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How to Install RabbitMQ Server on Ubuntu 16.04 & 14.04

Written by [Rahul K.](#)[Linux Tutorials](#)[2 Comments](#)

RabbitMQ is the most popular open source message broker. RabbitMQ is a lightweight application available for most of the popular operating systems. RabbitMQ supports multiple messaging protocols. RabbitMQ can be easily deployed in a distributed and federated configurations to meet high-scale, high-availability requirements. This tutorial will help you to install RabbitMQ on Ubuntu 16.04 LTS and 14.04 LTS systems.



Step 1 – Install Erlang

First, use the following commands to add erlang apt repository on your system. You can simply download erlang repository package from its official website and install on your system.

```
$ wget https://packages.erlang-solutions.com/erlang-solutions_1.0_all.deb
$ sudo dpkg -i erlang-solutions_1.0_all.deb
```

Now, you can install erlang package on your system using the following command. This will install all of its dependencies as well.

```
$ sudo apt-get update
$ sudo apt-get install erlang erlang-nox
```

Step 2 – Install RabbitMQ Server

After installing requirements, now enable RabbitMQ apt repository on your system. Also you need to import rabbitmq signing key on your system. Use the following commands to do this.

```
$ echo 'deb http://www.rabbitmq.com/debian/ testing main' | sudo tee /etc/apt/sources.list.d/rabbitmq.list
$ wget -O- https://www.rabbitmq.com/rabbitmq-release-signing-key.asc | sudo apt-key add -
```

After that update apt cache and install RabbitMQ server on your system.



6372



942



809



28



0



```
$ sudo apt-get update
$ sudo apt-get install rabbitmq-server
```

Step 3 – Manage RabbitMQ Service

After completing above installations, enable the RabbitMQ service on your system. Also, start the RabbitMQ service. Use one of the below methods /svinit for older systems or systemctl for the latest operating system.

Using Init –

```
$ sudo update-rc.d rabbitmq-server defaults
$ sudo service rabbitmq-server start
$ sudo service rabbitmq-server stop
```

Using Systemctl –

```
$ sudo systemctl enable rabbitmq-server
$ sudo systemctl start rabbitmq-server
$ sudo systemctl stop rabbitmq-server
```

Step 4 – Create Admin User in RabbitMQ

By default rabbitmq creates a user named “guest” with password “guest”. You can also create your own administrator account on RabbitMQ server using following commands. Change password with your own password.

```
$ sudo rabbitmqctl add_user admin password
$ sudo rabbitmqctl set_user_tags admin administrator
$ sudo rabbitmqctl set_permissions -p / admin ".*" ".*" ".*"
```

Step 5 – Setup RabbitMQ Web Management Console

RabbitMQ also provides a web management console for managing the entire RabbitMQ. To enable web management console run following command on your system. The web management console helps you for managing RabbitMQ server.

```
$ sudo rabbitmq-plugins enable rabbitmq_management
```

RabbitMQ dashboard starts on port 15672. Access your server on the port to get dashboard. Use the username and password created in step 4



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After login, you will get the RabbitMQ management web interface dashboard.

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RabbitMQ Management x

svr1.tecadmin.net:15672/#/

User: admin
Cluster: rabbit@PC237 (change)
RabbitMQ 3.6.9, Erlang 19.3

Log out

Overview Connections Channels Exchanges Queues Admin

Overview

▼ Totals

Queued messages (chart: last minute) (?)

Currently idle

Message rates (chart: last minute) (?)

Currently idle

Global counts (?)

Connections: 0 Channels: 0 Exchanges: 8 Queues: 0 Consumers: 0

▼ Node

Node: rabbit@PC237 (More about this node)

File descriptors (?)	Socket descriptors (?)	Erlang processes	Memory	Disk space	Rates mode	Info	Reset stats DB	+/-
53 1024 available	0 829 available	324 1048576 available	52MB 628MB high watermark	963MB 48MB low watermark	basic	Disc 1	Reset	

Reset stats on all nodes

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RAHUL K.





I, Rahul Kumar is the founder and chief editor of TecAdmin.net. I am Red Hat Certified Engineer (RHCE) and working as IT professional since 2009.

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