an issue where the Form Channel failed when entering non-numeric data in a numeric field. - Bugfix: The Form Channel Date Picker and Dropdown List components can now be styled correctly through the Form Channel Style Business Object. - Bugfix: Improved the focus handling of several Screen Components on the Form Channel. This Screen Component is part of the ComponentExtension.
Packages	Low	The Package Versions section on the Package Maintenance tab now shows if a Package was deleted (before later being reimported or recreated).
Phase Chevron	High	The 'Phase Chevron' Screen Component has a new design. Moreover, it can now be styled with a 'Style' Business Object. This Screen Component is part of the ComponentExtension.
Screen Actions	Medium	The 'Display Entry Point' Action is a new way of integrating Entry Points defined in Packages into solutions. When the Action is triggered based on events occurring on the Screen or with a Screen Component, it calls the defined Package Entry Point.
Studio	High	The Obliteration feature, well-known from Appway versions 6.3 and lower, is again available and is now Package-aware. Obliterating old, no longer used versions of Business Objects can free up significant amounts of memory and helps keep long-running systems performant. In the 'Base' Package, obliteration works on a Business Object-basis like in Appway 6.3 and lower. For all other Packages, you do not obliterate individual Business Object versions available in the Package, but rather Package versions. This approach preserves the integrity of Package versions.
Style Business Objects	Medium	- Feature: The 'Interactive Element' styling property of many 'Style' Business Objects now features an 'Icon' option. This allows choosing the icon to be displayed on the Screen

		Component. This feature is available for the following 'Style' Business Objects: Anchor Bar, Date Picker, Dropdown List, Filter Tray, Sorting Control, List Entry, Selected Option, Navigation Menu, Search Field, Info Box, Password Field, Text Field. - Change: Updated some of the default values for 'Style' Business Objects. These new default values only take effect for new installations. If you are upgrading to 7.2 from a 7.0.x or 7.1.x installation, the default values available when you first installed are persisted. The affected 'Style' Business Objects are: NavigationMenu_PopUp, NotificationPopup_PopUp, SelectedOption, ListEntry, Anchor Link, Text-inverted.
Styling	High	When developing Screens, being able to easily and consistently apply styles to many Screens and applying changes to the styling at a later point is a major concern and can be very time-consuming. The new concept of Style Packages addresses this issue. A Style Package is applied to a Screen using the new 'Style Package' property which is available for the View component, the root component of each Screen. The 'Style' Business Objects defined for the Screen Components used on the Screen are then automatically overridden by the corresponding 'Style' Business Objects with the same ID available in the specified Style Package. Note: Technically, Style Packages are the same as any other Package, the difference lies in the Business Objects you place inside: Only Business Objects relevant to achieve styling go into a Style Package.

Change

Area	Importance	Description
3rd Party Library	High	The Hazelcast library was upgraded to version 3.8.7.
Licensing	Low	The License Report was enhanced to include anonymous information on Studio Access and technical statistics for product improvement purposes. This does not include any sensitive data.
Script Language	High	Primitive Type instances containing immutable values are now re-wrapped when assigned in a Named Collection 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

Bugfix

Area	Importance	Description
Business Objects	Low	It is no longer possible to create multiple Business Objects in the same Package if the objects use the same ID, differing only by the casing.
Case Template	Low	Correctness rules are now only evaluated if a value was entered, unfilled (null) data is ignored.
Global Validation	Low	Some Package-related validations did not show up in the solution validation (also known as "global validation").
Integration Link	Low	Fixed an issue where the Integration Link preview did not allow entering values for parameters.
Library	Low	For Packages in read-only mode, the Library now shows the sidebar when a Business Object is selected.
Package Configuration Editor	Low	Fixed an issue where the Business Object selector did not disappear when closing the dialog.
Packages	Low	When you import a newer version of an unmodified Package, the Import dialog no longer displays the "Override Local Modifications" warning.

Appway Extensions

Feature

Area	Importance	Description
Extension	Low	RelationalDbHazelcastStore Extension 12.0.2: - Feature: Missing database tables can now be created automatically. See here for details: https://community.appway.com/screen/kb/article/system-upgrade-6-3-to-7-0#221-

		automatic-table-creation - Bugfix: Configured a timeout (10s) for the validation query that is executed before the connection is returned from the pool.

Change

Area	Importance	Description
Extension	Low	DataAuditTrail Extension 3.4.0: - Change: The extension now returns cloned old and new value DataValue instances when calling AuditTrailUtils.transformChangeEventsToDataAuditChanges().
Extension	Low	DefaultIcons Extension 1.2.3: - Change: Added the 'Info Thin' icon and revised the existing 'Info' icon for design consistency. - Bugfix: Removed the 'Fill' property from the SVGs of the following icons to allow applying a color to them via a 'Style' Business Object: Appway A, Cog (Settings), Email, Flashlight, Minus Sign, Plus Sign, Appway Rocket, Star (Transparent), Star (Black), Stop Sign.

Bugfix

Area	Importance	Description
Extension	Low	ProcessAuditTrail Extension 2.4.2: - Bugfix: The Sync job now no longer adds non-existent Process Instances to the logCommandVersions map.
Extension	Low	WebServices Extension 2.7.5: - Bugfix: Handling of passwords in both the Integration Links and in the REST UI has been improved to support both script and static password encryption. - Bugfix: Fixed the I/O statistics available for Web Services. It is now possible to view statistics for both SOAP and REST.