

# RayPack 7.2

## 7.2.6698.3441 [Update 01]

Released on 29 Aug 2022

### New features and improvements

- Integrated new version of Package Store, giving access to a large library of pre-configured packages apps. [RPK-4538](#)
- Extended the list of supported operating systems in the Intune Deployment Wizard [RPK-4518](#)
- Improved conversion of ODBC entries from RCP to App-V. [RPK-4554](#) [ZEN-19607](#)
- Improved performance of INI file building from RCP projects. [RPK-4525](#) [ZEN-19356](#)
- It is now possible to drag and drop Registry entries between local browser and project view. [RPK-4533](#) [ZEN-19309](#) [ZEN-19608](#)
- When importing a REG file with special MSI characters, RayPack now asks whether to treat them literally or as MSI properties. [RPK-4534](#) [ZEN-19309](#) [ZEN-19608](#)
- Pressing F1 (to open contextual help) now reuses previously opened windows. [RPK-1974](#)
- When importing an invalid `.reg` key, RayPack no longer creates an empty component for the new content. [RPK-4577](#)

### Resolved issues

- Fixed an issue, where the first or the second snapshot could failed while repackaging on a virtual machine. [RPK-4547](#)
- Resolved minor UI bugs and issues in MSIX Designer. [RPK-4463](#)
- Fixed an issue, where saving of MST file for the second time could not complete. [RPK-4527](#) [RPK-4531](#) [ZEN-19743](#)
- Fixed importing of DLL containing multiple icons in MSI project. [RPK-3684](#)
- Fixed not-working pinning of MSI apps to the taskbar. [RPK-3761](#)
- Fixed an issue with command line tool `RpCmd.exe`, where it was not possible to sign packages while converting from `.rcp` to `.msi` / `.msix` using parameters `-Certificate` and `-Password`. [RPK-4512](#) [RPK-4520](#) [RPK-4522](#)
- Fixed an issue, where COM `TypeLib` entries and registry keys could be duplicated in the UI, after making manual changes in the Tables view. [RPK-4519](#) [RPK-4576](#) [ZEN-19309](#) [ZEN-19608](#)
- Fixed an issue with import of nested files structure in PSADT projects. [RPK-4520](#)
- Fixed a possible crash when removing a previously added fixup in the MSIX editor. [RPK-4524](#)
- Fixed handling of parameters for functions `Get-InstalledApplication`, `Execute-MSI`, `Execute-Process` and `Remove-MSIApplications` in PSADT projects. [RPK-4529](#) [RPK-4530](#) [RPK-4535](#) [RPK-4537](#)
- Fixed an issue, where the packaging was not possible on machines where the Windows Defender feature was not installed. [RPK-4542](#) [ZEN-19577](#)
- Fixed an issue with MSI shortcut editor, where some localized texts were overlapping the content. [RPK-4545](#)
- Fixed adjusting of complex conditions after removing an MSI property with row tracking enabled. [RPK-4578](#) [ZEN-19309](#) [ZEN-19608](#)
- Fixed an UI issue with missing description and example of usage for PSADT functions. [RPK-4559](#)
- Fixed a warning shown, when saving a PSADT project that removes a registry key. [RPK-4595](#)
- Fixed an issue with creation of MST files from RCP projects. [RPK-4596](#)
- Fixed an exception when generating executable bootstrapper for MSI projects. [RPK-4591](#)
- Fixed minor bugs with MSIX Registry handling (adding and removal). [RPK-4601](#) [RPK-4600](#)
- Fixed an exception when changing signature in Build Options, followed by starting of an MSIX build. [RPK-4604](#)

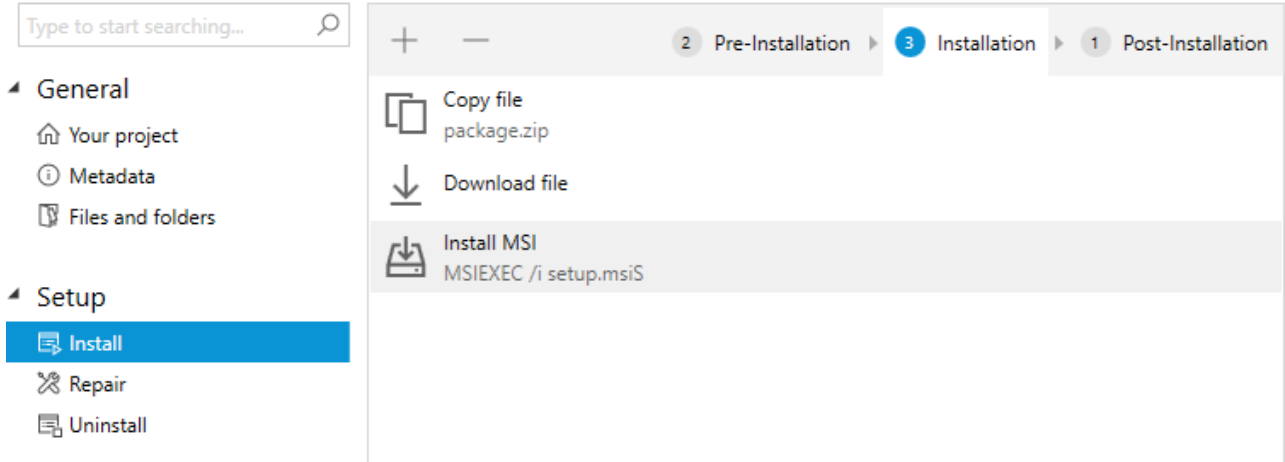
## 7.2.6639.3437 [RTM]

Released on 08 Jun 2022

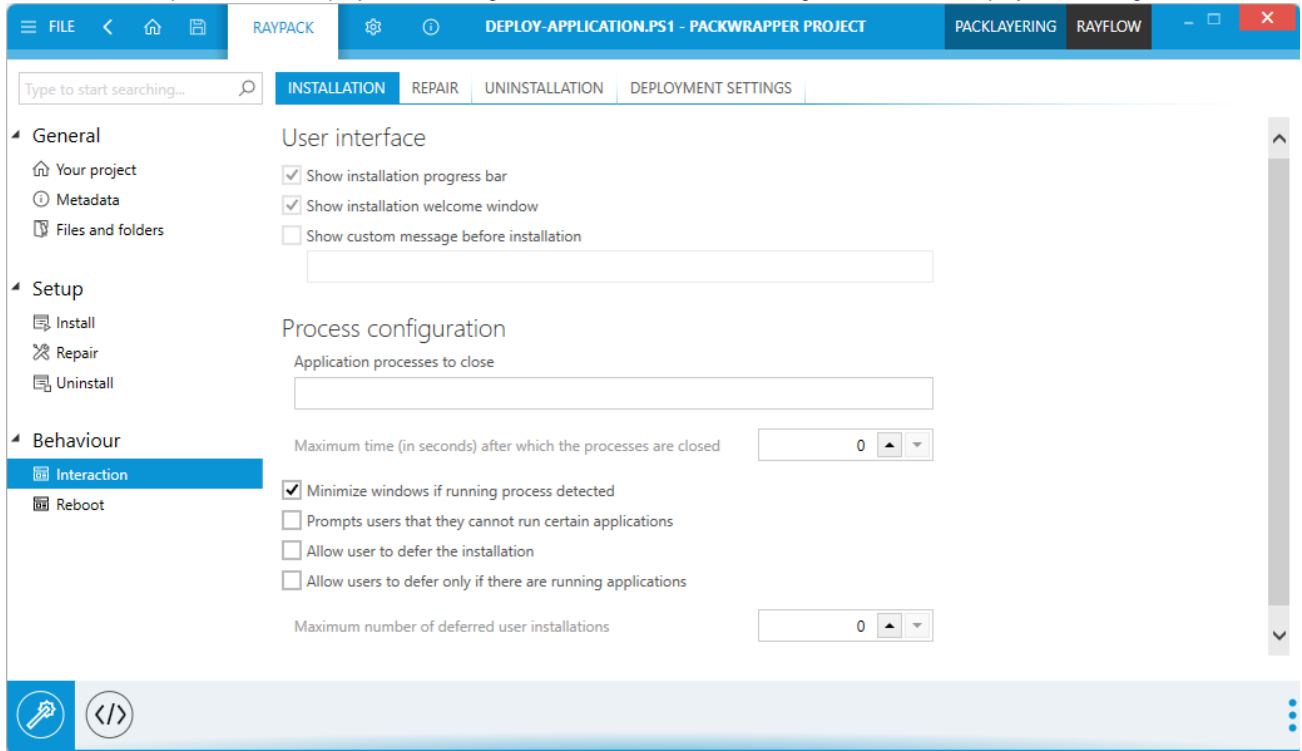
New Options and Features for PSADT Authoring (PackWrapper) [RPK-4247](#) [RPK-4360](#) [RPK-4399](#) [RPK-4365](#)

In this release, we implemented several features and improvements, aimed at making the PSADT editor even more easier and intuitive.

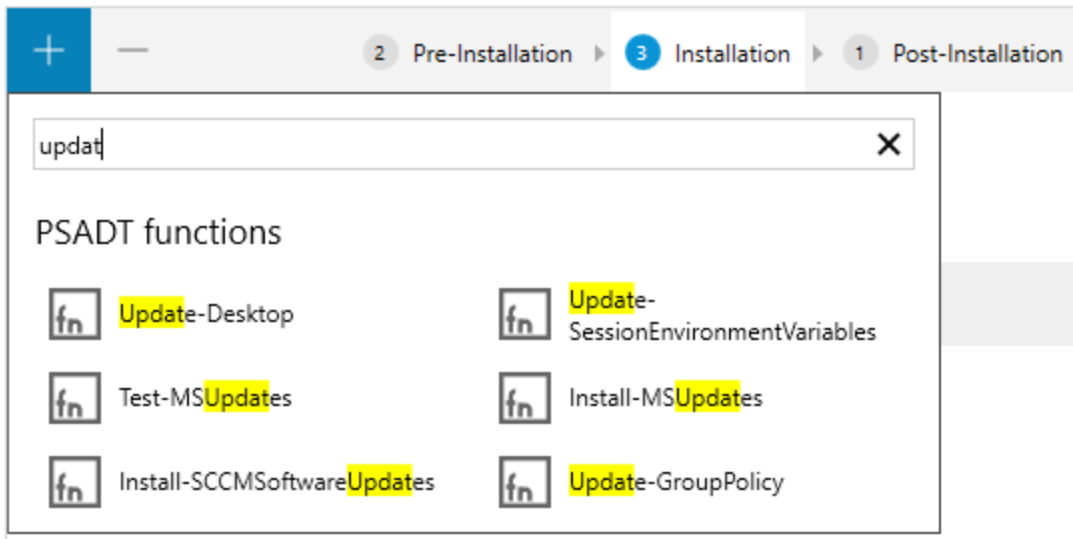
- Selection of the package installation/uninstallation/repair phases is now much more intuitive and provides better feedback about their content. The new tab-like display shows counters, indicating the number of actions contained within the specific phase. Tabs replaced the previously available dropdown fields.



- Two new dedicated pages are now available for PSADT projects: Behavior>Reboot and Behavior>Interaction. They can be used to control various aspects of PSADT projects, including visuals, reboot actions, deferring of installations, deployment settings etc.



- When searching for a PSADT action, after typing three or more letters the standard and custom PS1 functions will be included in the search results. Previously, to add a PS1 function it was necessary to insert an "Execute function" block.



- The standard and custom PSADT functions now display a contextual help about their usage.

### SELECTED STEP

## Execute function

Function name

Set result to

**i** Check to see if a service exists (using WMI method because Get-Service will generate ErrorRecord if service doesn't exist).

**^** Show examples...

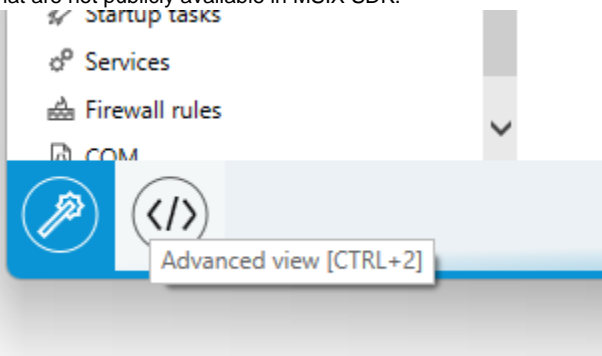
```
Test-ServiceExists -Name 'wuaserv'
```

```
Test-ServiceExists -Name 'testservice' -PassThru | Where-Object { $_ } | ForEach-Object { $_.Delete() }
```

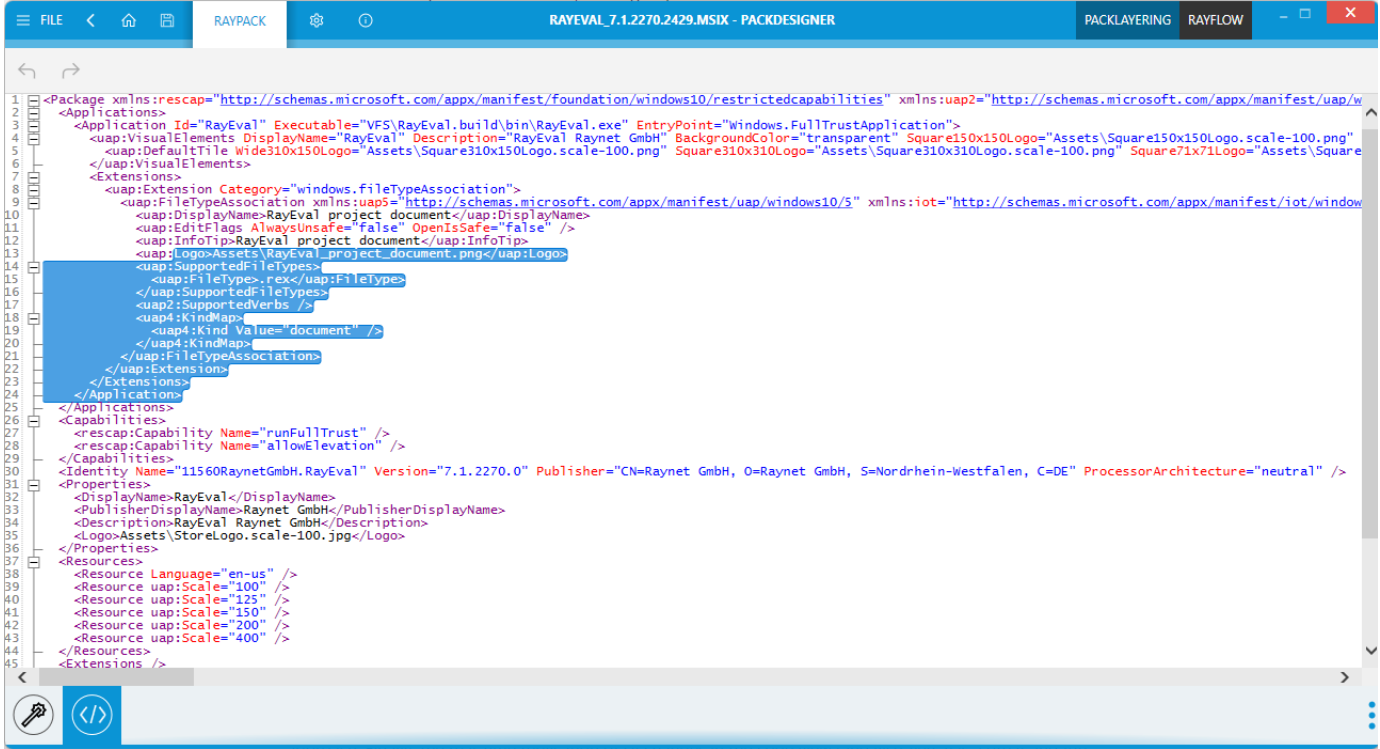
Check if a service exists and then delete it by using the -PassThru parameter.

### Advanced Manifest Editor for MSIX Projects **RPK-4130**

In this version we added the division of the MSIX project editor into two spaces: the visual designer and the advanced designer. Both of these were previously available in MSI and PSADT projects and share similar characteristics. The advanced MSIX designer is an XML editor of the manifest file, which enables MSIX package authors to edit and create the content even for features which are not directly available in the UI or features that are not publicly available in MSIX SDK.

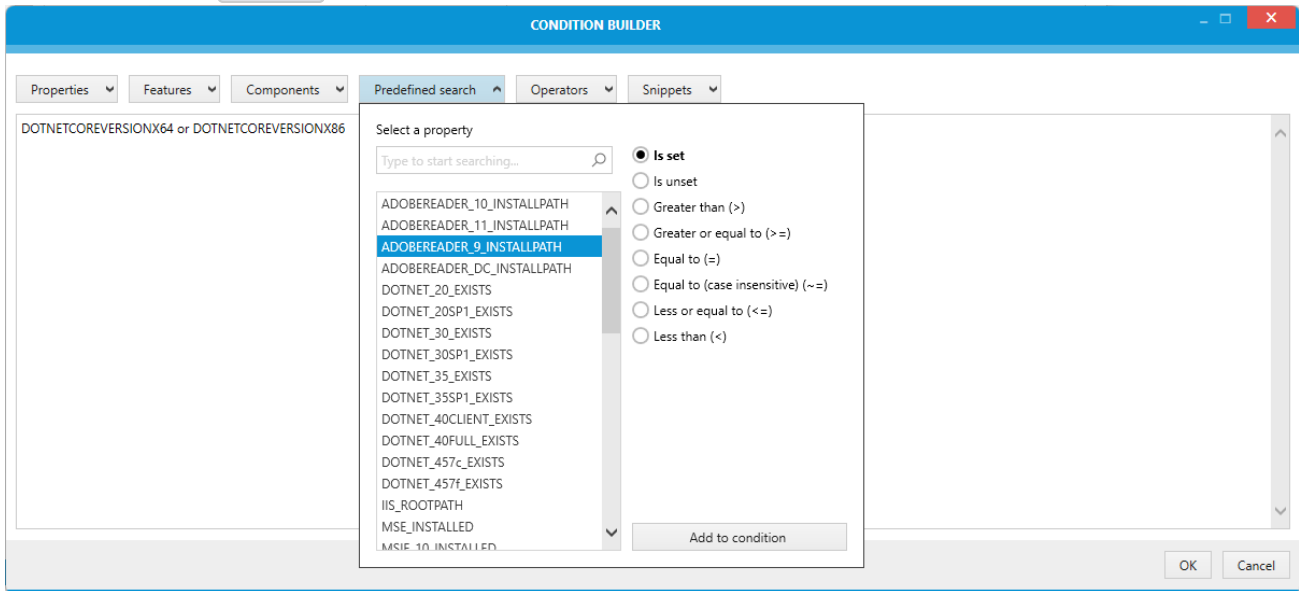


The advanced designer is also a great choice for packagers preferring a quick access to features like Search and Replace or copy and paste, which are usually faster to execute with raw editing than the UI-driven approach. Finally, the real-time replication of UI changes in the code view (and vice-versa) is a great and fun way of learning how things work under-the-hood and to learn the MSIX technology and the manifest concept.



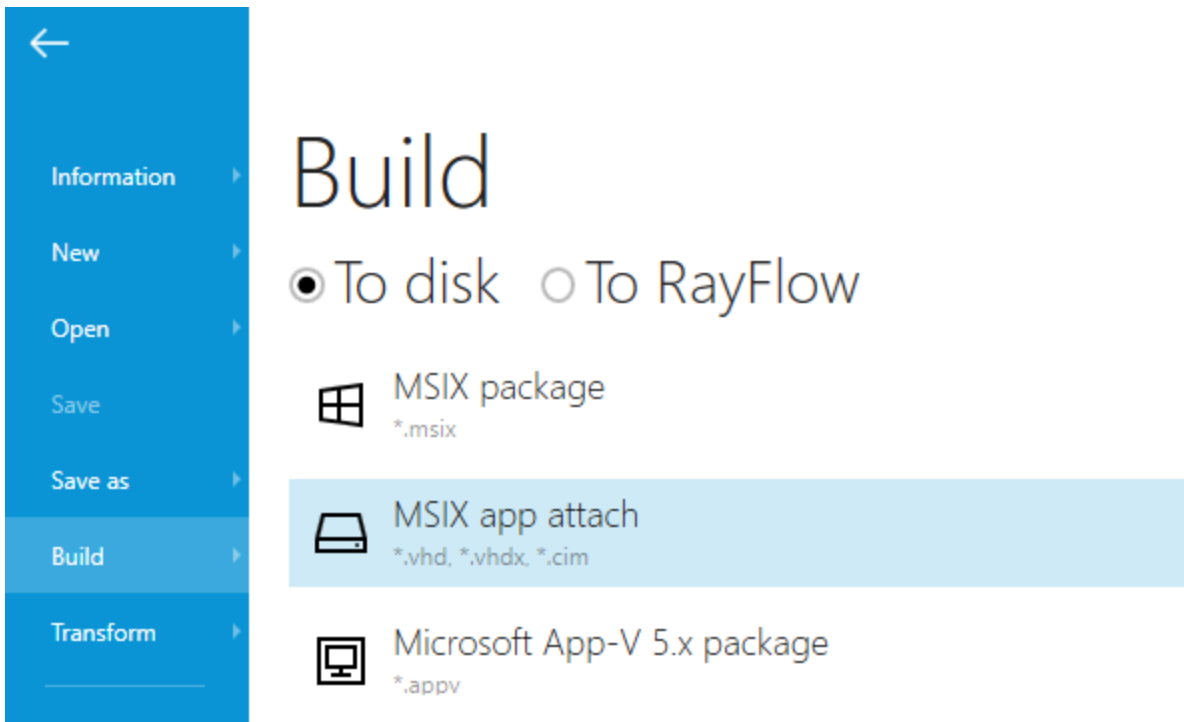
### Improved Condition Builder with Support for Windows 11 and Other Popular Software **RSC-690**

- We added support for Windows 11 in many different places involving conditions and system dependencies.
- We improved the condition builder where inserting a condition for predefined searches would automatically bootstrap necessary entities to perform the search. **RSC-690**



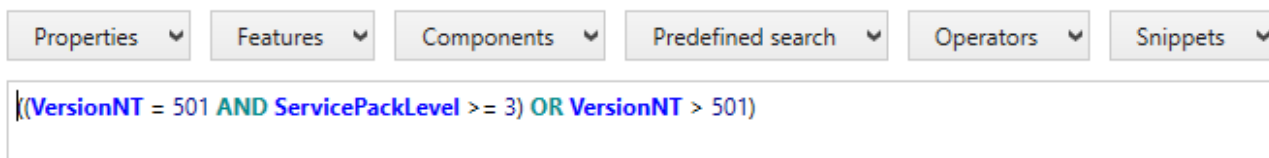
### Support for VHDX File Format for MSIX App Attach **RPK-4417** **RPK-4422**

Building VHDX (app attach) files is now possible directly from a repackaged and converted projects (RCP,RPP,MSI).



Support for Syntax Highlighting in MSI Conditions [RPK-3693](#)

We added syntax highlighting for the MSI condition syntax in various dialogs.



#### Other Improvements

- Log configuration has been unified across all products. Also, we updated log4net to version 2.0.14 to close the security vulnerability described in CVE-2018-1285. [RSC-701](#) [RSC-711](#)
- When importing an INI file, RayPack checks if the file is a correct INI. If not, the file will be imported as a normal file. This may be important in case of INI-like files, where certain rules are not followed, the order is important, etc. [RPK-1007](#)
- Updated out-of-the-box system search conditions for Microsoft Office, .NET Framework, and Adobe Reader. [RPK-3694](#)
- When editing a built-in or a custom PSADT function containing a parameter with a fixed set of values, the visual editor now displays a dropdown with available values instead of a previously available text box. [RPK-4363](#)
- The files and folders view for PSADT projects now updates automatically after background changes (for example adding a file in the Explorer). [RPK-4370](#)
- The ODBC counter in the Your Project overview for MSI/RPP projects now includes both drivers and data sources. [RPK-4391](#)
- Improved the quality of icons extracted from third-party setups when creating a PSADT project. [RPK-4411](#)
- Better and more detailed messages are now displayed in case of a failed signing (for example due to incorrect timestamp server). [RPK-4418](#)
- Improved recognition of timestamp server stamping hash algorithms (resulting in better support for many providers, including for example Comodo/Sectigo). [RPK-4418](#)
- Improved the methods of scanning for vendor MSIs run in the background during the repackaging process. This change should help by repackaging of complex projects (like Adobe Reader) which are internally deployed in the MSI format. [RPK-4431](#)
- Added extra exclusion lists for repackaging, which would exclude various cache files and temporary Edge resources. [RPK-4432](#)
- Improved the performance of opening of PSADT projects. [RPK-4475](#)
- Improved the performance and stability of registry operations in various places. [RPK-4385](#)
- When creating a new PSADT wrapper, the icon is now automatically extracted from the selected installer. [RPK-4273](#)

- PSADT Action “*Check if item exists*” now supports intellisense for variables. [RPK-4331](#)
- The package code field in *PackDesigner* now has extra validation for supported characters. [RPK-4336](#)
- *PackWrapper* (PSADT editor) now supports the in-app help by pressing the F1 button. [RPK-4337](#)
- Mandatory PSADT action parameters are now clearly marked. [RPK-4364](#)
- Added the ability to add missing sections (for example “*Repair*”) if the original script does not contain them. [RPK-4368](#)
- Recent PSADT projects now display the actual project names instead of the generic file names. [RPK-4374](#)
- The PSADT action “*Install MSI*” now has a browse button for MST files. [RPK-4378](#)
- Paths selected from various open file dialogs in the PSADT editor are now by default written using variables and - whenever possible - relative paths. [RPK-4380](#)
- Fix-up names in MSIX editor are now human-friendly. [RPK-4384](#)
- Updated set of merge modules. [RPK-4388](#)
- In MSI/RPP projects, empty components are now removed when the last resource is deleted. [RPK-4390](#)
- Updated the list of MSIX dependencies. [RPK-4397](#)

## Resolved issues

- Fixed an issue, where ProgID values containing a dot (.) were not properly converted from MSI/RPP to MSIX. [RPK-3914](#)
- In non-English localized UI, the .ps1 extension is now available on the list of supported extensions. [RPK-4372](#)
- Fixed various issues with MSIX Core launcher UI. [RPK-4408](#)
- Fixed various issues after renaming a root MSI feature with children features. [RPK-4410](#)
- Fixed sporadic issues with refreshing of PowerShell code after making a change in the Visual Designer. [RPK-4415](#)
- Fixed an issue with the saving of MST files with CAB archives in RayFlow. [RPK-4416](#)
- Removed library *Iconic.Zip* to close discovered vulnerabilities (CVE-2018-1002205). [RPK-4428](#)
- Fixed errors shown when opening or creating projects from PowerShell commandlet. [RPK-4419](#) [RPK-4434](#) [RPK-4439](#)
- Fixed an issue with the creation of folder *ico\_files* in the installation directory. [RPK-4420](#)
- The path to PSADT templates now support variable PackPoint directory. [RPK-4421](#)
- Fixed a faulty behavior of *Show-InstallationRestartPrompt* in vanilla PSADT (bundled with RayPack), where the pop-up would not shown after using the *-NoCountdown* switch. This will only affect new projects, existing PSADT projects have to be retrofitted with the fix. [RPK-4430](#)
- Fixed an exception when using the *Remove-Row* commandlet on some packages. [RPK-4435](#)
- Fixed an exception when connecting to RayFlow. [RPK-4438](#)
- Fixed an exception when deploying to RMS UEM from RPP/MSI projects. [RPK-4451](#)
- Fixed issues with refreshing of the Original setups screen in repackaged projects. [RPK-4453](#)
- Fixed issues when opening a PSADT project containing no "Repair" section. [RPK-4458](#)
- Fixed an issue where PackBot would ignore the output directory setting. [RPK-4459](#)
- Improved stability and performance of the command-line repackaging tool RPCMD. [RTS-2434](#)
- Added missing text-wrapping in the editor of product name in repackaged projects (RCP). [RPK-4303](#)
- Improved the performance and stability of SCCM deployment wizard. [RPK-4414](#)
- Fixed an issue where canceling repackaging and navigating back to the hive and exclusion selector in PackRecorder would not render the list of drives and registry keys. [RPK-4290](#)
- Fixed an issue where non-English translations for RayPack Express edition were not used in the activation dialog. [RPK-4295](#)
- Fixed an issue where it was possible to use restricted file and folders names in *PackWrapper*. [RPK-4297](#)
- Fixed an issue where *PackTailor* would return an error, when connecting to a virtual machine. [RPK-4310](#)
- Fixed an issue where tooltips for cell validation would contain a clipped text. [RPK-4322](#)
- Fixed minor visual glitches in the *PackWrapper* action “*Check if item exists*”. [RPK-4330](#)
- Fixed an issue where supporting CAB files were not saved to *RayFlow*. [RPK-4333](#)
- Fixed the detection of the App-V sequencer by *PackBot*. [RPK-4338](#) [RPK-4347](#)
- Fixed an issue where the Visual Basic script PSADT action was not properly refreshed after making changes in the Advanced View. [RPK-4340](#)
- Fixed the wrong value of the parameter *Description* in PSADT action “*Set active setup*”. [RPK-4341](#)
- Fixed an issue where adding a PSADT action “*Install MSIX*” could freeze the Advanced View. [RPK-4342](#)

- Fixed various issues in the German and the Polish translation. [RPK-4343](#) [RPK-4352](#) [RPK-4375](#)
- Fixed the wrong selection of the non-default profile when using PackBot. [RPK-4344](#)
- Fixed an issue where a wrong registry key was focused after adding a new key in PackDesigner. [RPK-4345](#)
- Added missing vertical scrollbars in the PackBot settings. [RPK-4348](#)
- Improved the handling of the user profile when running MSIX and MSI-based RayPack instances on the same machine. [RPK-4349](#)  
[RPK-4353](#) [RPK-4361](#)
- Fixed a wrong parameter selection for PSADT action “*Install MSI*”. [RPK-4354](#)
- Fixed a rare issue where *RayPack* could not be started when installed from Microsoft Store. [RPK-4357](#)
- Fixed the loading of PSADT projects, that did not contain the “*Repair*” section. [RPK-4368](#)
- Fixed an issue where wrapped *Ray-* functions were shown on the list, even if using a standard PSADT template. [RPK-4366](#)
- Fixed an issue where it was possible to set contradictory options for the PSADT Active Setup action. [RPK-4376](#)
- Added dropdowns with variables in the text editor for PSADT actions. [RPK-4379](#)
- Added missing extension names in open file dialogs. [RPK-4366](#) [RPK-4381](#)
- Fixed a `NullReferenceException` when adding items to an MSI project in case of an invalid profile. [RPK-4382](#)
- Fixed the PSADT action `Get-InstalledApplication`. [RPK-4383](#)
- Fixed an issue with an invalid references to a directory, when the `TypeLib` table needed to be created. [RPK-4386](#)
- Fixed a manifest validation error in case of blank characters in MSIX product name. [RPK-4389](#)
- Fixed an issue where the content of PSADT Advanced View could not be synchronized with the current project. [RPK-4393](#)
- Fixed the capturing of unnecessary resources by *PackBot*. [RPK-4394](#)
- Added a missing text field to select the target variable for PSADT action “*Get Registry value*”. [RPK-4395](#)
- Fixed a `NullReferenceException` when saving an MSIX project. [RPK-4396](#)
- Fixed the generation of PSADT action parameters containing spaces. [RPK-4398](#)
- Fixed the block buttons in the PSADT editor. [RPK-4400](#)
- Fixed a warning when the MSIX description text field was empty. [RPK-4402](#)
- Fixed an issue where removing a registry key would return an error when the PSADT option “*Only if empty*” was used. [RPK-4405](#)
- Fixed an issue where it was not possible to call external scripts with whitespaces in the path of the PSADT project. [RPK-4406](#)
- Fixed the PSADT action `SetActiveSetup`. [RPK-4407](#)
- Fixed an error shown when removing a non-empty `else` statement. [RPK-4409](#)
- Fixed wrong data in `AdminInstallationSequence` in the “New Custom Action” wizard. [RPK-4412](#)
- Fixed app freezes when adding multiple “*Set Registry key*” PSADT actions. [RPK-4413](#)
- Fixed an issue with missing files in Thin-App packages. [RPK-4444](#)