Appway 7.2

Release Announcements

November 22, 2017

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This document presents the new features and enhancements that will be released with Appway 7.2 and the related use-cases these features address.

Upgrading to AW 7.2 from AW 7.1.x is seamless and requires no manual steps.

More details on new features and enhancements will be available with the release in the:

- Appway 7.2 Release Notes
- Knowledge Base on community.appway.com

The planned release date for Appway 7.2 is Wednesday, December 20.

New Features in Appway 7.2

Obliteration

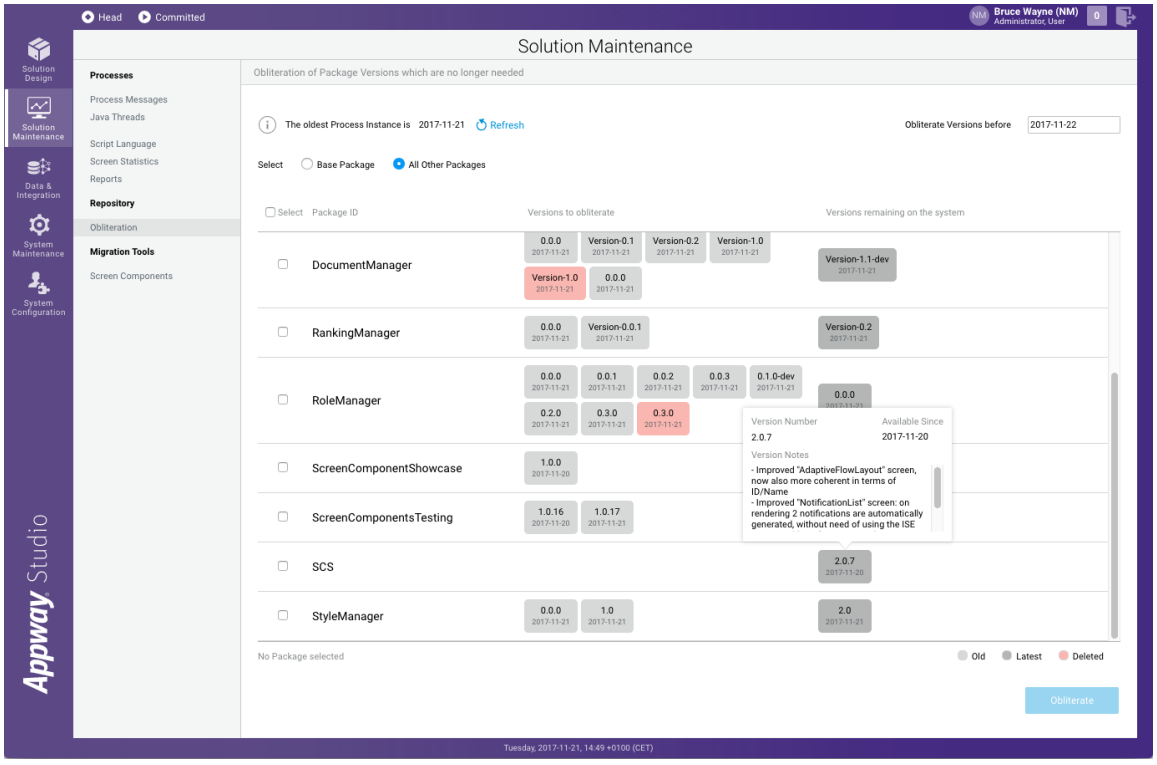
Obliterating old, no longer used versions of Business Objects can free up significant amounts of memory and helps keep long-running systems performant. With Appway 7.2, the Obliteration feature, well-known from Appway versions 6.3 and lower, will again be available. This updated version of the Obliteration functionality is Package-aware and provides an improved user experience.

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.

Appway automatically suggests an obliteration date based on the oldest running Process Instance to help users ensure that obliteration does not affect Business Objects still needed in active Process Instances. The obliteration date defines that:

- The last Package version which was created before the specified obliteration date is retained (unless it was deleted).
- (For the 'Base' Package) The last version of a Business Object which was committed before the specified obliteration date is retained (unless it was deleted).

The UI provides a visual overview of the Package versions / Business Objects which will be obliterated:



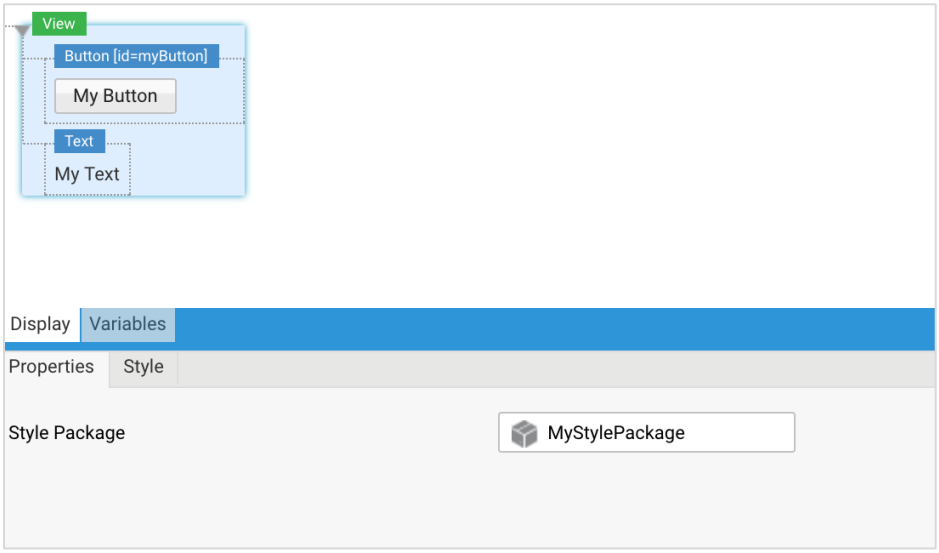
'Display Entry Point' Action

The 'Display Entry Point' Action is a new way of integrating Entry Points defined in Packages into solutions. The 'Display Entry Point' Action is very similar to the 'Display Screen' Action, but is linked directly to the concept of Entry Point in Packages. When the Action is triggered based on events occurring on the Screen or with a Screen Component, it calls the defined Package Entry Point.

Style Packages

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 concept of Style Packages being introduced with Appway 7.2 will address this issue. 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 (can include non-'Style' Business Objects, such as Resources or Style Values). A Style Package should contain all Style-related Business Objects needed to cover the styling needs of your solution.

A Style Package is then applied to a Screen using the new 'Style Package' property which is available for the View component, the root component of each Screen:



The directly referenced 'Style' Business Objects for all Screen Components used on the Screen are then automatically overridden by the corresponding styles with the same ID available in the specified Style Package. If a rendered Screen has multiple Screen Includes where a Style Package is defined, only the first Style Package in the hierarchy of Screen Includes will be used.

Enhancements in Appway 7.2

New 'Style' Business Objects

For the following Screen Components, 'Style' Business Objects will be available with Appway 7.2:

- Adaptive Flow Layout Group
- File Upload
- Phase Chevron

'Dropdown List' Screen Component

Further elements of the 'Dropdown List' Screen Component can now be styled:

- List Entry virtual component
- Search Field
- Popup virtual component (allows consistent styling of all popups in a solution)

'Date Picker' Screen Component

A further element of the 'Date Picker' Screen Component can now be styled:

- Popup virtual component (allows consistent styling of all popups in a solution)

Case Management – Correctness Rules

Two enhancements to Correctness Rules will be available with Appway 7.2:

- When an indexed collection (simple element) is dragged into the Correctness Rules tab, it is now possible to model a multi-selection using a Catalog.

  In the Form Channel, the multi-selection will be rendered by the 'Checkbox List' Screen Component or, if the number of options passes a certain threshold, the 'Multiple Selection Field' Screen Component.

- The way Correctness Rules are defined has been changed: now they are 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).