RAYFLOW®

# Workflow Management

## Release Notes RayFlow 6.0 SP1

RayFlow is part of RaySuite.

•rayNET

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Release Notes RayFlow RayFlow 6.0 SP1

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# Introduction

This release of RayFlow 6.0 SP1 provides new features, as well as functional improvements and fixes for known issues from prior versions. RayFlow is available as a standalone product as well as it can serve as the backbone for the RaySuite Enterprise Solution.

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

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

# Resolved Issues

The following issues from the previous version of RayFlow have been resolved in this release.

## General

The following issues which affected both, RayFlow Server and RayFlow Client have been resolved in the latest version.

- `RF-4572` We updated standard RayFlow reports and introduced general improvements to them.
- `RF-4593` We improved the Quick Reports by excluding disabled users from them.
- `RF-4602` We fixed counting of SLA days for the Project mode.
- `RF-4608` We fixed a problem, where a normal user was unable to finish a task before he activated the task.
- `RF-4609` We fixed a permission issue that prevented normal users from uploading files in the create phase.
- `RF-4617` We added a new flag "Active" to task types, so that it is possible to disable certain task types.
- `RF-4613` We fixed several interaction issues between web and client application, which resulted in random errors "`Error 500: Session Ticket not available!`".

## RayFlow Server

The following issues have been resolved in the latest version of RayFlow Server.

- `RF-4401` We changed the **PackageStore** snap-in to only show available packages.
- `RF-4403` We improved and optimized the **Feedback Plugin** and the Collector Application.
- `RF-4556` We fixed a problem with the task comment editor, where it was not possible to upload a picture via the upload control.
- `RF-4568` We restored missing icons in users/groups view of administration -> notification view.
- `RF-4601` We fixed several issues with columns and table header layout saving and persistence.
- `RF-4603` We fixed a problem with the web page layout, where long lists could cause the horizontal scrollbar to disappear.
- `RF-4621` We improved the usability of multi-drop-down data field selectors.

# RayFlow Client

The following issues have been resolved in the latest version of the RayFlow Client.

- RF-4559 We fixed a problem with the display of datafields of type "datetime", where the client would show an incorrect date.

# Migration

This chapter of the document is meant to help users upgrade from their existing RayFlow version to RayFlow 6.0 SP1.

RayFlow License

If the previously installed RayFlow version has been a version prior to 4.0, it will be necessary to activate the RayFlow using a new `.rsl` license file instead of the old .license files that were used previously to 4.0. In this case, reactivate your RayFlow license by using the license activation tool or contact the Support Team using our Support templates. Information on how to reactivate a Raynet Product License can also be found in our KnowledgeBase.

## RayFlow Server

### Migration from 1.x RayFlow Servers

If migrating from a 1.x RayFlow server to RayFlow 6.0 SP1, it is recommended to ask for the help of our consultants.

### Migration from 2.x RayFlow Servers or Higher to 6.0 SP1

#### 1. Make a Backup of the Current System

(This step is optional but strongly recommended)

A. Uninstall the previous version of RayFlow Server:

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

B. Backup the file system:

- Go to the RayFlow Server Installation directory (`%INSTALLDIR%`).
- Right-click on the directory and select **Send To > Compressed Zip Folder**.

- Store the database and the file backups at a safe location.

**Note:**

The content of the previous related `web.config` file will later be needed for the edition of the new `web.config` file.

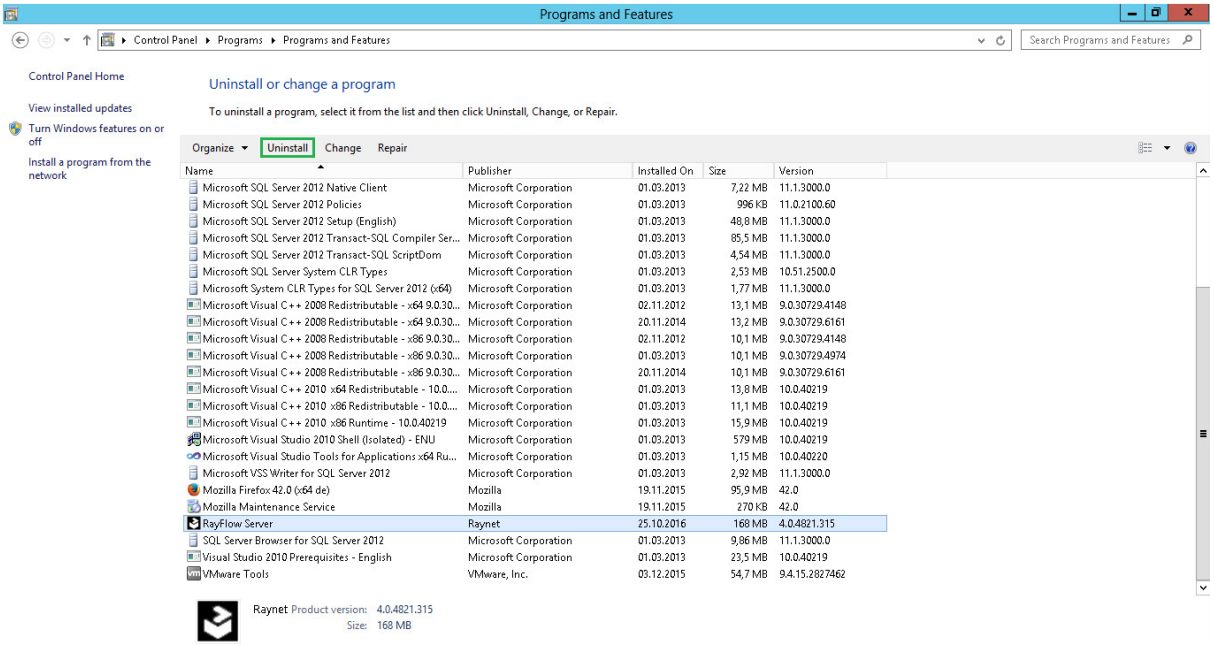
# 2. Uninstall the Previous RayFlow Server

**Warning:**

If step 1 has been skipped, make sure that the `web.config` file of the previous installation is kept available in a safe location.

After the old `web.config` file has been saved uninstall the old version of RayFlow Server.

To uninstall RayFlow Server use the Windows Control Panel. In the **Uninstall or change a program** section, select the entry for RayFlow Server. Right-click on the entry and select **Uninstall** from the context menu.

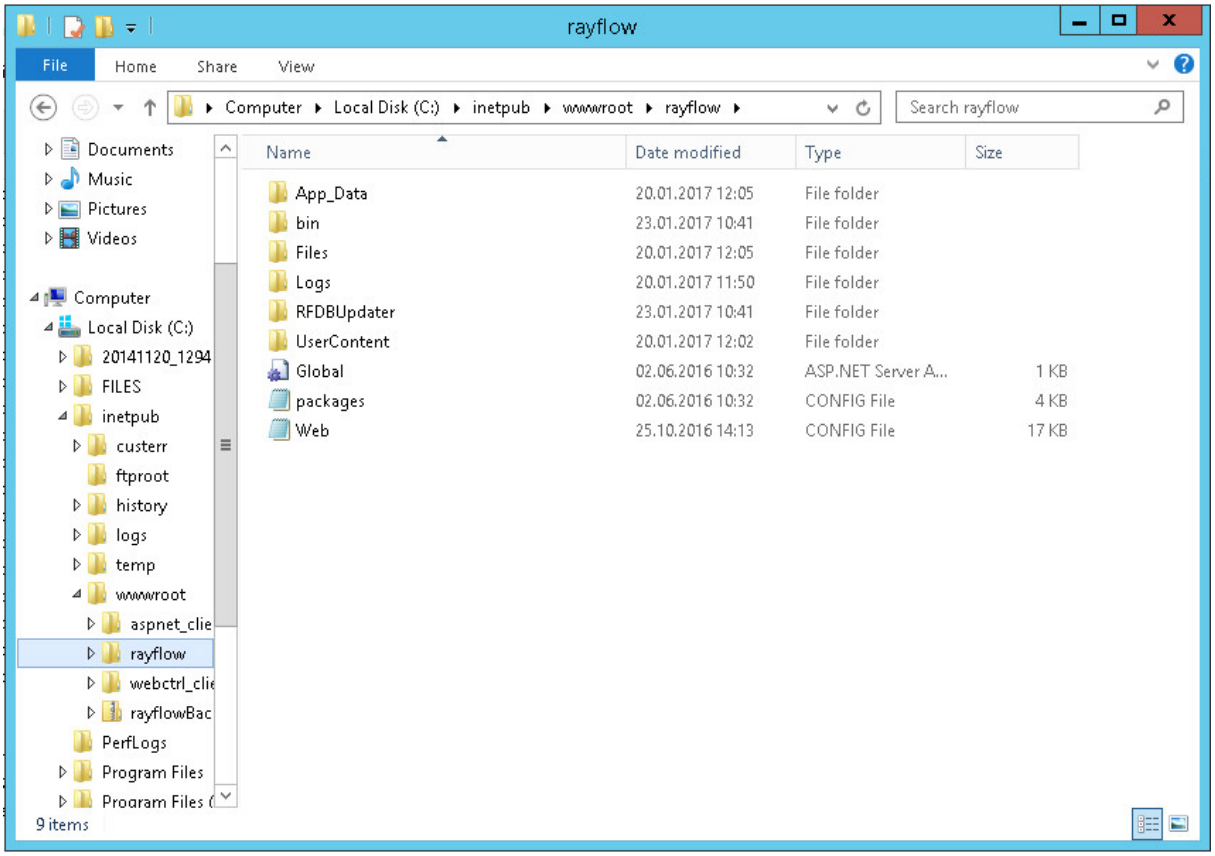



**Be aware:**

Folders which contain customized data (icons, license files, files uploaded to tasks, etc.) will not be deleted by this action and will remain in the `%INSTALLDIR%` or in its subfolders.

In the screenshot below there is an example of data that will remain after uninstalling the old

RayFlow Server.




# 3. Installation of RayFlow Server 6.0 SP1

Install the current version of the RayFlow Server to the `%INSTALLDIR%` folder using the MSI installer. Detailed information on how to install the new RayFlow Server can be found in the Server Installation Guide for RayFlow.

**Warning:**
Skip the database creation during the installation!

# 4. Edition of the New Web.config File

Open the `web.config` file which is located in the `%INSTALLDIR%` in a text editor and replace the connection string with the connection string of the old `web.config` file (see either the first or the second step). Save the changes to the new `web.config` file.

Example:

```
<!-- Your connectionstring -->
  <connectionStrings>
    <add name="RayflowEntities"
      connectionString="Data Source=(local);Initial Catalog=Rayflow;Integrated
      Security=True;MultipleActiveResultSets=True;App=EntityFramework"
      providerName="System.Data.SqlClient"/>
  </connectionStrings>
```

# 5. Upgrade the RayFlow Database

The database needs to be updated using the RayFlow-Updater. This is a simple console program which contains the four parameters which are necessary to update the RayFlow database to the latest state without the use of SQL scripts.

```
rfDBUpdater.exe –path %INSTALLDIR%\RFDBUpdater\ -upgrade –wait
```

The application itself is located in the following directory of the RayFlow Server installation: `%INSTALLDIR%\RFDBUpdater\`

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

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

**Example of hof to launch an update from any folder:**

`rfDBUpdater.exe -path %INSTALLDIR%\RFDBUpdater\ -upgrade –wait` (with full path `%INSTALLDIR%`)

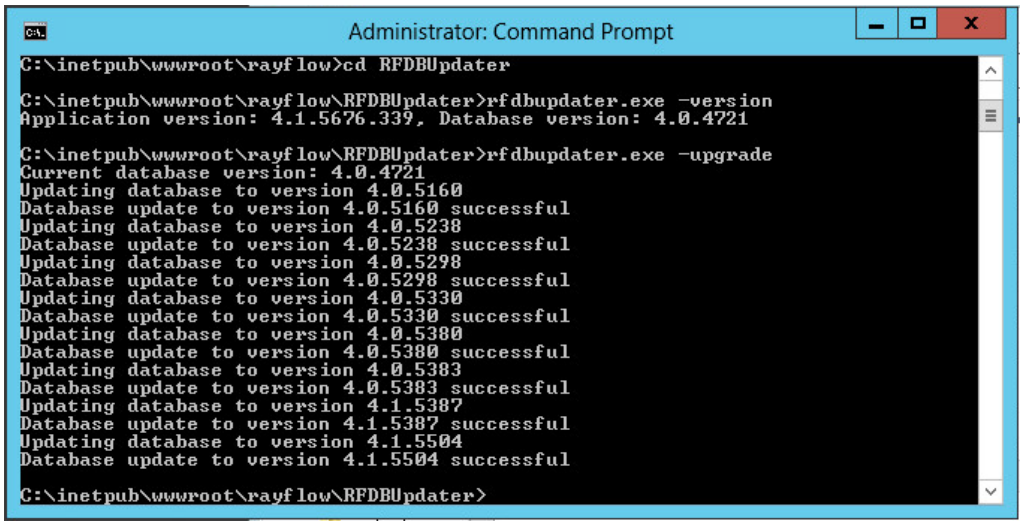
**List of Arguments:**

`-path`: The path containing the RayFlow Server installation. It is necessary for the Database/ Connection string which will be taken from the `web.config` in the given path. At the same time, the path is the address of the 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 the database to the latest state.

`-version`: Get the current version of RayFlow.

`-wait`: Wait for a key action.




**Note:**
If any errors are reported, please contact the support team.

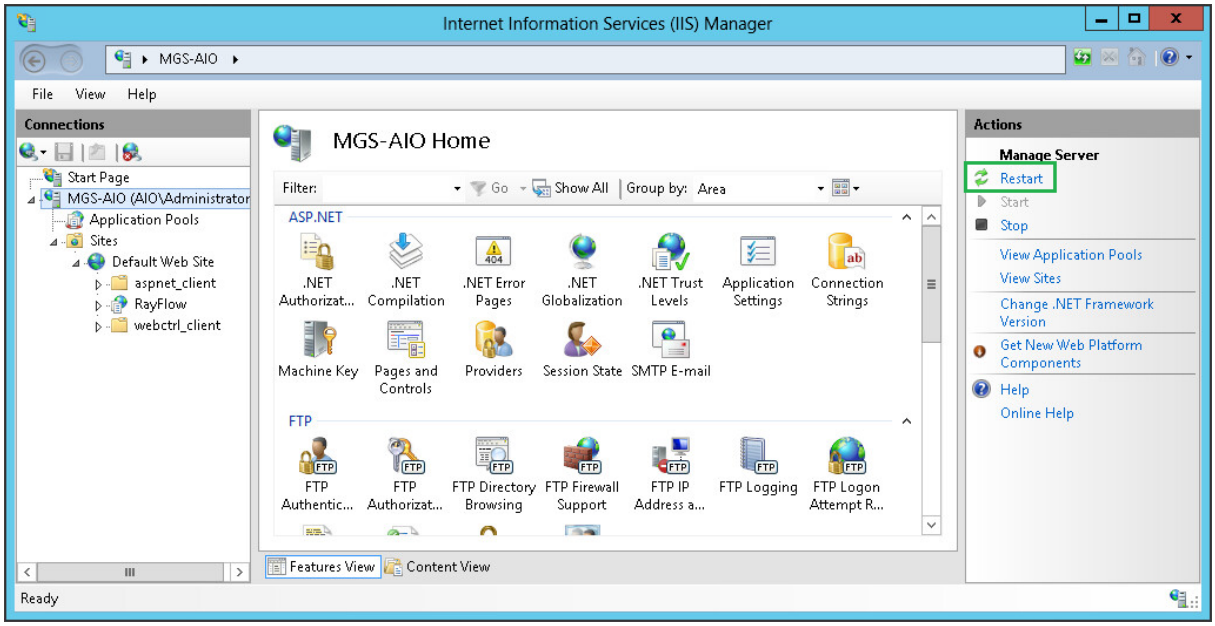
# 6. Manual Configuration

(The necessity of these steps depends on the environment.)

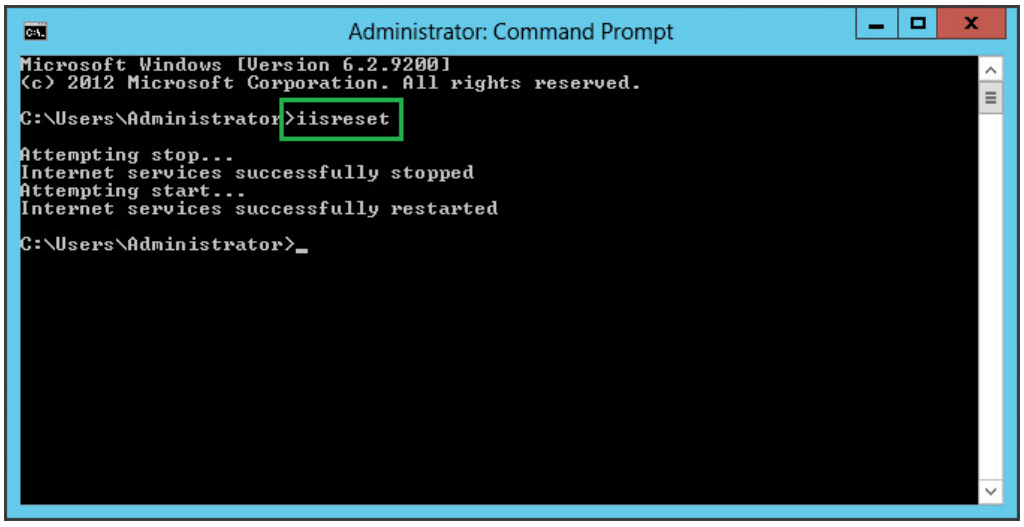
Internet Information Services (IIS) restart

Restart the Internet Information Services either using the Internet Information Services Manager or via Command Prompt using the iisreset command line.

## Internet Information Services Manager:




## "iisreset" command line:



# RayFlow Client

## Upgrading the RayFlow Application

### General upgrade preparations

RayFlow 6.0 SP1 is delivered as an MSI software package. In order to install it safely:

1. Download the MSI package for RayFlow 6.0 SP1 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 6.0 SP1 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.

# System Requirements

## RayFlow Server

### Hardware Requirements

#### Minimal

- Minimum disk space required: 120 GB
- Minimum RAM required: 1GB
- Pentium 4, 2.4 GHz Processor
- Network 100Mbit

#### Recommended

- CPU Intel Core i5 or i7
- 8GB RAM
- Disc Space: 500 GB RAID 10 (4x250GB)
- Network 100Mbit

### Prerequisite Software

The following are the minimum software requirements for the installation and running of RayFlow 6.0 SP1.

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

- 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
- Microsoft Edge
- It is recommended to use a screen resolution of at least 1024x768 pixels.
- Although other browsers might work they are not officially recommended.

# RayFlow Client

## Hardware Requirements

### Minimal

- Screen resolution: 1024 x 768 pixels
- Color settings: 16 bit
- RAM: 2GB
- Disk space: 10GB

### Recommended

- Screen resolution: 1280 x 1024 pixels
- Color settings: 32 bit
- RAM: 4GB or higher
- Disk space: 100GB or more

# Additional Information

Further information regarding RayFlow can be found in several resources which are available.

- The *Operations Supplement* provides information about third-party software and libraries redistributed with RayFlow.
- The *Administration and Configuration Guide* provides detailed information about RayFlow Server.
- The *Installation Guide* provides detailed information on how to setup a RayFlow server instance.
- The *User Guide* provides information for user of the RayFlow client.
- The product website https://raynet.de/en/Raynet-Products/RayFlow provides information about the product, news, and support.
- Raynet and its partners offer a range of training courses that can also be customized to meet your requirements. For more information on these courses, speak with your Raynet consultant or contact the Raynet Sales department via sales@raynet.de.

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