



RabbitMQ

Installation and configuration

Table of Contents

Installation preparations and backup.....	3
Installation.....	3
Upgrade	4
Powershell restrictions	4
Lifecare Control Center (LCC) configuration	4
Firewall.....	6
Uninstall	6
Files on disc.....	6
Version history.....	6

Installation preparations and backup

Erlang and RabbitMQ are installed on the **application server only**.

First, check that your account does not have its home directory on for example H:, then you cannot run the installation script. Either use another account to log on with which has HOMEDRIVE=C: or change your home directory.

If this is a new installation:

1. Download everything under /lcsdelivery/public/Tieto Service/RabbitMQ from our delivery FTP
2. Unzip the zip-file
3. Run RabbitMQ.ps1 **as an administrator** by following the **Installation** instructions below

If this is an upgrade

1. Open Services application and STOP the service RabbitMQ
2. **Take a backup of the current data** by copying all files under C:\ProgramData\RabbitMQ to a backup folder. NB! ProgramData is a hidden folder so you need to select Hidden items under View menu to see it.
3. Download everything under /lcsdelivery/public/Tieto Service/RabbitMQ from our delivery FTP
4. Unzip the zip-file
5. Run RabbitMQ.ps1 **as an administrator** by following the **Upgrade** instructions below

Installation

1. Open Windows powershell as administrator in your unzipped folder.
2. Run the script RabbitMQ.ps1.
3. Supply a password for the **Administration account** for RabbitMQ. Please remember your password for future reference. If you need more information type !? and press enter.
4. Supply a password for the **Lifecare account** for RabbitMQ. Please remember your password for future reference. If you need more information type !? and press enter.
5. Now Erlang and RabbitMQ are both installed automatically

Upgrade

1. Open Windows powershell as administrator in your unzipped folder.
2. Run the script RabbitMQ.ps1.
3. Supply the same password for the **Administration account** as you did when first installing and press enter.
4. Supply the same password for the **Lifecare account** as you did when first installing and press enter.
5. Now Erlang and RabbitMQ will be upgraded automatically, one or more installations will follow depending on how many versions needs to be installed.

Powershell restrictions

If you get a warning when running the script as below, please use the command

```
Set-ExecutionPolicy -Scope Process -ExecutionPolicy Bypass
```

Lifecare Control Center (LCC) configuration

This needs to be done once, or, if the password has been changed.

To make it possible for Welfare applications to communicate with RabbitMQ it is required that the following information is configured in the system feature **RabbitMQ** (see *figure 1 below*).

1. Log into Lifecare control Center
2. Select Configuration
3. Select Features
4. Search for RabbitMQ and open that feature by clicking on the pen
5. Do the following
 - Check "Enabled" above right if that is not checked
 - Give the password for the Lifecare user you just installed in the password field
 - Press SAVE button

Now the necessary configuration to start using the Welfare queue in Rabbit MQ is done. A login test is done towards RabbitMQ in Lifecareinstaller.exe to verify the Lifecare user and password.

At this point we are not using TLS, we will add information about using TLS later.

Lifecare® Control Center - KonsultOnP

RabbitMQ
☒ Enabled

About

RabbitMQ configuration.

Host name

?

Use TLS

☐
?

Welfare virtual host

?

Name	User	Password
welfare	lifecare	

BACK

SAVE

Figure 1 – System feature “RabbitMQ”.

Firewall

These ports are used for traffic to RabbitMQ, only used locally on the application server.

Port numbers used for the client communication with RabbitMQ

- 5671: used by AMQP 0-9-1 and 1.0 clients with TLS.
- 5672: used by AMQP 0-9-1 and 1.0 clients without TLS.

Port number used for the UI management plugin - http://localhost:15672/

- 15672: used for the UI management plugin.

Uninstall

Uninstall everything by using the powershell script RabbitMQ.ps1. **Do not use Add/Remove programs!**

Parameters:

- -Uninstall uninstalls the program
- -Uninstall -RemoveRabbitMqData uninstalls the program AND the database (use with care and only after consulting with our technical specialists)

Files on disc

Installation files are located under C:\Program Files

Database and log files are located under C:\ProgramData\RabbitMQ

Version history

Version	Date	Author	Reviewed by	Approved by	Change history
V1.6	2024-08-19	AG		AN	New version
V1.7	2024-10-25	AG		AN	Added homedrive info
V1.8	2024-11-07	AG		NO	Added uninstall info