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# ***Read before install*:**

- If your device is online, you only need to follow 1.a. item to install Rabbit MQ Docker for yourself.

- If your device is offline, you need to do:

* Prepare a Rabbit MQ image file
* Follow the 1.c item

# **Simple install scripts**

* 1. **Script to install RabitMQ for docker from internet**

|  |
| --- |
| *docker run -td --hostname rabbit --name rabbit -e RABBITMQ\_DEFAULT\_USER=user -e RABBITMQ\_DEFAULT\_PASS=password -p 5671-5672:5671-5672 -p 4369:4369 -p 25672:25672 -p 15672:15672 rabbitmq:3.6.9-management*  # Verify that you have repository with name “rabbitmq” (See REPOSITORY column of output)  *docker images*  # Verify that you have a container with name rabbit (See the NAMES column of output)  *docker ps –a*  # Verify that the last running container have:  # - Container name is “rabbitmq” (See the NAMES column of output)  # - Status is running (See the STATUS column of output- must be start with Up)  *docker ps –l*  # Enable admin page for rabitmq  *docker exec rabbit rabbitmq-plugins enable rabbitmq\_management*  *#* Install wget & get & install *rabbitmq\_delayed\_message\_exchange for Rabbit*  *docker exec rabbit apt-get update*  *docker exec rabbit apt-get install -y wget*  *docker exec rabbit rm -rf /var/lib/apt/lists/\**  *docker exec rabbit wget http://www.rabbitmq.com/community-plugins/v3.6.x/rabbitmq\_delayed\_message\_exchange-0.0.1.ez*  *docker exec rabbit mv rabbitmq\_delayed\_message\_exchange-0.0.1.ez /usr/lib/rabbitmq/lib/rabbitmq\_server-3.6.9/plugins/*  # Enable plugin rabbitmq\_delayed\_message\_exchange in RabbitMQ docker  *docker exec rabbit rabbitmq-plugins enable* [*rabbitmq\_delayed\_message\_exchange*](https://github.com/rabbitmq/rabbitmq-delayed-message-exchange)  # Try to login to admin page of rabbitmq with these information:  # URL: <http://localhost:15672>  # Username: admin  # Password: admin |

* 1. **Script to save a docker image to file**

*nqvinhtong$ docker images*

REPOSITORY TAG IMAGE ID CREATED SIZE

rabbitmq latest eb2e4968538a 9 days ago 179 MB

mysql 5 7666f75adb6b 3 months ago 406 MB

*nqvinhtong$ docker save rabbitmq -o rabitmq\_latest\_file*

This command will save image “rabbitmq” to file “rabitmq\_latest\_file”

* 1. **Script to install RabitMQ for docker from a physical image file**

|  |
| --- |
| # (You need to have a physical rabbit MQ image file first)  # Load from rabbitmq\_file (create from image Rabbitmq)  *docker load -i rabbitmq\_file*  #See load result (find Rabbitmq image from result)  *# Verify that you have repository with name “rabbitmq” (See REPOSITORY column of output)*  *docker images*  #Create a container from the “rabbitmq” image  *docker run –td --hostname rabbit --name rabbit -e RABBITMQ\_DEFAULT\_USER=admin -e RABBITMQ\_DEFAULT\_PASS=admin -p 5671-5672:5671-5672 -p 4369:4369 -p 25672:25672 –p 15672:15672 rabbitmq*  # See status of the created container  # Verify that the last running container have:  # - Container name is “rabbitmq” (See the NAMES column of output)  # - Status is running (See the STATUS column of output- must be start with Up)  *docker ps -l*  # Try to login to admin page of rabbitmq with these information:  # URL: <http://localhost:15672>  # Username: admin  # Password: admin |

# **Some useful commands**

* 1. **Create docker image & docker container & run rabbit MQ container**

***Command:***

*docker run -td --hostname rabbit --name rabbit -e RABBITMQ\_DEFAULT\_USER=admin -e RABBITMQ\_DEFAULT\_PASS=admin -p 5671-5672:5671-5672 -p 4369:4369 -p 25672:25672 -p 15672:15672 rabbitmq:latest*

***Meaning***

* *--hostname rabbit*
* *--name rabbit -> NAME\_OF\_CONTAINER*
* *-e RABBITMQ\_DEFAULT\_USER=admin -> Configure username for default user*
* *-e RABBITMQ\_DEFAULT\_PASS=admin -> Configure password for default user*
* *-p 5671-5672:5671-5672 -> publish PUBLIC\_PORT\_RANGE from LOCAL\_PORT\_RANGE*
* *rabbitmq:latest -> IMAGE\_NAME:VERSION*

This command will execute some following steps:

* If it not exists in Local, it will download image from internet
* create a new container with name "rabbit" from image
* Execute this container
* Public local port of Rabbit MQ to use from outside
  1. **Check the status of image & container**

|  |  |
| --- | --- |
| Command | Meaning |
| *docker ps* | List all running containers |
| *docker ps –a* | List all containers |
| *docker images* | List all images |
| *docker rmi IMAGE\_ID* | Remove an image |
| *docker rm CONTAINER\_ID/CONTAINER\_NAME* | Remove an container |
| *docker logs CONTAINER\_ID/CONTAINER\_NAME* | Show information logged by a running container |