Remarks
Release notes with changes since version 5.3.12.

Upgrade Notes:
No special actions are required when upgrading from Appway 5.3.12 to 5.3.13.

Appway Platform (Core)

📒 Change

Area	Importance	Description
Libraries	Low	Integration of OWASP Enterprise Security API (ESAPI) library 2.1.0 into Appway 5.3. The ESAPI library is configured and initialized on Appway startup, unless the configuration property "nm.security.esapi.init" is set to "false". The following locations are checked to find ESAPI configuration files: 1. directory path specified by Java system property "org.owasp.esapi.resources", 2. directory "<DataHome>/conf/esapi", 3. class path directory "/esapi". Appway contains default ESAPI configuration files on the class path under "/esapi/ESAPI.properties" and "/esapi/validation.properties".
Libraries	Low	Upgrade Bouncy Castle Crypto API from version 1.37 for Java 1.4 to version 1.38 for Java 1.6.

🐞 Bugfix

Area	Importance	Description
Catalog Editor	Low	The content of dropdown "Select a Source" is now sorted alphabetically.
Documents	Low	Setting vertical alignment on cells in PDF Output Tables did not have any effect.
PDF Renderer	Low	If a non-replicated page followed a replicated page it contained the wrong data when pages were replicated.
PDF Renderer	Low	Rendering PDF Output Tables with a very large amount of elements could lead to a StackOverflowError.
Refactoring	Low	Refactoring of a business object id of a color was not applied in resource files with mime types "text/*", "application/javascript", "application/json", and "application/xml".
Screen Rendering	High	Template: Remember template scope in a local map in page context instead of registering it in the value store. This fixes a race condition where scopes and variables could have been lost if a value store has been persisted in parallel to rendering a template screen.
Script Editor	Low	Fixed problem related to log message "Cannot pop root scope".
Script Language	Low	Calculations with +/- infinity did not work.
Script Language Editor	Low	Fix for a bug in the validation of function calls where the Java function implementation declares a return type of "Indexed <Type>" or "Named <Type>".
Security	Low	Fix in JSPServlet security check to work around an issue with WebSphere. HTTP requests sent to "/jsp/..." have always been blocked with a message like "Unauthorized access to JSP Resource blocked: ..." when running on WebSphere.
Studio	Low	UAT-Toolbar: Clicking on "Open Studio" will now try to focus an existing studio window if one is present. If focusing fails, because of browser limitations, a message will appear, telling the user to look for it manually. If no studio window is present at all, a new one is opened.
Workspace Tools	Low	Replaced String.trim() with a custom trim() function since IE 8 does not support String.trim().