raynet

User Guide

Packaging Suite **4.0**

Enterprise Software Packaging

Application Readiness > Evaluierung >
Paketierung und Virtualisierung > Qualitätssicherung

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User Guide

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Introduction

Packaging Suite Installer (PSI) is a tool to install and maintain the bundle of Raynet applications which is called Packaging Suite. This bundle consists of the following applications from the RaySuite family:

- RayPack
- PackBench
- RayQC
- RayQC Advanced
- RayEval
- RayFlow Client

The Packaging Suite Installer is a .NET application that allows to perform the following operations:

- Installation
- Upgrade
- Change or repair
- Uninstallation

Note:
`PackagingSuiteInstaller.exe` requires **administrative privileges** and is delivered as a standalone executable without any satellite assemblies.

Requirements

Supported OS

- Windows 10 x64 (up to build 10586)
- Windows 10 (up to build 10586)
- Windows 8.1 x64
- Windows 8.1
- Windows Server 2012 R2
- Windows 8 x64
- Windows 8
- Windows Server 2012
- Windows 7 x64
- Windows 7
- Windows Server 2008 SP1
- Windows Server 2008 R2
- Windows Vista SP1 x64
- Windows Vista SP1
- Windows Vista x64
- Windows Vista
- Windows XP Professional SP3 x64
- Windows XP Professional SP3
- Windows Server 2003 SP1

Prerequisite Software

- .NET 4.0 FULL (32- or 64-bit)

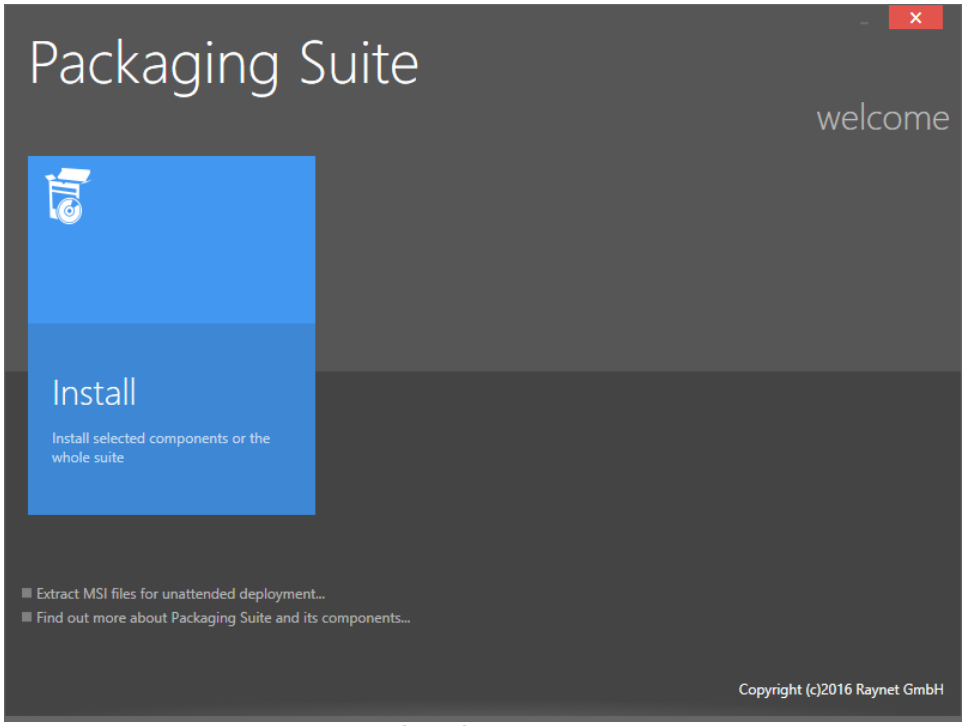
Note:

Prerequisite Software depends on the components that will be installed using the Packaging Suite Installer. Please refer to the User Guide of each application that is about to be installed to get more information.

Installation

Welcome Page

To install any product from the Packaging Suite bundle, start the Packaging Suite Installer and click on the **Install** button.



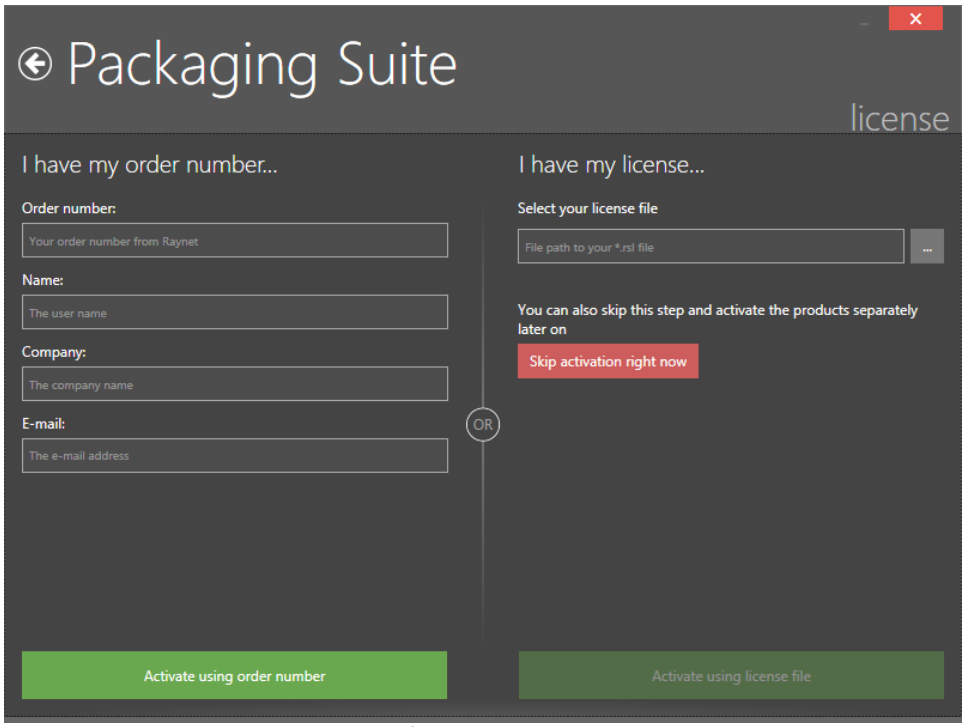
The Welcome Page

Note:

The **Install** option is only available if no application from the Packaging Suite family is installed on the machine. If at least one application is already installed, use the ***Upgrade*** or the ***Change or repair*** option.

License Page

After the Install option has been selected, the license page will open. On this screen, users can activate the Packaging Suite application(s) by using their order number or by using an `.rsl` license file. It is also possible to skip license activation and activate the applications later on by clicking on the **Skip activation right now** button.



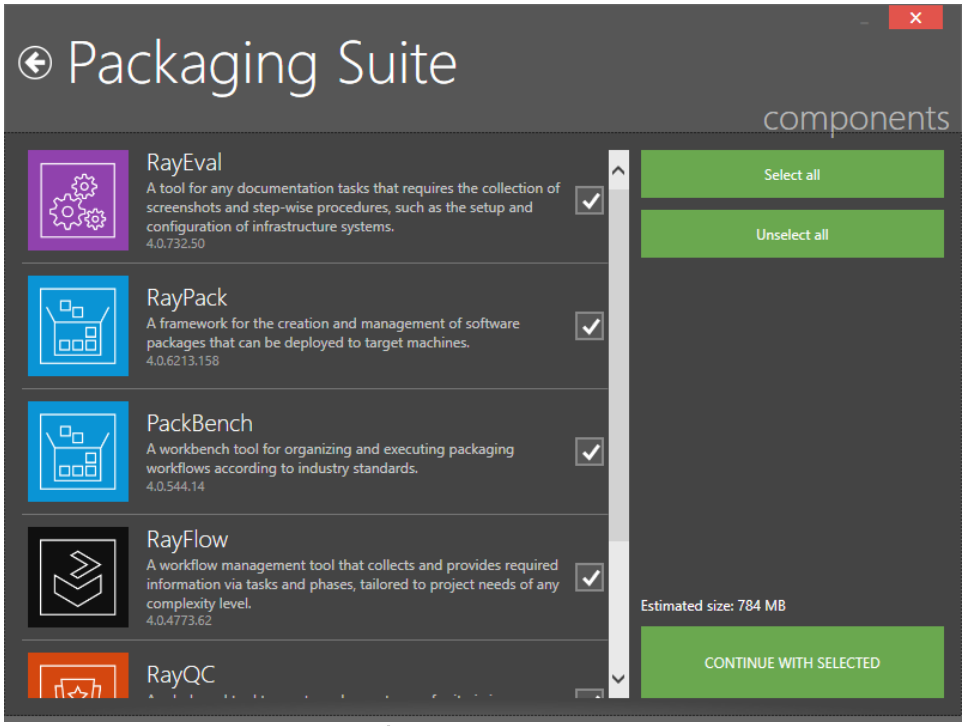
The License Page

When activating the applications with an order number, the following fields are mandatory: **Order number**, **Name**, **Company**, **E-mail**.

When activating the applications with a pregenerated license file, the path to the `.rsl` file location is required. To browse to the license file, click on the browse button [**...**].

Components Page

After the license activation has been completed, users continue with the components page.

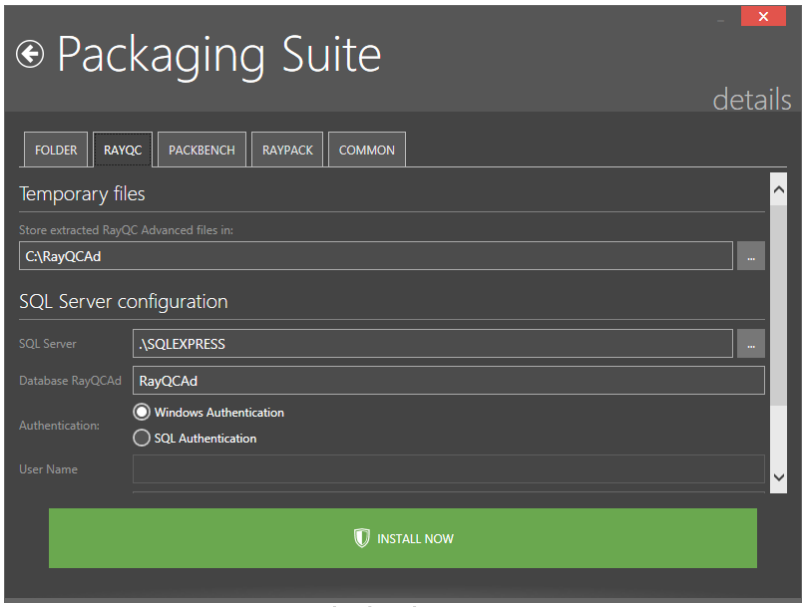


The Components Page

On the components page, all available applications are listed. Users can select the products for installation by checking the checkbox next to the product name. After an application has been selected, the estimated size grows and represents an estimation of the disk space that is required for the installation. To continue to the next page, users need to click on the **CONTINUE WITH SELECTED** button.

Details Page

This page contains the different settings that are required for the installation of the different components of the Packaging Suite. The view depends on the components that have been selected on the previous page. The settings are grouped in different tabs. The tabs shown on this page represent the destination folder, the products, and the common settings.



The details page

There will always be the **FOLDER** tab and the **COMMON** tab. Furthermore, each product that has been selected in the previous step will have its own tab.

Some fields are filled with default values, but some require input from the user. If a tab requires input from the user, it will display the ⚠ icon. This means that the user will need to open the tab and then search for the mandatory elements. Mandatory elements are highlighted with a red border, for example:

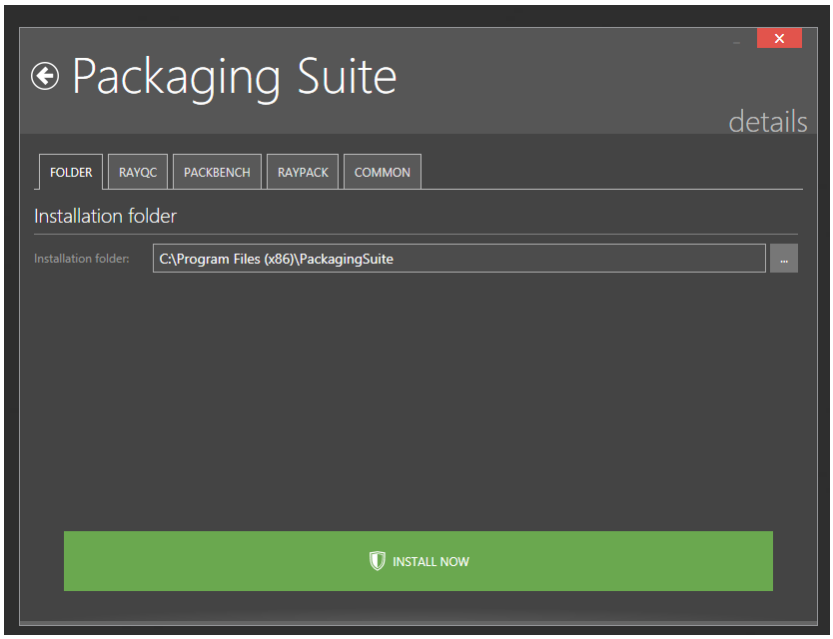
Example of a mandatory element

In the case shown in the picture above, the user needs to specify the SQL server location and instance. It can be typed in manually or by using the browse button [**...**].

Once the configuration has been finished, click on the **INSTALL NOW** button to start the installation process.

Folder Tab

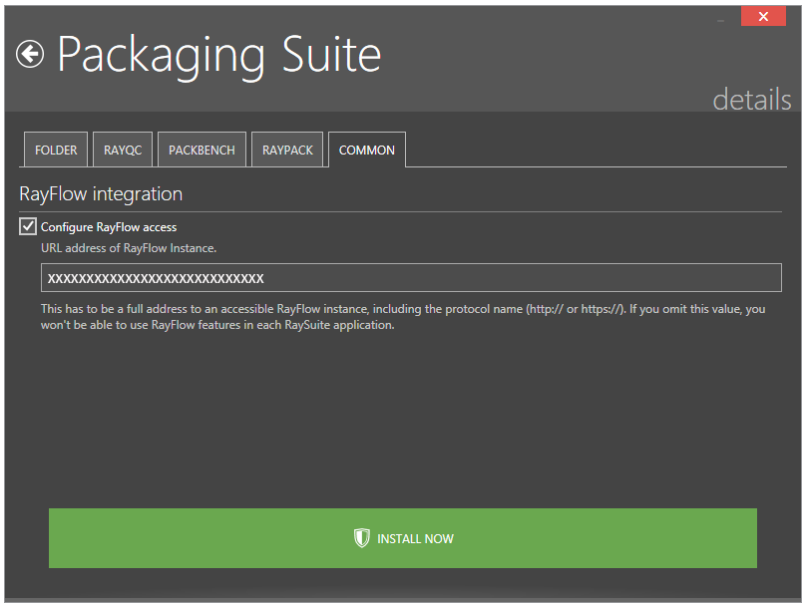
In the **FOLDER** Tab the Installation Folder for all products of the Packaging Suite is defined.



By default, the folder is `C:\Program Files (x86)\PackagingSuite`. Select a folder by either typing in the path to a folder or by clicking on the browse button [**...**] and selecting the target folder.

Common Tab

In the **COMMON** tab the RayFlow connection needs to be configured.

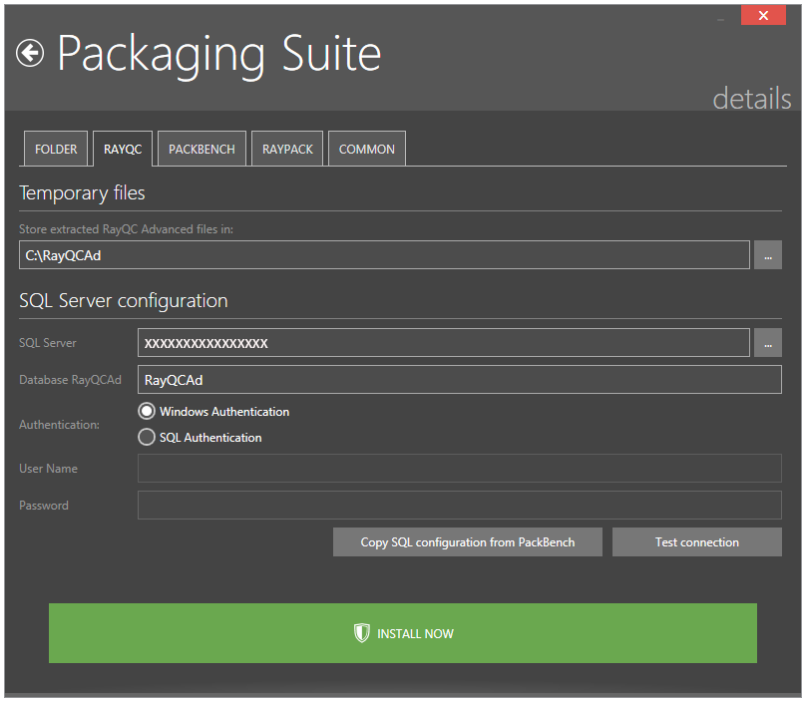


Select the **Configure RayFlow access** checkbox to configure a RayFlow connection for all products during the installation. The URL of a accessible RayFlow instance needs to be entered in the field.

Note:
If the RayFlow integration has not been setup during the installation (in this step), it is not possible to configure a RayFlow connection for PackBench. The RayFlow configuration tab in PackBench is read-only.

RayQC Tab

In the **RAYQC** tab the settings necessary to install RayQC are configured. These settings are comprised of the folder which is used by RayQC Advanced to extract files and the SQL server connection which is needed by RayQC Advanced.



Temporary files

The directory in which RayQC Advanced is storing its temporary files is configured here. Either keep the default folder or change the folder by using the browse button [**...**] and select the target folder. By default, the folder configured is `C:\RayQCAd`.

SQL Server configuration

- **SQL Server**: The SQL server needs to be defined. Please specify the server together with the instance (if an instance is required). The server can be specified by its name or by its IP address. The SQL server must exist and must have a user which can create a database and has read and write access to the newly created database. Click on the browse button [**...**] to select the instance by browsing to the target instance. In order to provide an instance name, separate it from the server name by using a backslash (\) character.
- **Database RayQCAd**: The name of the database used by RayQC Advanced is defined here.
- **Authentication**: The authentication method which is used by RayQC Advanced is defined here. There are two options available:
  - **Windows Authentication**: If this is chosen, the Windows authentication of the current user will be used for the login.
  - **SQL Authentication**: If this is chosen, enter a user name into the **User Name** field and a password into the **Password** field.

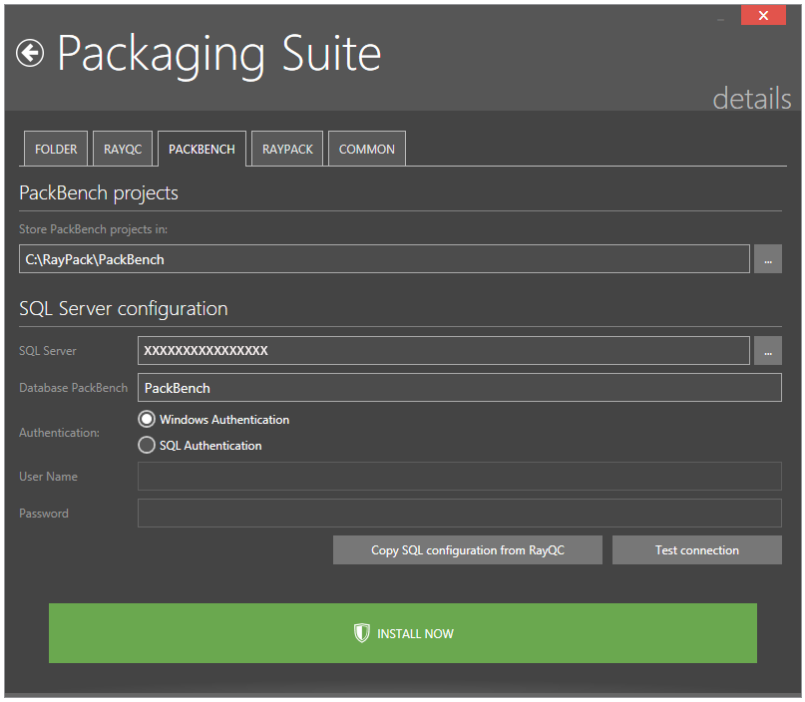
There are also two buttons available which can be used to configure the connection and ensure that the connection is working.

- **Copy SQL configuration from PackBench**: This button can be used to copy the SQL configuration given in the **PACKBENCH** tab.
- **Test connection**: This button can be used to verify that the configured connection to the SQL server is working.

For more information on RayQC and RayQC Advanced refer to the *RayQC User Guide* and the *RayQC Installation Guide*.

PackBench Tab

In the **PACKBENCH** tab the settings necessary to install PackBench are configured. These settings are comprised of the folder which is used by PackBench to store projects and the SQL server connection which PackBench needs.



PackBench projects

The directory in which PackBench projects are stored is configured here. Either keep the default folder or change the folder by using the browse button [...] and select the target folder. By default, the directory configured is `C:\RayPack\PackBench`.

SQL Server configuration

- **SQL Server**: The SQL server needs to be defined. Please specify the server together with the instance (if an instance is required). The server can be specified by its name or by its IP address. The SQL server must exist and must have a user which can create a database and has read and write access to the newly created database. Click on the browse button [...] to select the instance by browsing to the target instance. In order to provide an instance name, separate it from the server name by using a backslash (\) character.
- **Database PackBench**: The name of the database used by PackBench is defined here.
- **Authentication**: The authentication method which is used by PackBench is defined here. There are two options available:
  - **Windows Authentication**: If this is chosen, the Windows authentication of the current user will be used for the login.
  - **SQL Authentication**: If this is chosen, enter a user name into the **User Name** field and a password into the **Password** field.

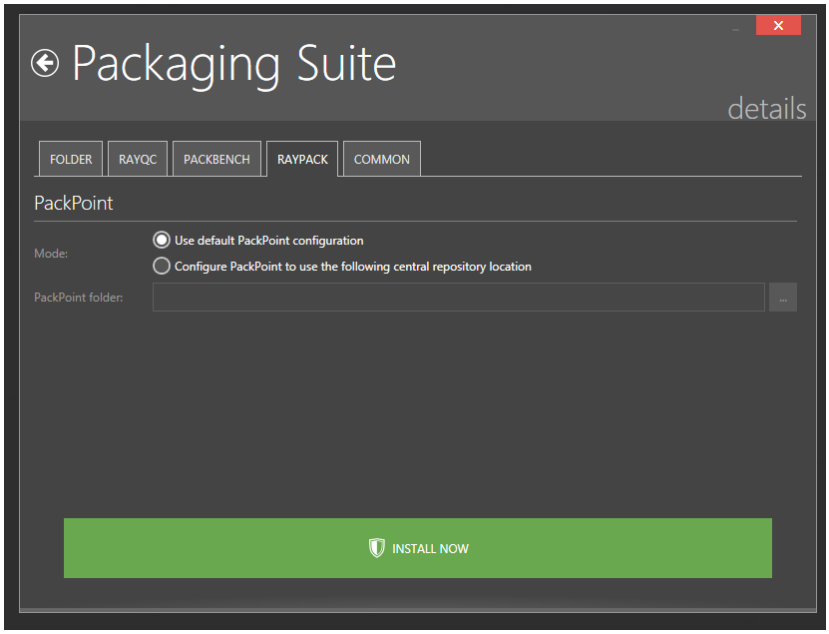
There are also two buttons available which can be used to configure the connection and ensure that the connection is working.

- **Copy SQL configuration from RayQC**: This button can be used to copy the SQL configuration given in the **RAYQC** tab.
- **Test connection**: This button can be used to verify that the configured connection to the SQL server is working.

For more information on PackBench refer to the *PackBench User Guide*.

RayPack Tab

In the RAYPACK tab, PackPoint can be configured. Using PackPoint is optional and RayPack is fully operational without this central repository for enterprise settings and configuration resources. However, using PackPoint is recommended for packaging factories and team oriented packaging processes. It helps to perserve customizations beyond product upgrades and the lifetime of local instance installations.

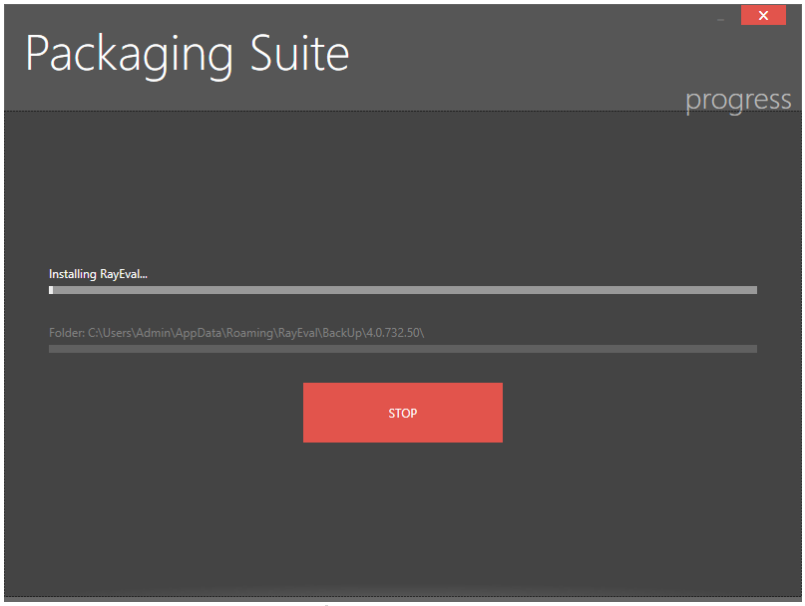


To configure PackPoint activate the radio option **Configure PackPoint to use the following central repository location**. Choose the PackPoint destination folder by clicking on the browse button [**...**] to select the target directory.

For more information on PackPoint refer to the *RayPack User Guide* and to the following KnowledgeBase article: RPK200140: PackPoint and its Installation and Configuration.

Progress Page

On the progress page the current progress of the installation process is represented by two progress bars.



The progress page

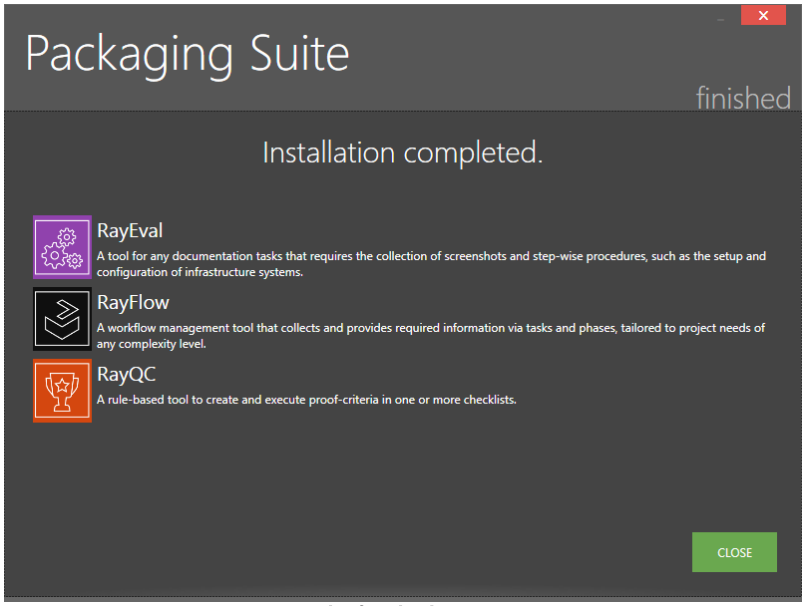
The progress bar on the top represents the progress of the overall installation while the progress bar on the bottom represents the progress of the installation for the application that is currently being installed. The same is valid for the installation messages.

Note:

The **STOP** button stops the installation process. The product which is currently being installed and all the following products will not be installed on the machine. All applications that have already been installed successfully during this run will stay on the machine.

Finished Page

Once the installation has been completed, the finished page with the installation results will appear.

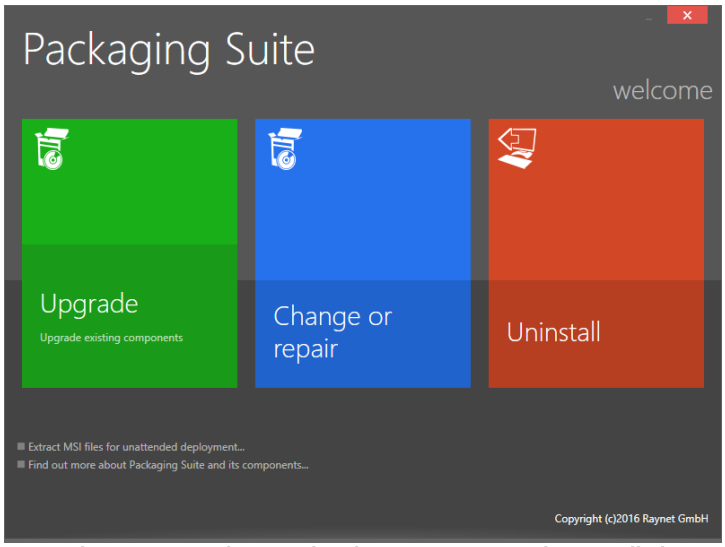


The finished page

The applications that have been successfully installed will appear in a bullet list. After clicking on an application from the list, the application will be started.

Upgrade

The option **Upgrade** appears only if there is at least one product installed in an earlier version then the version attached to the Packaging Suite Installer.

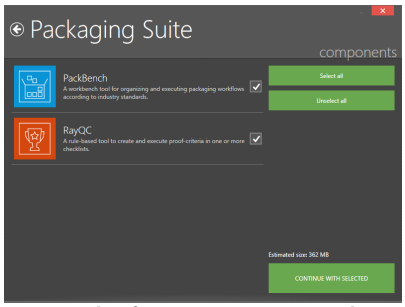


Welcome page with Upgrade, Change or repair, and Uninstall tile

After clicking on the **Upgrade** tile, the user is redirected to the license page. All the steps that are following are similar to the steps in the *Installation* chapter.

Note:

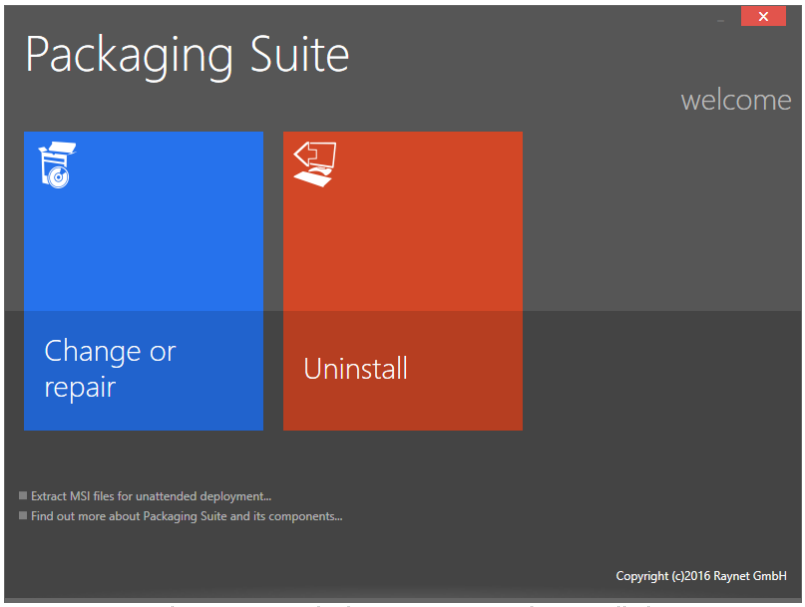
The Components page will display only those products which are already installed on the machine and which do not have the current version.



Example of components page in the Upgrade mode

Change or Repair

The Change or repair option is only visible if there is at least one product which is part of the Packaging Suite is installed on the machine.



Welcome page with Change or repair and Uninstall tile

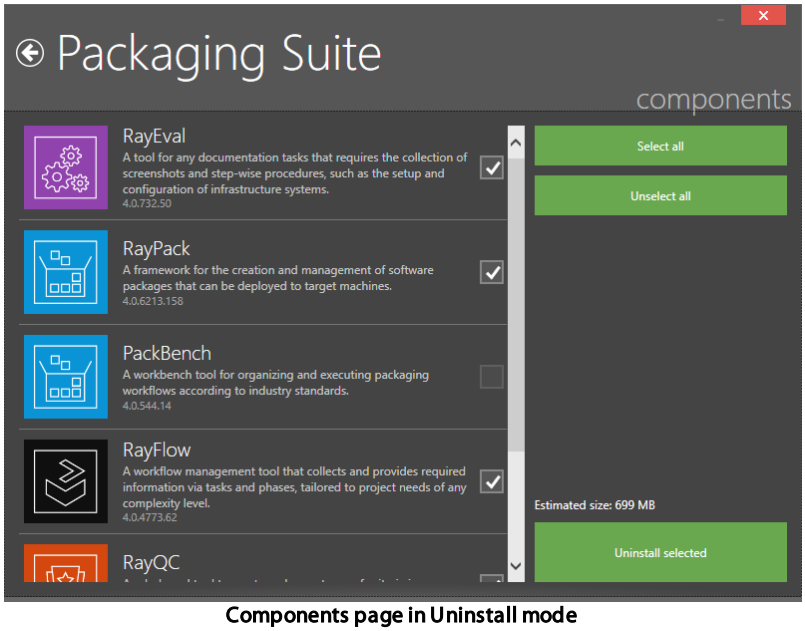
After clicking on the Change or repair tile, all of the following steps are similar to those described in the *Installation* chapter.

Note:

In the components screen in the **Change or repair** mode, all of the applications available in the Packaging Suite Installer are listed and the products that are installed on the selected machine are selected by default. A checked checkbox means that the **Change or repair** action will be performed on this application, regardless of the products version.

Uninstallation

The **Uninstall** mode is only available if an application from the Packaging Suite family is already installed on the machine. The uninstallation configuration contains only the components screen. Select the application to uninstall. Products that are not installed are listed on this list, but cannot be selected.



Components page in Uninstall mode

After clicking on the **Uninstall selected** button the user is redirected to the progress page and the uninstallation process begins. As soon as the uninstallation has been completed, the finish page containing a summary of the actions that have been performed is shown.

Command Line

In the `PackagingSuiteInstaller.exe` executable the command line interface is supported. The following parameters are supported.

Switch	Description	Example
/h	Displays the help which is describing all available switches.	`PackagingSuiteInstaller.exe /h`
/i	Installs a product on the machine.	`PackagingSuiteInstaller.exe /i /p RayEval`
/x	Uninstalls a product from the machine	`PackagingSuiteInstaller.exe /x /p RayEval`
/p	Is used to select a product for an installation/uninstallation. Mandatory for /x and /i	`PackagingSuiteInstaller.exe /i /p RayEval;RayQC`
/q	Silent installation with default settings.	`PackagingSuiteInstaller.exe /i /p RayEval /q`
/f	Path to the INI file with the setup configuration	`PackagingSuiteInstaller.exe /i /p RayEval /f uiconfig.ini /q`

User Configuration

All settings that are entered on the details page are saved in an INI file which can be found under `%appdata%\Raynet\PackagingSuite\uiconfig.ini`. This file is used to restore the configuration on the next run of the Packaging Suite Installer. Additionally, this file can be used for unattended installations using the `/f` switch in the Packaging Suite Installer command line interface.

The `uiconfig.ini` file needs to begin with the `[uiconfig]` section. All parameters that can appear in this section are described in the following table:

Parameter	Type	Description
InstallationFolder	String	Installation folder, for example `C:\Program Files (x86)\PackagingSuite`.
WindowsAuthenticationRayBench	Boolean	When set to `True`, a Windows authentication will be used for the communication with the SQL server in PackBench.
SqlAuthenticationRayBench	Boolean	When set to `True`, a SQL authentication will be used for the communication with the SQL server in PackBench.
DoNotConfigurePackPoint	Boolean	When set to `True`, the configuration of PackPoint during the RayPack installation will be enabled.
ConfigurePackPoint	Boolean	When set to `True`, the configuration of PackPoint during the RayPack installation will be disabled.
PackBenchProjectFolder	String	The location where the PackBench projects are stored.
PackPointFolder	String	The PackPoint folder location, for example `C:\RayPack\PackPoint`.
SQLServerRayBench	String	The SQL server name and instance in PackBench, for example `.\SQLEXPRESS`.
UserNameRayBench	String	The SQL user name in PackBench.
PasswordRayBench	String	The SQL user password in PackBench. THIS PROPERTY IS ENCRYPTED!
DatabaseRayBench	String	The SQL database name in PackBench.
ExtractionFolder	String	The extraction folder in RayQC Advanced, for example `C:\RayQCAd`.
SQLServer	String	The SQL server name and instance in RayQC Advanced, for example `.\SQLEXPRESS`.

Parameter	Type	Description
UserName	String	The SQL user name in RayQC Advanced.
Password	String	The SQL user password in RayQC Advanced. THIS PROPERTY IS ENCRYPTED!
DatabaseRayQCAd	String	The SQL database name in RayQC Advanced.
WindowsAuthentication	Boolean	When set to `True`, a Windows authentication will be used for the the communication with the SQL server in RayQC Advanced.
SqlAuthentication	Boolean	When set to `True`, a SQL authentication will be used for the the communication with the SQL server in RayQC Advanced.
ConfigureRayFlowAccess	Boolean	When set to `True`, an URL address to the RayFlow server will be set in each application. This is a common setting for all Packaging Suite applications.
RayFlowUrl	String	The URL address of the RayFlow server. It needs to start with either http:// or https://.
RayBenchUpdateExistingDatabase	Boolean	**Option is set automatically. Not available for the user.**
RayQCAdRequiresSQL	Boolean	**Option is set automatically. Not available for the user.**
PackBenchSetupTypeClient	Boolean	**Option is set automatically. Not available for the user.**
PackBenchSetupTypeServer	Boolean	**Option is set automatically. Not available for the user.**
PackBenchSetupTypeStandalone	Boolean	**Option is set automatically. Not available for the user.**
RayBenchRequiresSQL	Boolean	**Option is set automatically. Not available for the user.**
RayBenchDatabaseWithSampleDate	Boolean	**Option is set automatically. Not available for the user.**
RayBenchBlankDatabase	Boolean	**Option is set automatically. Not available for the user.**
RayBenchUseExistingDatabase	Boolean	**Option is set automatically. Not available for the user.**

Below there is an example of an `uiconfig.ini` file.

```
[uiconfig]
PackBenchSetupTypeClient = False
PackBenchSetupTypeServer = False
PackBenchSetupTypeStandalone = True
RayQCAdRequiresSQL = False
RayBenchRequiresSQL = False
InstallationFolder = C:\Program Files (x86\PackagingSuite
ExtractionFolder = C:\RayQCAd
SQLServer = .\SQLEXPRESS
DatabaseRayQCAd = RayQCAdDb
WindowsAuthentication = True
SQLAuthentication = False
WindowsAuthenticationRayBench = True
SqlAuthentication = False
WindowsAuthenticationRayBench = True
SqlAuthenticationRayBench = False
DoNotConfigurePackPoint = True
ConfigurePackPoint = False
PackBenchProjectFolder = C:\RayPack\PackBench
ConfigureRayFlowAccess = False
RayFlowUrl = http://example.com/rayflow
RayBenchDatabaseWithSampleData = True
RayBenchBlankDatabase = False
RayBenchUseExistingDatabase = False
RayBenchUpdateExistingDatabase = True
SQLServerRayBench = .\SQLEXPRESS
DatabaseRayBench = PackBenchDb
```

Troubleshooting

Log files are stored under `%appdata%\Raynet\PackagingSuite\`. Each run creates at least one new log file. There might be more files created per run depending on the installation process and the installed applications.

Known Issues

Uninstalling any module from the RayQC family (Checklist or Advanced) is causing the uninstallation of the full RayQC application.

Help & Support

Request Packaging Suite Installer support

Our Raynet support team gladly assists you on any question or issue you encounter regarding Packaging Suite Installer. Feel free to sign in and open incidents via our Raynet support panel, please open an incident using the Raynet Support Panel.

Join the RaySuite community

The RaySuite community resides within our Knowledge Base: https://raynet.de/Support/. Once you have signed up for access to the Raynet support panel, you automatically have access to the Knowledge Base, too. You will surely come to a point where you would love to suggest a new feature for the future development of Packaging Suite Installer. Maybe you need to find some tips & tricks to hit your target right. the RaySuite community is your place for discussing such topics, for sharing and expanding your own experience.

Contact your Raynet sales representative

Our sales team is the right contact for any license or edition question you might encounter. Would you like to benefit from a professional Packaging Suite Installer training? Ask for dates and locations to find the right training to meet your needs. You are highly welcome to step in contact via sales@raynet.de.

Packaging Suite **4.0**

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