



•rayNET



RayFlow®

Release Notes RayFlow 2.0

18.08.2015

Release Notes RayFlow



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Release Notes RayFlow RayFlow 2.0

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Introduction

RayFlow 2.0 is the next iteration of Raynet's workflow process management tool with the ability to support diverse workflow processes. The possibility to be customized at the level of user's needs and requirements makes it one of the most efficient and user friendly workflow management tools.

RayFlow is based on the client-server architecture in which all the information, data, and configuration is stored on the RayFlow server and users work on this server remotely through the RayFlow web and Windows based clients.

With this release of RayFlow, the UI has been upgraded completely to enhance the usability. Furthermore, with the commitment to continuously improve the quality of our products, specific issues related to various functionalities have been resolved and certain functionalities have been modified.

What's new in RayFlow 2.0?

Improvements and enhancements

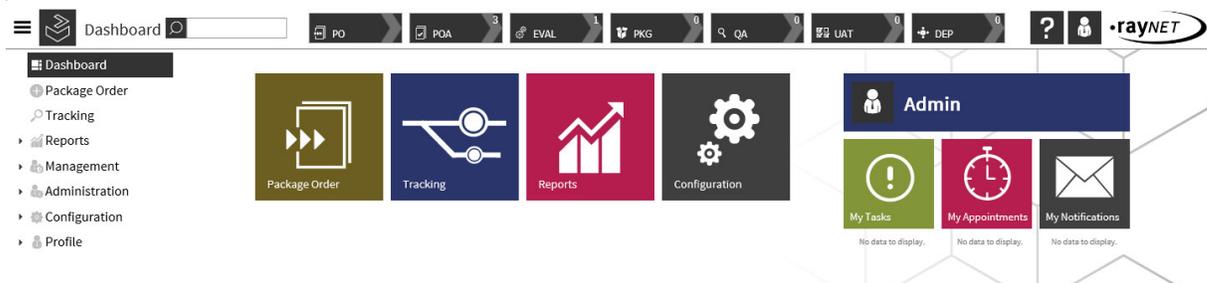
Completely new User Interface

The new UI was designed to enhance the usability. In previous RayFlow versions, for example, modifying a phase was done by going through a lot of different steps which made it quite complicated. The UI was changed to enhance usability and, by maintaining a style inspired by the flat Windows 8 tiles, showing a more modern and streamlined desktop.



Note:

Since RayFlow 2.0 has changed completely compared to RayFlow 1.11, these release notes show a small selection of the changes. For more details please read the RayFlow Web User and Administration Guide.

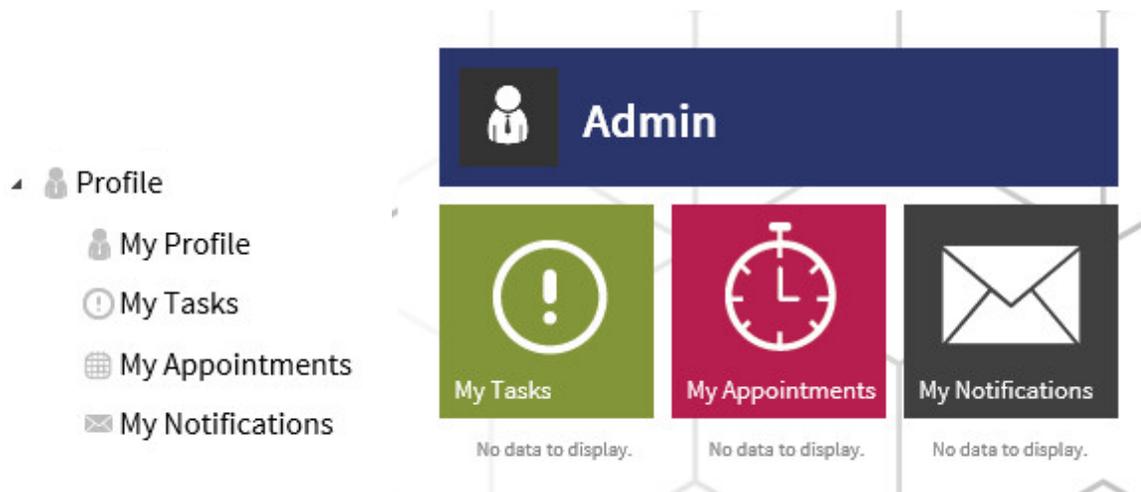


The UI can be separated into three major sections:

1. Top of the screen: From left to right the user can see the show/hide sidebar menu-button, return to dashboard-button, location name, global search field, phase navigation, online help, logout-button, company logo / change project-button.
2. Left side of the screen: The user can see the sidebar navigation menu. Users with appropriate rights will be able to configure and maintain RayFlow via "Management", "Administration" and "Configuration".
3. Middle of the screen: This is the main window. On the dashboard the user can see tiles to quickly navigate to a certain phase or function. Next to the tiles is the user profile area. If a user has any tasks, appointments, or notifications, he can see them underneath the corresponding tiles.

New My Profile section

The user can now access his profile either by expanding the "Profile" menu item in the navigation menu on the left side of the screen and select "My Profile" or by clicking on his user name in the main window.



On the profile page the user can change his information (name, e-mail, company) and, if necessary, he can also change the password.

In addition, the user can see all the tasks, appointments, or notifications that are linked to his profile. Beneath the corresponding tiles, the user can see more tiles with quick information about tasks, appointments, or notifications. The user can click on one of those tiles to immediately get to the selected information.

New Configuration UI

Via the sidebar a user with the appropriate rights can access and modify different kinds of settings in RayFlow. The settings are divided into three major areas:

1. Management
2. Administration
3. Configuration

The configuration section can also be opened by clicking on the "Configuration" tile on the dashboard.

The UI has been changed in RayFlow 2.0 in order to make user and project configuration or creation of projects, phases, and datafields as easy as possible.

Management / SLA Editor

Management

SLA Editor

The Management section provides the user with the possibility to create or modify different SLA options.

SLAs

NAME	DESCRIPTION	ALERT
HIGH		
LOW		
MEDIUM		

+ ✎ 📄 -
 Show disabled SLAs

Configuration

COUNTING SETTINGS | EVENTS

PHASE NAME	MODE	START DATE	END DATE	DAYS
PO	Select mode...			
POA	Project			10
EVAL	Project			10
PKG	Project			10
QA	Project			10
UAT	Project			10
DEP	Workday			30

✓ ✕

The user can easily create new SLAs by clicking on the + icon. To edit or copy a SLA the icons ✎ (edit) and 📄 (copy) are used. To delete a SLA click on -

Under the configuration settings the user can set events based on which the SLA calculator will calculate the SLA for a task.

Administration

Administration

Users

Groups

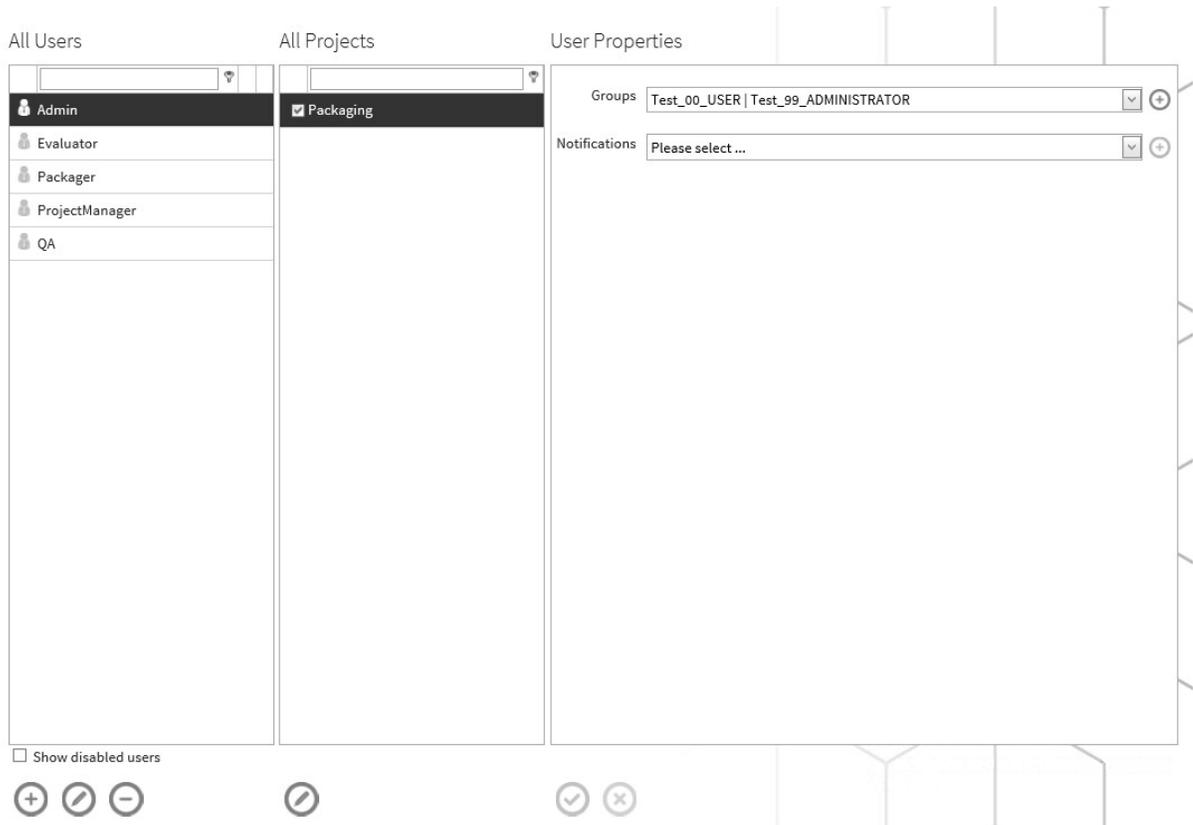
Notifications

Projects

In the Administration section users, groups, notifications, and projects are created or edited. Users can be assigned to groups, notifications to users and/or groups, and project properties can be edited.

In the User section users can be added, edited, or deleted. In addition, users can be added to projects by

selecting the project from the list. Finally groups and notifications can be added to a user.



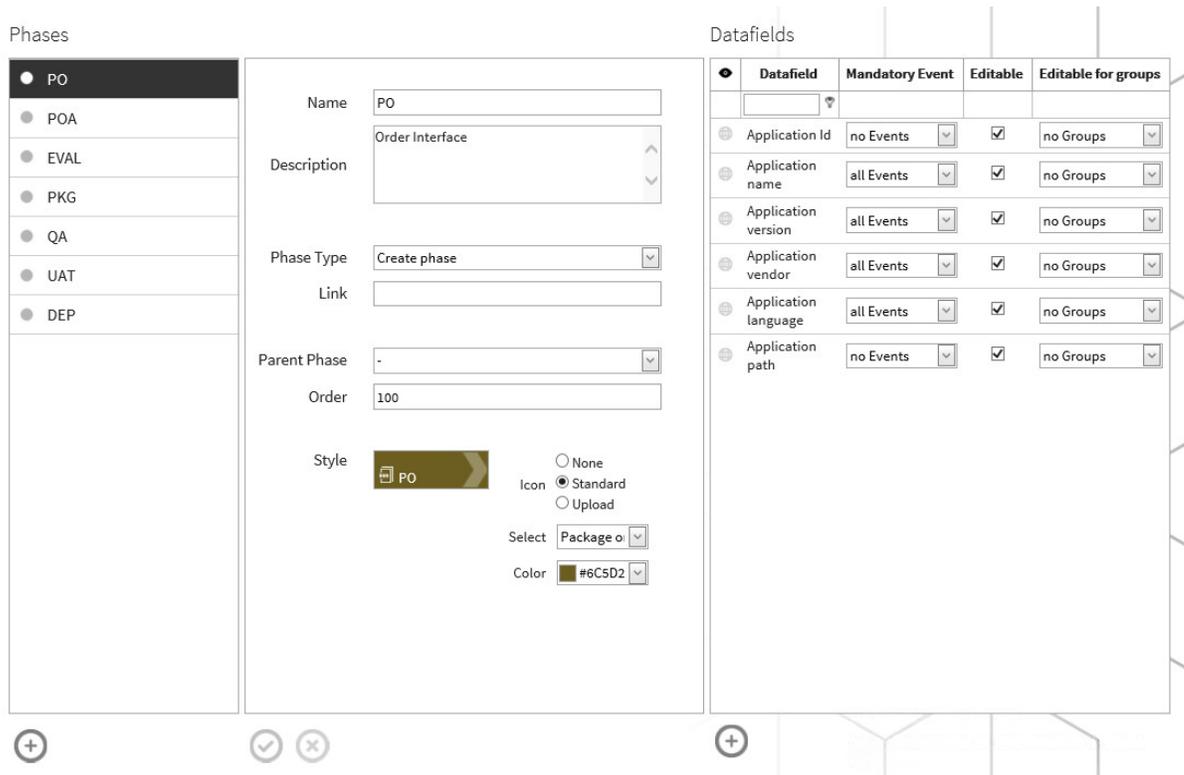
Configuration

- ⚙ Configuration
 - ▶ Phases
 - Datafields
 - ⦿ Status
 - » Workflow
 - ✖ Basic
 - 👤 Category
 - 📄 Clone Mappings
 - ✖ Tools
 - 📄 Report field mappir
 - ✉ Email Templates
 - 🔑 License

The Configuration sections allow users to create and edit different aspects of RayFlow and its projects, like phases, datafields, status, or workflow. Here RayFlow can be modified to the specific needs of a customer.

For example, in the Phases configuration the user can create new phases, add phases as a subphase to another,

and add / edit the datafields that are visible/editable in a package.



The screenshot displays two main configuration panels: 'Phases' and 'Datafields'.

Phases Panel:

- Phase List:** A vertical list of phase types: PO (selected), POA, EVAL, PKG, QA, UAT, and DEP.
- Name:** Input field containing 'PO'.
- Description:** Text area containing 'Order Interface'.
- Phase Type:** Dropdown menu set to 'Create phase'.
- Link:** Empty input field.
- Parent Phase:** Dropdown menu set to '-'.
- Order:** Input field containing '100'.
- Style:** Includes an icon preview (a box with 'PO' and a right-pointing arrow), radio buttons for 'None', 'Standard' (selected), and 'Upload', a 'Select' dropdown set to 'Package', and a 'Color' dropdown set to '#6C5D2'.

Datafields Panel:

Datafield	Mandatory Event	Editable	Editable for groups
Application Id	no Events	<input checked="" type="checkbox"/>	no Groups
Application name	all Events	<input checked="" type="checkbox"/>	no Groups
Application version	all Events	<input checked="" type="checkbox"/>	no Groups
Application vendor	all Events	<input checked="" type="checkbox"/>	no Groups
Application language	all Events	<input checked="" type="checkbox"/>	no Groups
Application path	no Events	<input checked="" type="checkbox"/>	no Groups

Task View

The new task view shows all assigned and unassigned tasks in each phase in a list. For each phase except the PO phase this view will look the same. If a task is selected, a detailed view will open which shows the status, the user which this task is assigned to, the SLA, and the category. In addition, the user can add or view more information by selecting one of the tabs in the detail view.

APPLICATION ID	APPLICATION NAME	APPLICATION PATH	PHASE ENTRY	SLA	CATEGORY	USER
PKG-000010	FileZilla	\\path\to\package\filezilla.msi	22.07.2015 16:08	HIGH	COMPLEX	Unassigned

Status: Open
Nobody is working on this task

SLA: HIGH
Information about SLA days not available

Phase entry: 22.07.2015 16:08:50
Last update: 24.07.2015 11:59:58

User: Unassigned

Category: COMPLEX
This is a very difficult task

[PROPERTIES](#) | [COMMENTS \(1\)](#) | [FILES \(0\)](#) | [APPOINTMENTS \(1\)](#) | [HISTORY](#)

MAIN (6)

- ▶ Application Id
- ▶ Application name
- ▶ Application version
- ▶ Application vendor
- ▶ Application language
- ▶ Application path

SAVE

PKG-000009	Reader	\\path\to\package\reader.msi	22.07.2015 16:08	MEDIUM	REGULAR	Unassigned
PKG-000008	Flash	\\path\to\package\flash.msi	22.07.2015 16:08	LOW	EASY	Unassigned

Page 1 of 1 (3 Tasks) Page size 15

[Create Filter](#)

Known issues

The following list is a summary of known issues present in RayFlow 2.0:

Functionality

- RF-1226: MSI Installation fails on SQL Server 2005
- RF-1285: Phase view: Not possible to add more than one appointment for a task using IE
- RF-1326: Clone Task: Clone single task will not clone all datafields
- RF-1432: Project administration: Import project is not working if the export was made on a different Rayflow instance
- RF-1451: MSI: Database connection string in web.config is not updated
- RF-1503: Custom fields not displayed in tracking
- RF-1652: Copy project: Notification templates are not copied

Layout

- RF-1262: Phase view: Walking Column Chooser if the task grid is very wide
- RF-1312: Phase view: Too many characters in datafield value breaking the layout
- RF-1315: My Profile: Layout for smaller resolutions
- RF-1319: Datafield configuration: Create new datafield popup, cut off buttons for smaller resolutions
- RF-1324: My Appointments: Long content in information/description break the layout
- RF-1373: Layout problems with tab control elements when opening/closing the sidebar menu

System Requirements

The given requirements are the prerequisites for devices running the RayFlow Server application.

Hardware Requirements

Minimum Hardware Requirements	Recommended Hardware
<ul style="list-style-type: none">• Minimum disk space required: 120 GB• Minimum RAM required: 1GB• Pentium 4, 2.4 GHz Processor• Network 100Mbit	<ul style="list-style-type: none">• CPU: Intel Core 2 Duo• RAM: 8 GB• Disc Space: 500 GB RAID 10 (4x250GB)

**Note:**

As best practice, Raynet recommends all its customers to have separate web and data servers. Customers can upload the package files directly to the data server using the virtual directory (as upload file location) in IIS.

Software Prerequisites

The following are the minimum software requirements for the installation and running of RayFlow.

- Windows Server 2008 SP2 or higher
- Microsoft SQL Server 2005 SP2 or higher

**Note:**

To install SQL Server 2005 on Windows Server 2008 R2 it is required to have at least SQL Server 2005 SP3: <https://support.microsoft.com/en-us/kb/955725>

To install SQL Server 2005 on Windows Server 2008 it is required to have at least SQL Server 2005 SP2: <https://support.microsoft.com/en-us/kb/936302>

- IIS 7 or higher
- .NET 3.5 for SQL Server
- .NET 4.5

**Note:**

Minimum server requirement for .NET Framework 4.5 is Windows Server 2008 SP2. Further information on system requirements for .NET Framework 4.5, can be found under the following link: <https://msdn.microsoft.com/en-us/library/8z6watww%28v=vs.110%29.aspx>

- Microsoft Report Viewer Runtime (Required to view SSRS Reports)

Please refer to the following links for system requirements related to different versions of Microsoft Report Viewer Runtime

Microsoft Report Viewer 2012 Runtime

<http://www.microsoft.com/en-us/download/details.aspx?id=35747>

Microsoft Report Viewer Redistributable 2008

<http://www.microsoft.com/en-us/download/details.aspx?id=577>

Report Viewer 2005 Service Pack 1

<http://support.microsoft.com/kb/933137>

- Crystal Report Runtime 2010 13.0.14 (Only required if Crystal Reports are used for reporting)

Supported internet browsers:

- Microsoft Internet Explorer™ version 9.0 and newer
- FireFox version 3 and newer
- Chrome
- It is recommended to use a screen resolution of at least 1024x768 pixels.
- Although other browsers might work they are not officially recommended.

Required add-ons:

- Adobe Flash™ Player version 9 and newer

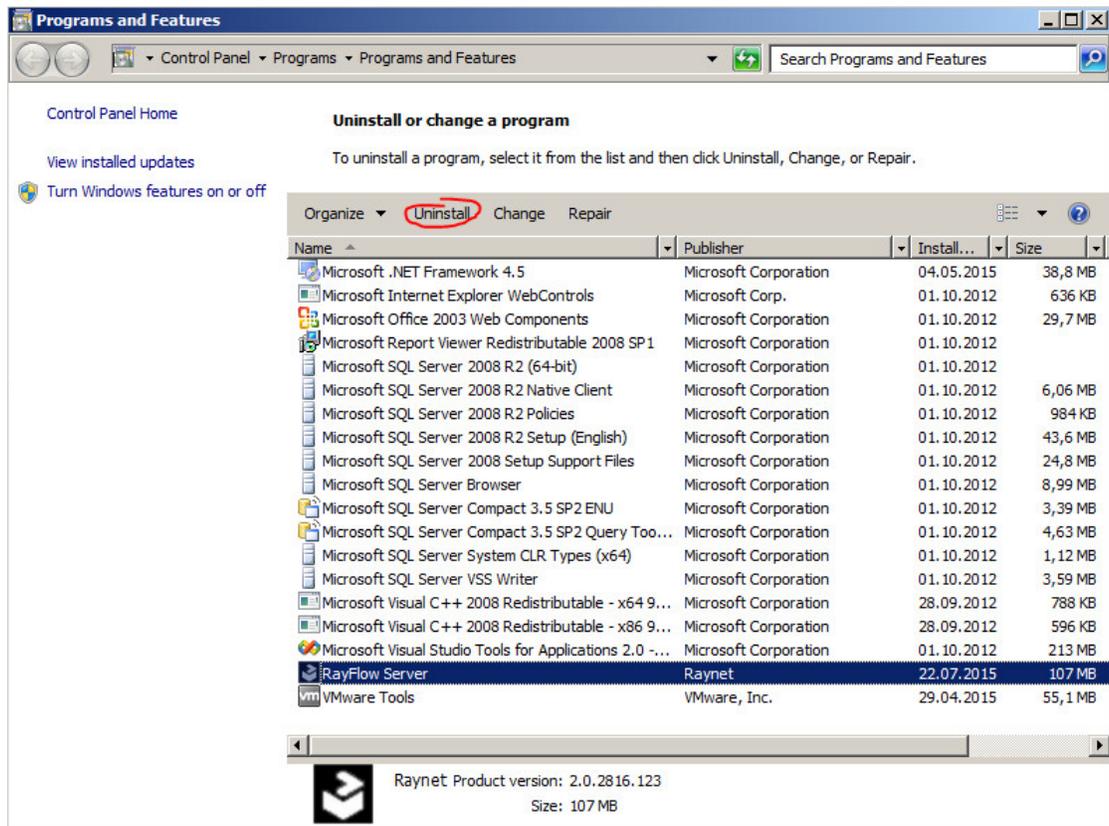
Migration

The last official release version of RayFlow was 1.11. This chapter of the document, describes the steps to successfully migrate this application from version 1.11 to 2.0.

For more information on installation and migration to RayFlow 2.0 , refer to [RayFlow 2.0 Installation Guide](#).

1. Update web application sources

- a. Uninstall the previous version of RayFlow Server:



If RayFlow Server was installed manually (without MSI Installer):

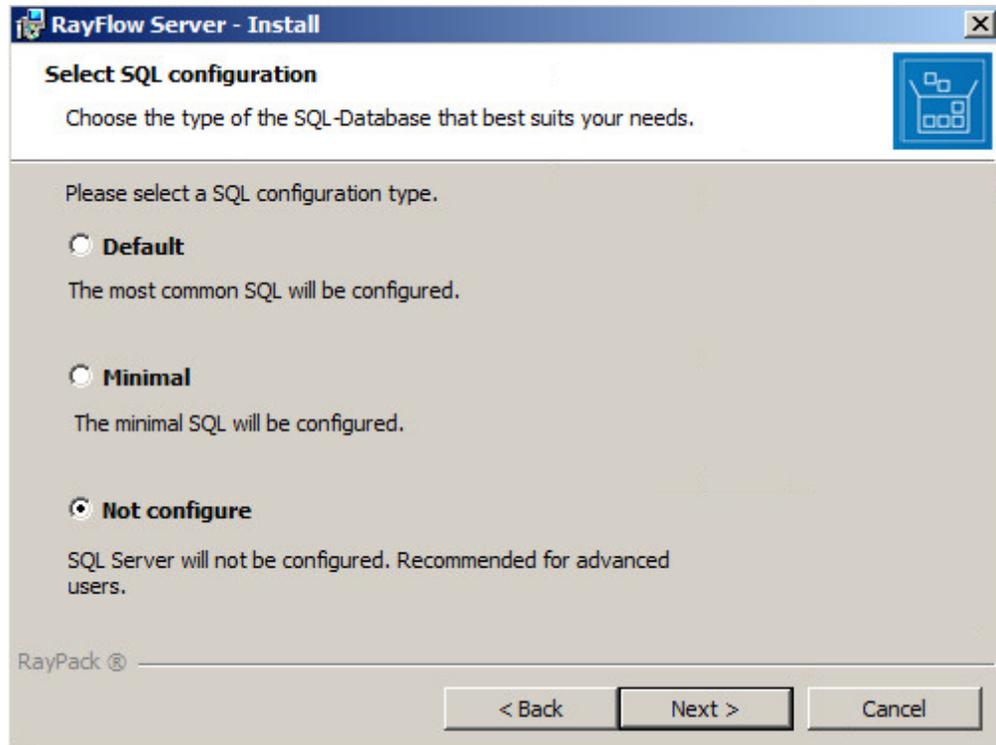
- Make a backup copy of the complete RayFlow Server folder
- Remove all files and folders except the following:
 - .Files
 - .\RFReports
 - .ImportFiles

- .App_Data\UploadTemp\
- .bin\License
- .bin\- .\Logs\

App_Browsers	15.01.2015 10:55	File folder	
App_Data	15.01.2015 10:55	File folder	
bin	15.01.2015 12:49	File folder	
Charts	15.01.2015 10:56	File folder	
Documentation	15.01.2015 10:56	File folder	
Exported	15.01.2015 10:56	File folder	
Files	15.01.2015 10:56	File folder	
Help	15.01.2015 10:56	File folder	
Images	15.01.2015 10:56	File folder	
JSClass	15.01.2015 10:56	File folder	
Login	15.01.2015 10:56	File folder	
Logs	15.01.2015 10:56	File folder	
RFReports	15.01.2015 10:56	File folder	
SQL_Scripts	15.01.2015 10:56	File folder	
UploadTemp	15.01.2015 10:56	File folder	
_app_offline.htm	15.01.2015 08:48	Opera Web Docu...	1 KB
AddReport.aspx	15.01.2015 10:21	ASP.NET Server Pa...	6 KB
Agents.aspx	15.01.2015 10:21	ASP.NET Server Pa...	7 KB
AppLocationEditor.aspx	15.01.2015 10:21	ASP.NET Server Pa...	6 KB
AppMonitor.aspx	15.01.2015 10:21	ASP.NET Server Pa...	12 KB
AppStatusEditor.aspx	15.01.2015 10:21	ASP.NET Server Pa...	10 KB
AppView.aspx	15.01.2015 10:21	ASP.NET Server Pa...	18 KB
BatchProcessing.aspx	15.01.2015 10:21	ASP.NET Server Pa...	29 KB

- b. Install the current version of RayFlow Server 2.0 (see Installation Guide) using the MSI Installer.

NOTE: Skip database creation during installation!



- c. Open the `web.config` file in the RayFlow Server root folder and change the connection string to the existing database.

```
<!-- If this parameter is not included, then a .Net ADO connection timeout of 15 seconds is used by default. -->
<!-- Your connectionString -->
<connectionStrings>
  <add name="RayFlowEntities"
    connectionString="Data Source=(local);Initial Catalog=RayFlow16RedBull;Integrated Security=True;MultipleActiveResultSets=True;App=EntityFramework"
    providerName="System.Data.SqlClient"/>
</connectionStrings>
<appSettings>
```

NOTE: You can take the connection string from web.config file stored in the backup folder you created previously.

2. Update Database

RayFlow-Updater is a simple console program with 4 parameters for updating the RayFlow database to the newest state without the use of SQL-scripts.

```
rfDBUpdater.exe -path z:\raynet\DEV\sources\RayFlow.WebApplication\ -upgrade -wait
```

This application is located under the following directory of RayFlow Server installation directory: %
 INSTALLDIR%\RFDBUpdater\

Example of how to launch an update from a local folder:

```
rfDBUpdater.exe -upgrade -wait
```

Example of how to launch an update from any folder:

```
rfDBUpdater.exe -path z:\raynet\DEV\sources\RayFlow.WebApplication\ -upgrade-wait
```

Arguments

`-path`: The path containing the RayFlow Server installation. It is necessary for the Database/Connection string which will be taken from `web.config` in the given path. The path is, at the same time, the address to your `SQL_Scripts` folder which also resides in the same Folder. The path can be omitted if the command is launched from the RayFlow Server installation folder

`-upgrade`: Using this parameter will update your database to the newest state

`-version`: Get current version of RayFlow

`-wait`: Wait until any key action is taken by the user

Developer guide

SQL-Script changes

All database changes should be added to the file `Updatescript.sql` which you will find in `RayFlow_Web_folder` in subfolder `SQL_Scripts`.

Reserved indexes for future use can be found in the `index.sql` file.

Structure of `Updatescript.sql` script

This file consists of two parts: version delimiter and SQL statements which are delimited by `GO`. In the example below, you can see how a version delimiter should be.

!!! `GO` is a delimiter and should always be in a single line

Line `###version-1.7###` is a version delimiter

Build-explanation

SQL-Statement

! Please no transaction commands in your sql statement.

In the example (Table acme) below you can see how your statement should look like.

```
IF NOT EXISTS (
--in comment please only
    SELECT NULL FROM sys.tables WHERE name = 'Acme' and type_desc = 'USER_TABLE'
)
BEGIN
CREATE TABLE ACME (...)/UPDATE TABLE ACME (...)/INSERT INTO (...)/DELETE ACME (...)
END
GO
```

Follow these steps to successfully upgrade your RayFlow database from 1.11 to 2.0

1. Backup the database

- Start SQL Server Management Studio
- Right click on your existing RayFlow database and select **Task -> Backup** from the context menu

2. Backup the file system

- Go to your RayFlow Server Installation directory
- Right click on it and then select **Send To -> Compressed Zip Folder**

Store your database and file system backup to a safe location

3. Old web.config

- Take note of the connection string entry within the %INSTALLDIR%\web.config file which can be found below the following line: <!--Your connectionstring-->

4. Delete old file system

- Delete all files and folders from D:\RayFlow\customer_name\ except for the following folders:

Files, Images, Import, ImportFiles, Logs, RFReports and UploadTemp.

5. Implement new file system

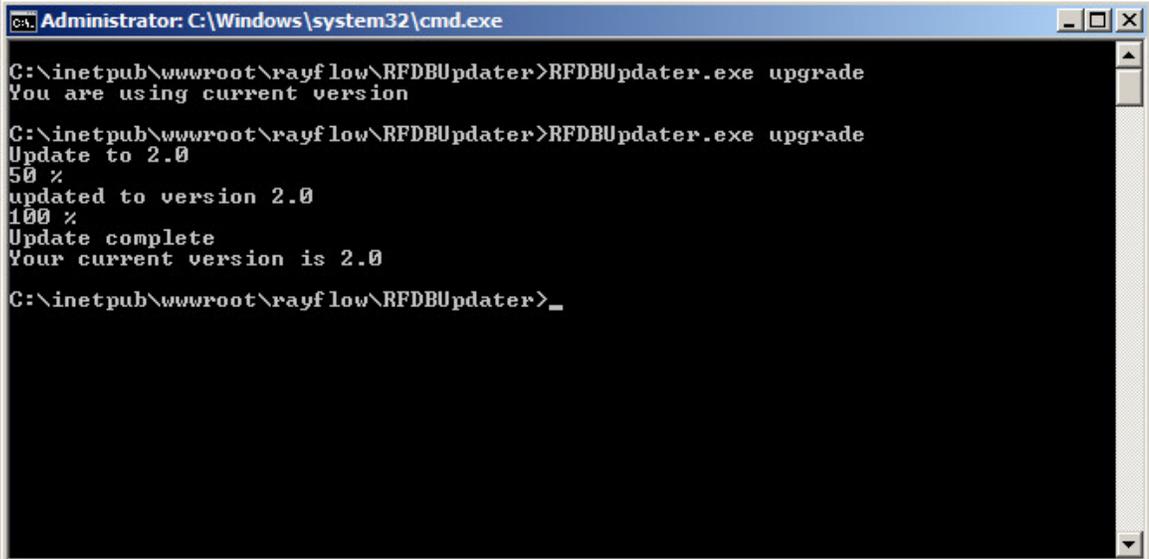
- Copy the RayFlow 1.10 source to your existing RayFlow directory. Merge the new folders with the existing ones, and choose the "Copy and Replace" command for the files that still exist.

6. Edit the new web.config file

- Open the web.config file in a text editor and add the connection string, which you previously noted into it. Save the changes to the new web.config file

7. Upgrade RayFlow database

- Launch a command prompt as Administrator
- Navigate to the folder RayFlow Installation Directory\RFDBUpdater
- Launch the RayFlow database updater tool. The updater tool has two switches:
 - version: Gives you the current version of your RayFlow database
 - upgrade : Upgrades the RayFlow database to the current version



```
Administrator: C:\Windows\system32\cmd.exe
C:\inetpub\wwwroot\rayflow\RFDBUpdater>RFDBUpdater.exe upgrade
You are using current version

C:\inetpub\wwwroot\rayflow\RFDBUpdater>RFDBUpdater.exe upgrade
Update to 2.0
50 %
updated to version 2.0
100 %
Update complete
Your current version is 2.0

C:\inetpub\wwwroot\rayflow\RFDBUpdater>_
```

The database updater can run into errors if your RayFlow instance has been modified and is no longer in the default state. In this case analyze the errors, fix them manually (for example: add missing datafields or change keys in the database), and rerun the updater.

NOTE: You can repeat the execution of the updater several times until it finishes without any errors.

3. Manual configuration

➤ License

Reactivate RayFlow license by using the license wizard, or copy the old license file from the backup `rayflow1.x\bin` to the new RayFlow folder `rayflow2.0\bin`

➤ Phase icons,

Copy all needed phase icons from the backup `rayflow1.x\Images` to `rayflow2.0\Content\Images\Icons\Phase`

Recreate the icons to match the new style of RayFlow Server 2.0. The images must be in png format, black and white and 16 x 16 pixels.

See how to upload icons for phases in the user manual.

➤ Import

Copy all import files from the backup `rayflow1.x\ImportFiles` to the new RayFlow folder `rayflow2.0\ImportFiles`

➤ Custom fields

Reactivate the needed custom fields. Go to configuration/customfields and perform the needed changes.

NOTE: After the migration all custom fields will be activated.

➤ Column chooser

Start RayFlow Server in a browser (e.g. `http://localhost/rayflow`).Go to each phase and select the required datafields.

PACKAGE NAME	PACKAGE ID	INSTALLATION SOURCE TYPE
<input type="text"/>	<input type="text"/>	<input type="text"/>
● Adobe_Acrobat_Pro	0022	MSI
● Adobe Photoshop CS6		
● Skype		MSI
● Google SketchUp		MSI

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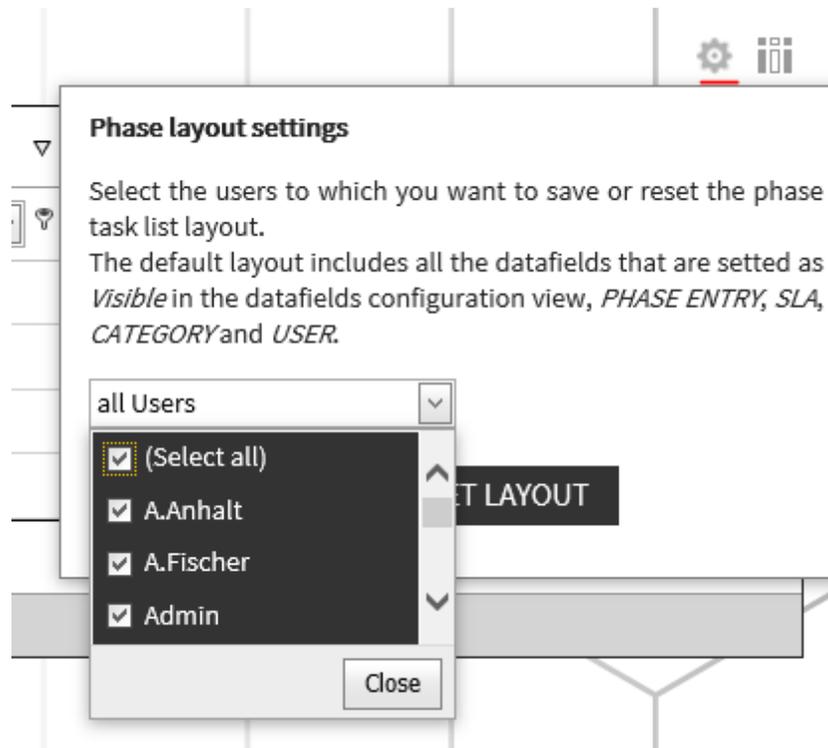
[Create Filter](#)

Column Chooser

- APPLICATION LANGUAGE
- CHECKLIST
- DEPENDENCY_1
- DEPENDENCY_2
- ESTIMATEDDISKSPACE

NOTE: After the migration all available datafields will be displayed in the task list view.

Save selected layout for all users:



Migration from 1.6 to 2.0

To migrate from RayFlow 1.6 to RayFlow 2.0 you first have to migrate from 1.6 to 1.11 . After this follow the instructions for migrating from version 1.11 to RayFlow 2.0

Please contact our support if you have any questions or run into any problems.

Additional Information

Visit <https://raynet.de/de/Raynet-Products/RayFlow> 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://raynetgbh.zendesk.com/forums>.

Our Raynet support team gladly assists you on any question or issue you encounter regarding RayFlow. Feel free to sign in and open incidents via our Raynet support panel, or by simply sending an email to support@raynet.de if you are an already registered Raynet customer.

About Raynet

Raynet GmbH is a leading and innovative service and solution provider in information technology and specialized in the architecture, implementation and operation of all tasks within "Application Lifecycle Management". Raynet's Headquarters is in Germany and presently has more locations in Germany, USA, Poland, UK and Belgium.

For over 15 years, Raynet has supported hundreds of customers and partners with its products and solutions for enterprise application management projects worldwide. These include license management, software packaging, software deployment, migrations, client engineering and much more. Additionally, Raynet maintains and cultivates strong partnerships with leading companies in Application Lifecycle Management.

Raynet products and solutions are unique in design and functionality. Their development is highly driven by our customers and partners who play a big role in the development of our products and are a key reason why our products are always cutting edge. Whether you want to introduce a new deployment tool or to start a SAM project, whether you want to plan a packaging factory or do a migration – Raynet is the choice for best-of-breed-practices in services, products, and solutions for Application Lifecycle Management.

Next Steps

For more information, please visit our website: www.raynet.de or contact our sales team on +49 5251 54009-0 or sales@raynet.de



Raynet GmbH

Technologiepark 20
33100 Paderborn, Germany
T +49 5251 54009-0
F +49 5251 54009-29
info@raynet.de

www.raynet.de



www.rayflow.de