



RabbitMQ

Installation and configuration

Table of Contents

Installation preparations.....	3
I have already installed with default values – how to fix it?	3
Installation.....	4
Lifecare Control Center (LCC) configuration	4
Firewall.....	5
Uninstall	6
Files on disc	6
Version history.....	6

Installation preparations

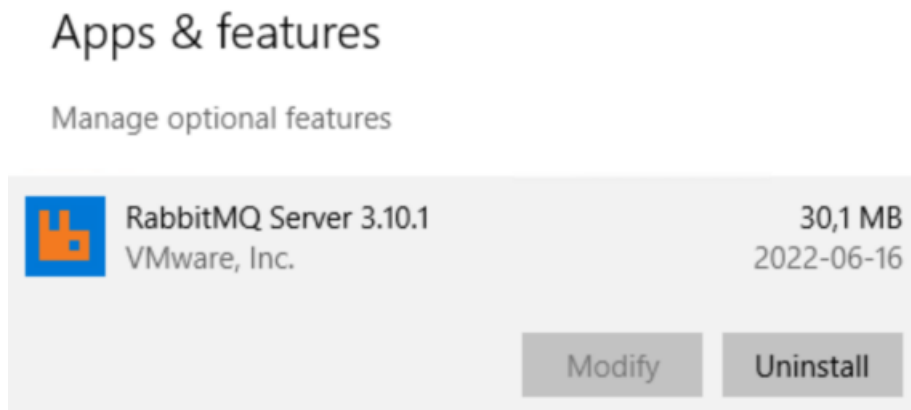
Erlang and RabbitMQ needs to be installed on the **application server only**. Do as follows:

1. Download RabbitMQ.zip from /lcsdelivery/public/Tieto Service/RabbitMQ on our delivery FTP
2. Unzip to a temporary folder
3. If you previously installed Erlang and RabbitMQ when we first instructed to do this in w20, please uninstall doing as described below under the heading “I have already installed with default values – how to fix it?”

I have already installed with default values – how to fix it?

After this was shipped in 11.0w20 we discovered some issues. We found that data was stored under the logged in users appdata folder, this must be fixed. To do that do as follows.

1. Open



2. Look for RabbitMQ and click uninstall
3. Look for Erlang and click uninstall
4. Reboot the application server
5. Delete the folder under %appdata% (C:\Users\MyAccount\AppData\Roaming\RabbitMQ)
6. Proceed with new installation as described below

Installation

1. Start a new installation using the powershell script **Install.ps1** in your temporary folder. Right click and select Run with powershell
2. 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.
3. 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.
4. Now Erlang and RabbitMQ are both installed automatically

Lifecare Control Center (LCC) configuration

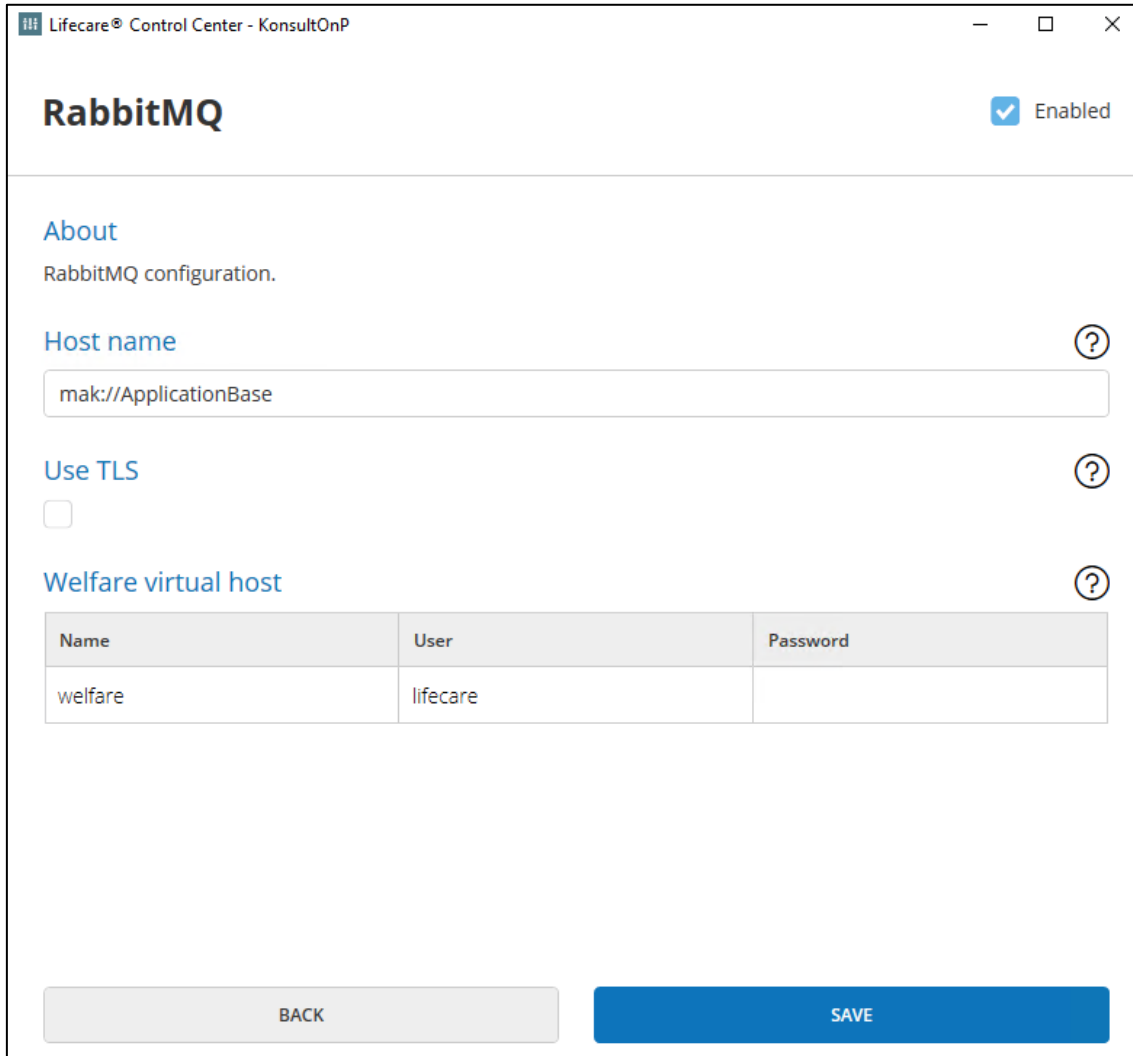
To make it possible for Welfare applications to communicate with RabbitMQ it is required that the following information is configured in the system feature **RabbitMQ**

NB! This feature can only be found if you have installed version 11w20 or later

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. Now do the following two things
 - 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. At this point we are not using TLS, we will add information about using TLS later.

Later a login test will be done towards RabbitMQ in Lifecareinstaller.exe to verify the Lifecare user and password.



RabbitMQ ☒ Enabled

About
RabbitMQ configuration.

Host name ⓘ
mak://ApplicationBase

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 on the application server. No openings needed from other computers.

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

If there is a problem with the installation in the future, and installation has been done with install.ps1 you can uninstall everything by using the powershell script uninstall.ps1.

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
V1.0-1 D	2022-02-16	JS			First draft
V1.0	2022-05-02	JS/AN/AG			Customer ready
V1.1	2022-05-19	AN			Changed RabbitMQ version
V1.2	2022-05-24	JS			Lifecare Control Center
V1.3	2022-05-25	AG			Appendix added
V1.4	2022-09-01	AG			Rewritten after installation problems
V1.5	2022-09-05	AG			More info regarding ports