Remarks

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Release notes with changes since version 11.1.1.

For Technical Requirement information, see:
https://community.appway.com/screen/kb/article/system-installation-technical-requirements-1482807410782

For information when upgrading to Appway 11 from Appway 10.x, see the 'System Upgrade: 10.x to 11.x' article:
https://community.appway.com/screen/kb/article/system-upgrade-10-x-to-11-x-2140770481340

For new Appway 11 installations, see:
- System Installation guide: https://community.appway.com/screen/kb/article/system-installation-appway-11-2169641374132
- System Installation Using Containers guide:
https://community.appway.com/screen/kb/article/system-installation-using-containers-appway-11-2170238244928

For information on deprecated and removed features in Appway 11, see:
https://community.appway.com/screen/kb/article/feature-removal-and-deprecation-with-appway-11-2107886397762

For Appway 11 Known Issues, see: https://community.appway.com/screen/kb/article/appway-11-known-issues-2199176263340

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)

Bugfix

Area	Importance	Description
Advanced Studio Permissions	Medium	Fixed an issue in the Advanced Studio Permissions (Entitlements) that caused the Policy file re-encryption to fail silently when the crypto key that was used to encrypt the Policy (alias: appway.security.entitlement.key) was changed. This lead to an “Unable to deserialize the Policy from the cluster file storage” message during the following startup.
App Tasks	Low	Fixed an issue that caused an error when creating a new Data Logic Business Object using the context menu in the Process Editor of the Data Gathering and Data Review App Tasks. This issue affected the mentioned App Tasks only. Check the Products page for information on App Tasks releases: https://community.appway.com/screen/products Check documentation for feature details: https://community.appway.com/screen/kb/article/2011875823178#3-the-data-gathering-app-task-in-the-process-editor https://community.appway.com/screen/kb/article/2219513618010#35-data-review-app-task-in-the-process-editor
App Tasks	Low	Fixed an issue that prevented the correct import of App Task configurations (Variable Assignments) if the import was performed while the App Task-specific extension was not running (e.g., the RelationshipDefinition extension for the Relationship Definition App Task).
App Tasks	Low	The iteration Variable defined in the 'Looping' tab of App Tasks (Process Editor) is now available in the script editors of the other App Task properties.
Appway Docker Images	Low	Docker Images: When a License file is mounted, it is now possible to replace it at runtime.
Compare Package Version	Low	The 'Compare Package Versions' feature ('Solution Design'> 'Packages' > 'Maintenance') now gracefully handles the case of Packages with only one version by preventing comparison.
Data Class Editor	Low	Fixed an issue affecting Data Class properties where the focus was not set on the 'Name'

		field after adding such properties through the keyboard shortcut CTRL-E.
Data Sources	Low	Fixed two Data Source issues that caused the following error messages to be printed to the logs: - "Unknown DataSource vendor for display text value 'Microsoft SQL Server'" (when using a Microsoft SQL Server database). - "Error determining Data Source Vendor from Database Vendor 'Other'" (when the user selected the option 'Other' as Database Vendor). Note that none of these errors had any functional impact.
Data Task	Medium	Fixed a 'Null Pointer Exception' that took place under specific conditions when starting a Data Task in a Process.
Package Versioning	Low	A validation mechanism has been added when creating a Package Version number, thus preventing the user from creating a version containing invalid characters, thus triggering an error at the end of the process.
PDF	High	Fixed an issue occurring when generating a PDF where unnecessary new pages and/or hidden text copied from previous pages were added. Note that this fix implies a change in PDF rendering. The new rendering mode can be disabled by setting this configuration property to 'true' (default is 'false'): 'nm.pdfrenderer.dyndoc.legacy.renderer'. However, consider that this property is deprecated starting from the current Appway version, therefore we recommend moving to the new behavior. See deprecation information: https://community.appway.com/screen/kb/article/2107886397762
Screens	Medium	Fixed an issue that prevented the correct functioning of the diff mechanism for Screen Business Objects when comparing two versions with defined Component Event Sources.
Script Language	Low	The 'Collection:Size()' Script Function now supports legacy methods that return List or Map instead of Indexed and Named Collections.
Security	Medium	Workspace: If an exception is detected while rendering a Screen, Appway no longer includes exception-specific information such as the exception class or detailed message in the error box message. Instead, a generic error message with an error number is rendered. A developer or system administrator can use this number to find more details about the exception in log files. This is done to avoid any malicious attacks.
Security	Medium	- The third-party Java library Xerces-J has been upgraded from version 2.12.0 to version 2.12.2 in order to fix security vulnerability CVE-2022-23437. - The third-party Java library log4j 1.2.17 has been replaced with reload4j 1.2.18.4. reload4j is a fork of log4j 1.2.17 with fixes for the following security vulnerabilities: CVE-2019-17571, CVE-2020-9488, CVE-2020-9493, CVE-2021-4104, CVE-2022-23302, CVE-2022-23305, and CVE-2022-23307. Furthermore, a potential XML entity injection vulnerability has been fixed. As a consequence of this migration to reload4j, NTEventLogAppender is no longer available in custom log4j configurations of Appway. See System Upgrade: https://community.appway.com/screen/kb/article/2140770481340#114-library-updates-in-appway-1113
Security	Medium	Workspace: If a user tries to access a workitem assigned to another user, Appway no longer includes the workitem owner in the error message on the error page. This is to prevent user enumeration attacks.
Simple Entity Deserializer	Low	Parsing of CDATA sections on IBM JVM is now supported.

Appway Extensions

Feature

Area	Importance	Description
Extension	Low	Functions Extension 7.1.1: - The new Script Function 'Pdf:Split' has been introduced to allow splitting a PDF file into

		multiple PDF files. - The new Script Function 'Pdf:RotatePages' has been introduced to allow rotating the pages of a PDF file. - The new Script Function 'Pdf:Merge' has been introduced to allow merging multiple PDF files. This function has the same behavior as 'MergePDFFiles'. We recommend adopting the new Script Function 'Pdf:Merge'. - The new Script Function 'Pdf:CountPages' has been introduced to allow getting the number of pages of a PDF file. This function has the same behavior as 'PDFNumberOfPages'. We recommend adopting the new Script Function 'Pdf:CountPages'.

Change

Area	Importance	Description
Extension	Low	DeploymentAPI Extension 2.0.0: In the /imports endpoints (for .awdeployment and .awexport files), the new 'deleteArchiveFile' parameter has been added. If set to true (default), the .awdeployment or .awexport file is deleted from the file system after import. If false, the archive file is kept. If unset, default is true (file is deleted). See documentation: https://community.appway.com/screen/kb/article/2286969907961
Extension	Medium	ProcessMigration Extension 5.1.1: If Advanced Studio Permissions are available, the 'Solution Maintenance' > 'Migration Tools' > 'Processes' submodule in Appway Studio is now accessible upon the 'Manage Process Instances' Permission. See documentation: https://community.appway.com/screen/kb/article/1544500137107 https://community.appway.com/screen/kb/article/1695975642783#manage-process-instances

Bugfix

Area	Importance	Description
Extension	Low	AppTask Extension 2.6.0: The AppTask Extension is used in Appway Application Business Components. See separate Release Notes in https://community.appway.com/screen/support/news/all
Extension	Low	AppTaskAPI Extension 2.5.0 The AppTaskAPI Extension is used in Appway Application Business Components. See separate Release Notes in https://community.appway.com/screen/support/news/all
Extension	Medium	BAM Extension 4.0.2: Fixed an issue that prevented the tracking of App Tasks (Data Gathering, Data Review, Relationship Definition, Relationship Review) in Business Activity Monitoring (BAM).
Extension	Low	BusinessDataStorage Extension 1.5.6: Fixed issue which caused an exception ('Method cleanup failed') to be printed to the logs when using Business Data Storage on Websphere Liberty.
Extension	Medium	Component Extension 11.1.3: - Anchor Bar: Fixed an issue where an 'Anchor Bar' Screen Component containing one single link was unnecessarily truncated. - Checkbox and Checkbox List: Fixed an issue that caused Checkbox or Checkbox List texts to overflow the page on IE11.
Extension	High	Deployment Extension 14.0.2:

		When exporting a Package containing uncommitted changes in its properties (Description, Logo, Dependencies, Replacements and others available in the Package Properties tab) in its Latest Created version through the ExportPackages Script Function available in the Deployment Extension, such Package got corrupted and could not be re-imported. This fixes Know Issue KI-110-36: https://community.appway.com/screen/kb/article/appway-11-known-issues-2199176263340#fixed-issues-in-extensions
Extension	High	WebServices Extension 3.0.1: - Fixed an issue that was preventing the execution of WebServices calls when the Web Services Data Classes were created in the Base Package. - Fixed an issue in the Integration Link Rest Client where passwords with special characters generated an error. - Fixed an issue that was creating an incorrect DataEntityConversionUtils Primitive Type, which was also triggering a validation error. - Fixed an issue that prevented the response of WebService calls to be returned when calling the WebServices through script calls (e.g., in Exception Data Classes), when the 'payload.logging.enabled' configuration was set to 'false'. For more information, see documentation: https://community.appway.com/screen/kb/article/1482807618060#23-extension-configuration - Fixed an issue that caused the WebServices payloads to be printed on a single row.