



Release Notes

Packaging Suite 4.0 Patch 1

Enterprise Software Packaging

Application Readiness > Evaluierung >
Paketierung und Virtualisierung > Qualitätssicherung

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Release Notes

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Introduction

This patch of Packaging Suite 4.0 Patch 1 provides both, functional improvements, as well as fixes for known issues from prior versions for all applications which are part of Packaging Suite.



Enterprise Application Lifecycle Management

This patch contains fixes and improvements for all of these applications: RayPack, PackBench, RayQC, RayQC Advanced, RayEval, and RayFlow Client. Furthermore, there have been minor fixes to the Packaging Suite Installer.

Visit www.raynet.de for further information regarding the product and current community incentives.

Raynet is looking forward to receiving your feedback from your Packaging Suite experience. Please contact your Raynet service partner or write an e-mail to sales@raynet.de to add your ideas or requirements to the Packaging Suite development road map!

What's New?

The following chapters contain an overview of the improvements, resolved issues, and the new features that are part of the new release of Packaging Suite 4.0 Patch 1.

RayPack

- **RPK-48** Pressing **F1** in the Tables View with active table selection opens associated help file to that table (link to the official MSDN documentation).
- **RPK-2154** Spinner buttons have been added for Registry and INI settings within the PackRecorder section

PackBench

- **BEN-212** Default run folders (for sources, documentation etc.) are now created automatically when a new run is created, even though there would be empty after creation. This option can be customized on a workflow basis.
- **BEN-215** When creating a new run and selecting MSI file as a target, its supporting files (CAB archives, external files etc.) are also copied to the target folder
- **BEN-208** PackBench recognizes user-defined RayFlow data mappings. Standard RayFlow properties are now automatically mapped to the correct data fields (for more information about data mapping, see RayFlow documentation).

RayQC

- **RQC-585** Performance of RayQC has been improved. Opening and working with large checklist should be now faster and require less resources.
- **RQC-526** RayFlow functions (except of post-processing) are now supported in Professional edition as well (previously they were limited to Enterprise edition only).

RayFlow Client

- **RF-3188** User content localization has been added to the client

Resolved Issues

The following issues from the previous version of Packaging Suite have been resolved in this release:

RayPack

- **RPK-1714** A component created in the MSI template is automatically assigned to another feature when creating a RPP from RCP
- **RPK-2145** Cannot build RPP file if files are on a share (UNC) path
- **RPK-2148** Parameter `-ApplicationPath` in command line for interactive repackaging is marked as mandatory but should be optional
- **RPK-2149** RayPack shows a warning when saving existing `.rcp` file in the same directory under a different file name when sources are being copied
- **RPK-2150** Slow opening of certain `.rcp` files
- **RPK-2151** User Guide contains incorrect path to the default ignore list (`RayPackIgnoredResources.rpx`)
- **RPK-2152** Refresh issues when creating empty exclusion lists
- **RPK-2161** Crash when using command line tools (`rpcmd.exe`) on certain systems having only clean .NET 4.0 installed

PackBench

- **BEN-209** Progress history is not drawn correctly when items are changed
- **BEN-210** Custom variables in a task view are not displayed if there is no tool
- **BEN-218** In some scenarios settings for waiting for a tool to finish and marking the task as closed does not work correctly

RayQC

- **RQC-449** Mixture of "plugins" and plug-ins" used
- **RQC-523** Strings and non english/german words in CMD
- **RQC-571** RayQC crash after clicking on log link
- **RQC-572** Unnecessary dialog for selecting RayFlow package if CMD arguments have been specified
- **RQC-580** Default values are only entered after resetting the checklist
- **RQC-583** RayFlow plugin not working when starting RayQC with a command line parameter `-c`
- **RQC-584** Missing translation when uploading a report to RayFlow

- **RQC-589** "Run Plug-ins (Group)" does not work if `GetPackage` plugin is assigned to the group
- **RSC-284** Incorrect decryption of RayFlow passwords containing "\$" signs in their encrypted forms

RayQC Advanced

- **RTS-1806** Cannot import MSI with MST by CMD
- **RTS-1819** Rule CA014 does not detect certain collisions
- **RTS-1822** Rule CA016 does not detect certain collisions
- **RTS-1823** Error when starting RayQC Advanced installed using existing database with older schema

RayEval

- **RVL-224** Properties function are enabled even if no project is loaded
- **RVL-225** RayEval crashes in some cases when moving images into another stage
- **RVL-226** RayEval doesn't clean up after themselves temporary files
- **RVL-229** Unnecessary dialog for selecting RayFlow package if CMD arguments have been specified
- **RVL-232** Provide a way to specify full path to a REX project when creating a new project
- **RVL-233** Incorrect year in template documents
- **RVL-236** Document date does not get updated when saving document
- **RVL-238** Option to hide the Run Button is disabled by default and its changes require to restart the application
- **RVL-240** Incorrect German translation for activation of the Run Button
- **RVL-242** Incomplete German translation when more than one installer is added
- **RVL-245** Drag and drop from step list to the sidebar crashes the application
- **RVL-246** Under certain circumstances removing of last step in a phase is not possible
- **RVL-247** When adding several installers, the program crashes if one or more of already added setups has been deleted in the background
- **RVL-248** RayEval freezes when moving the last image to another phase
- **RVL-250** Icons in the bottom bar are blurred
- **RVL-251** The bottom bar contains a superfluous 'Close project' button
- **RVL-252** Thumbnails in the Recent files section shows wrong background image for highlighted project
- **RVL-254** Application crashed when opening a missing recent file
- **RVL-255** Exporting a PDF or WORD file fails

- **RVL - 256** Section Recent is shown even if there are no recent projects
- **RVL - 257** Wrong hotkeys settings setup if the same hotkey is assigned twice
- **RVL - 258** The program crashes when working with setup files deleted by user
- **RVL - 261** Some fields are not updated after assigning multiple setup files
- **RVL - 263** Creating a new project from a command line may ignore any additional properties
- **RVL - 264** Missing **Run the setup** button after changing respective settings
- **RVL - 267** Pictures that have been added are not displayed on recent files

RayFlow Client

- **RF - 3156** Client error with datafield named "PackageFile"
- **RF - 3158** Client, package path warning and value not working correctly
- **RF - 3211** Client - Task order: Entries of "Date and time"-typed datafields are wrongly included to order
- **RF - 1490**: File upload of 0 byte file not possible
- **RF - 3250**: (multi)dropdown datafields used as tool arguments are always empty
- **RF - 3254**: Task lock: Deselecting a task unlocks it even though it isn't locked by the user
- **RF - 3261**: Task lock, allow steal/release of locks for administrative users of the same permission level

Migration

RayPack

Upgrading the RayPack Application

General upgrade preparations

RayPack 4.0 Patch 1 is delivered as part of the Packaging Suite Installer. In order to install it safely:

1. Download the Packaging Suite Installer 4.0 Patch 1 from the Raynet resource repositories.
(If you have not already received credentials, please contact the Raynet support team via the [Raynet support portal](#) to get them via the ticket system)
2. Copy all files that need to be kept for later reuse or look-up (such as resources of global external plugins, log, settings and config files, the `*.license` file, the `*.rsl` file, etc.) to a temporary transfer directory outside the Packaging Suite application directory (where they usually reside).
3. *(only if PackBench is installed)* Make a backup of your SQL Server database which is used by the PackBench.
4. Execute the Packaging Suite Installer and work yourself through the setup routine. The installation of RayPack 4.0 Patch 1 using the Packaging Suite Installer is described in the Packaging Suite Installer User Guide.

**Note:**

If upgrading PackBench, ensure that a **running** SQL server is available before starting the migration/installation.

Migration from RayPack / PackBench 4.0

There are no special actions to be taken in order to migrate from the base 4.0 release.

Patch 1 introduces a minor breaking change to the default behavior of the New Run Wizard (PackBench). Previously, by default no empty subfolders for documentation, sources, packaging etc. were created upon the start of a run. It was up to the tools/scripts to create additional content and make use of the predefined structure. Based on feedback from users, we decided to change this behavior. PackBench 4.0 Patch 1 by default creates all subfolders (including empty ones). This new options is by default enabled on all workflows, even those created prior to upgrade. In order to continue using the legacy 4.0 behavior, you have to opt-out from this new default setting, by configuring each workflow and using a new option available in the ADVANCED tab in the Workflow Properties Dialog.

Migration from RayPack / PackBench 2.1

RayPack and PackPoint

It is recommended to install RayPack 4.0 Patch 1 on a clean machine having no previous version of PackPoint. Clean install ensures the newest adjustments and enhancements will be enabled out-of-the-box. If you want to regenerate the PackPoint content from RayPack resources, simply remove the PackPoint folder (C:\RayPack\PackPoint by default) and rerun RayPack 4.0 Patch 1. The User Guide contains further information about command line interface of `RpCmd.exe` tool, which also provides PackPoint management capabilities.

When a previous version of PackPoint is detected during the installation, 4.0 Patch 1 will offer an upgrade option.

Release 4.0 brings certain changes that should be taken into account, as they may change standard routines:

- Pressing **New empty project** in the main menu does not automatically create it anymore - there is now a separate screen with options which has to be accepted before creating a project.
- It is not possible to create an empty project without first saving it to the disk. RayPack requires that you provide a full path to the project before it is even created.
- The default folder opened when you press **Apply changes from templates transform** is not anymore the user profile, but rather the PackPoint folder.
- RayFlow-related command line parameters are deprecated in this release. They will continue to function for compatibility reasons, but will not be supported or developed anymore. You should use the new RayFlow integration features instead.
- Some command line actions are now less restrictive, as some parameters are not mandatory if default values can be determined automatically.
- Templates (RPMST) exported by RayPack 4.0 / 4.0 Patch 1 are not backward compatible, and may not be imported correctly by RayPack 2.1 instances.
- The location of the `RayPackIgnoredResources.rpx` has been changed. Previously the file was located in the root folder. Now it can be found in the `Resources` folder (for example `C:\Program Files (x86)\PackagingSuite\RayPack\Resources\RayPackIgnoredResources.rpx`).

PackBench

In order to migrate from version 2.1 simply start the installation of PackBench, and when prompted select **Use existing database** version. The installation process will then automatically upgrade the database. You have to do it once for each instance to be upgraded. The update is done when needed - repeating the installation will skip updating of a database which is already in up-to-date state.

This release of PackBench brings certain changes you should take into account, as they may change the way you are working with the product:

- This release of PackBench changes the way task tree is edited. Strict mode has been improved to enable editing child tasks even if their parents are not finished yet, and there are some subtle changes you may observe when marking parent tasks as done. Refer to the Product Guide for more information.
- Tool icons are not fetched automatically anymore. Previously, there was no option to define the icon manually

- each time it was extracted from the executable file. This has been changed in the new release, and you should define the icon for each tool separately. The icons are now stored in a database, meaning faster access to pictures and better interoperability.

- This release of PackBench changes the way the folder structure is created for new runs. Previously, default subfolders for documentation, sources, packaging etc. were not created if there was no content to be put there. PackBench 4.0 Patch 1 by default creates all of them (even if they are empty). In order to get the legacy behavior, each workflow has to be adjusted by using a new option available in the ADVANCED tab in the Workflow Properties Dialog.
- Once the database is updated to format 4.0, old 2.x clients connecting to it will not function correctly.

Licensing

If you are migrating from RayPack 2.x or earlier, your existing license data will not be recognized by version 4.0 Patch 1. In order to use RayPack 4.0 Patch 1 you have to reactivate RayPack using the same order number, and the necessary license information will be automatically downloaded from the server. This operation requires that you have a valid maintenance for the product. Contact our support to get help regarding migration and licensing problems.

Migration from older versions

Refer to the Raynet Knowledge Base for information about migration paths from version 1.4 and older.

Troubleshooting

If you experience abnormal symptoms (like program not starting, missing features, etc.) after the upgrade, we highly recommend to perform the clean installation of RayPack / PackBench 4.0 Patch 1. In order to do that, please perform the following steps:

- 1) Locate your product order number. If you can't find it, contact our support.
- 2) Make a backup of your license file (by default installed to `<ProgramData>\Raynet\Licenses\RayPack*.rsl`)
- 3) Uninstall the previous version of RayPack / PackBench
- 4) Delete the content of the installation folder (by default `C:\Program Files (x86)\RayPack,C:\Program Files (x86)\RayPack\PackBench`)
- 5) Install RayPack / PackBench 4.0 Patch 1.
- 6) Start the main application (`raypack.exe` or `packbench.exe` respectively) to re-activate RayPack / PackBench again.

If the issues are not resolved after performing the steps described above, the following steps will revert the profile to the original state:

- 7) Close RayPack / PackBench
- 8) Backup and then remove the content of the following folders:

- Configuration files
 - For RayPack: %AppData%\RayPack
 - For PackBench: %AppData%\RayBench and %ProgramData%\RayBench
- AppData\Local\Raynet
- Optionally, you can also revert the PackPoint to the default state by removing the PackPoint folder (standard installation path is C:\RayPack\PackPoint)
- For PackBench, you may try to install a new database with sample data to see if the problem persists.

9) Start RayPack / PackBench again.

If the procedures given above did not resolve the issue, please contact our support.

RayQC

Upgrading the RayQC Application

General upgrade preparations

RayQC 4.0 Patch 1 is delivered as part of the Packaging Suite Installer. In order to install it safely:

1. Download the Packaging Suite Installer 4.0 Patch 1 from the Raynet resource repositories. (If you have not already received credentials, please contact the Raynet support team via the [Raynet support portal](#) to get them via the ticket system)
2. Copy all files that need to be kept for later reuse or look-up (such as resources of global external plugins, log, settings and config files, the *.license file, the *.rsl file, etc.) to a temporary transfer directory outside the Packaging Suite application directory (where they usually reside).
3. Make a backup of your SQL Server database which is used by the RayQC Advanced Module.
4. Execute the Packaging Suite Installer and work yourself through the setup routine. The installation of RayQC 4.0 Patch 1 using the Packaging Suite Installer is described in the Packaging Suite Installer User Guide.



Note:

If upgrading RayQC Advanced, ensure that a **running** SQL server is available before starting the migration/installation.

If an older version than RayQC 2.1 is installed on the target machine

If an older version than RayQC 2.1 is already installed on the target machine there are two different ways to migrate to the new RayQC 4.0 Patch 1.

- Install RayQC 4.0 Patch 1 and keep the installation of RayQC 1.5 or Packaging Suite 2.0. They will remain untouched by the installation of RayQC 4.0 Patch 1.

General upgrade preparations

RayQC 2. is delivered as an MSI software package. In order to install it safely:

1. Download the MSI package for RayQC 2.1 from the Raynet resource repositories.
(If you have not already received credentials, please contact the Raynet support team via support@raynet.de to get them via email)
2. Copy all files that need to be kept for later reuse or look-up (such as resources of global external plugins, log, settings and config files, the *.license file, etc.) to a temporary transfer directory outside the RayQC application directory (where they usually reside).
3. Remove the old RayQC installation manually.
4. Execute the RayQC 4.0 Patch 1 MSI package and work yourself through the setup routine. The installation of RayQC 4.0 Patch 1 is described in the RayQC 4.0 Patch 1 Installation Guide.

Adjusting the newly installed RayQC instance

1. Launch RayQC.
2. Define config files and settings according to the old system state.
3. Test the new settings and configurations by creating and evaluating checklists, communicating with RayFlow, reviewing log files, etc.
4. If there are issues regarding broken or missing functionality, please feel free to contact the Raynet support team via support@raynet.de.

RayUpdater

During the migration, if database changes are necessary, these will be done automatically. While executing the setup routine, RayUpdater, the tool used for a safe migration of the data, will be launched automatically and perform all necessary steps without the necessity of any user input.

Upgrading RayQC Files

The file formats RQCT and RQCP Raynet introduced in RayQC 1.5 and have been massively reworked to match the needs of the modernized application logic. Therefore, it is not possible to simply re-use templates and projects that have been generated with RayQC 1.5 in the current version 4.0 Patch 1.

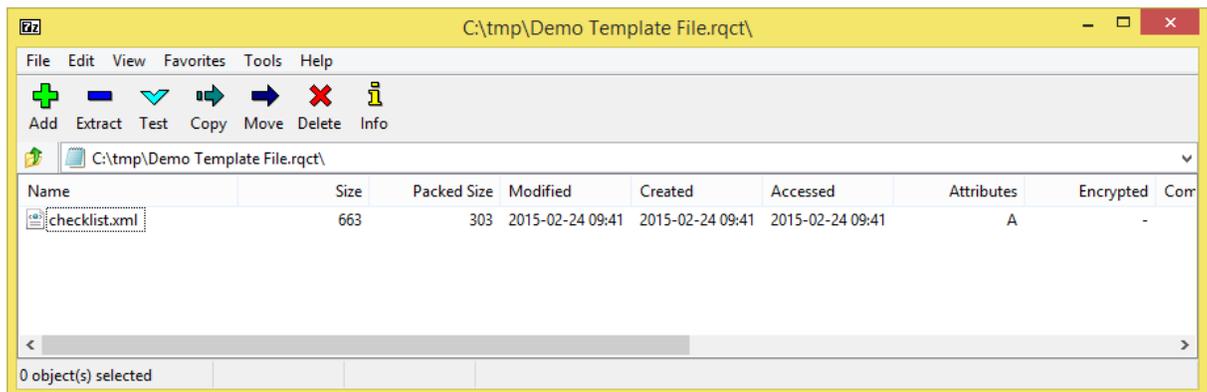
The RQCT files used in RayQC 4.0 Patch 1 are no longer XML structures, but ZIP containers that contain the XML checklist file (`checklist.xml`) as well as all other resources required to run the checklist on RayQC: plugins, help files, images, etc. are stored within dedicated directories wrapped in the ZIP container.

Additional files that represent the current project status of a checklist evaluation (`state.xml`), post-processing settings and signature information, are added when a template is saved as project file RQCP.

Knowing about these changes makes it quite obvious that there must be some manual steps in any kind of checklist transition from version 1.5 to 4.0 Patch 1. Once this is done, the following standard procedure is a valid option for their transition to 4.0 Patch 1:

To transfer a RayQC 1.5 RQCT to the current 4.0 Patch 1 format, users have to run the following procedure:

1. Copy the original RQCT file to a temporary working directory.
2. Change the file
 - a. name to `checklist`
 - b. extension from `.rqct` to `.xml`
3. Create a new ZIP that contains the `checklist.xml` file. Name the ZIP container according to the old checklist file name, and set the file extension to RQCT.
4. The result of steps 1-4 has to be a zip container with the file extension `*.rqct`, that contains a `checklist.xml` file with the original checklist structure.



5. Open this file in RayQC 4.0 Patch 1.
6. It is most likely, that the validation procedure run during checklist loading states issues with the XML source structure. In this case, a dialog is displayed, revealing details about invalid areas with a click on the more button.

Open the `checklist.xml` file from within the RQCT container, and correct all mentioned issues to establish an XML file that is valid according to the `ChecklistSchema.xsd` demanded by RayQC 4.0 Patch 1.

7. Save the changes to the `checklist.xml` file, and re-try to open the RQCT container with RayQC.
8. Repeat steps 6 & 7 until the checklist is successfully validated and opened by the application.

Once this level is achieved, all upcoming changes may be executed directly within the checklist editor. Please refer to the User Guide section about editing checklist templates for further instructions.



Be aware:

Checklists with extended plugin and condition usage may be quite difficult to upgrade manually, since both parts of the system logic have undergone revolutionary changes during the development of RayQC 4.0 Patch 1. Therefore, these checklists are recommended to be re-created from scratch.

Also be aware:

There is no direct upgrade path for RayQC projects from product versions prior to 1.5.

Please contact your RayQC service consultant, or the Raynet support team to get information about possible forms of assistance for any required upgrading measures.

Wrong term used in the log.config file [RTS-1557]

With the release of RayQC 4.0 a wrong term that previously was used in the `log.config` file has been replaced. From the 4.0 release onwards the term `RayQCAdvanced` will be used in the `log.config` file.

RayEval

Upgrading the RayEval Application

General upgrade preparations

RayEval 4.0 Patch 1 is delivered as an MSI software package. In order to install it safely:

1. Download the MSI package for RayEval 4.0 Patch 1 from the Raynet resource repositories. (If you have not already received credentials, please contact the Raynet support team via support@raynet.de to get them via email)
2. Copy all files that need to be kept for later reuse or look-up to a temporary transfer directory outside the RayEval application directory (where they usually reside). This is important for all files that have been customized like the project configuration file (`Projectconfiguration.xml`), the export plugins configuration file (`PluginTemplates.xml`), and the folder which contains all the template documents (`<INSTALLDIR>\Plugins\Templates\`).
3. Execute the RayEval 4.0 Patch 1 MSI package and work yourself through the setup routine. The installation of RayEval 4.0 Patch 1 is described in the RayEval 4.0 Patch 1 User Guide.
4. After the installation has been finished, copy the files that have been backed-up to their previous locations.

RayFlow

Upgrading the RayFlow Application

General upgrade preparations

RayFlow 4.0 Patch 1 is delivered as an MSI software package. In order to install it safely:

1. Download the MSI package for RayFlow 4.0 Patch 1 from the Raynet resource repositories. (If you have not already received credentials, please contact the Raynet support team via support@raynet.de to get them via email)
2. Copy all files that need to be kept for later reuse or look-up (such as `RayFlow.exe.config` for proxy settings, `dashboard.xml`)

3. Execute the RayFlow 4.0 Patch 1 MSI package and work yourself through the setup routine.

Adjusting the newly installed RayFlow instance

1. Define config files and settings according to the old system state.
2. Launch RayFlow.
3. If there are issues regarding broken or missing functionality, please feel free to contact the Raynet support team via support@raynet.de.

Additional Information

Visit www.raynet.de for further information regarding the product and current community incentives. It's also recommended taking a look at additional resources available at the Knowledge Base for Raynet products: <https://raynetgmbh.zendesk.com/hc/en-us>.

Raynet is looking forward to receiving your feedback from your Packaging Suite experience. Please contact your Raynet service partner or write an e-mail to sales@raynet.de to add your ideas or requirements to the Packaging Suite development roadmap!

Our Raynet support team gladly assists you on any question or issue you encounter regarding Packaging Suite. Feel free to sign in and open incidents via our [Raynet Support Panel](#).

Packaging Suite 4.0

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