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# How to Install RabbitMQ Server on Ubuntu 18.04 & 16.04 LTS

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Written by [Rahul K.](#), Updated on October 20, 2018

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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 18.04 LTS and 16.04 LTS systems.

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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'
$ wget -O- https://www.rabbitmq.com/rabbitmq-release-signing-key.asc
```

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

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

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|---|---|
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After completing installations, enable the RabbitMQ service on your system. Also, start the RabbitMQ service. Use one of the below methods sysvinit 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

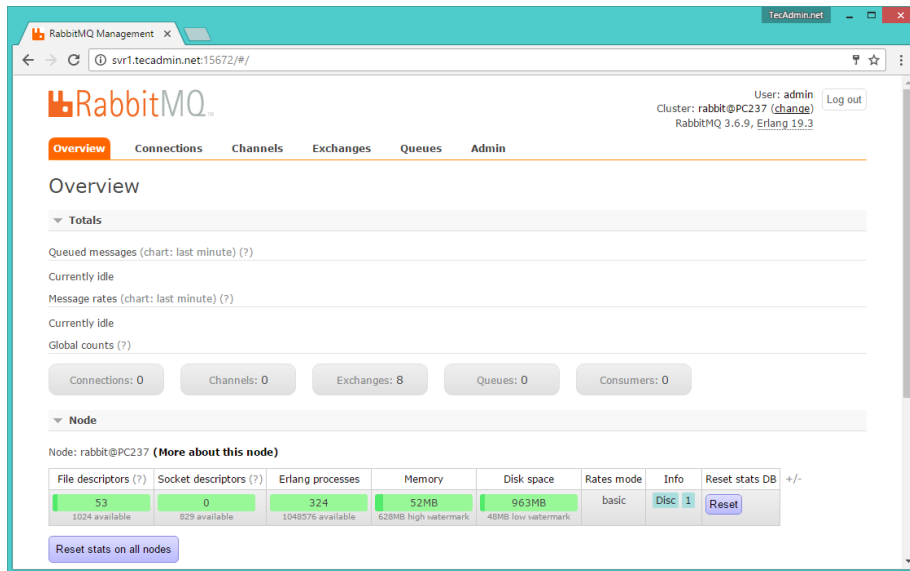
RabbitMQ also provides a web management console for managing the entire RabbitMQ. To enable web management console run following command on your system. The web management console helps you with managing RabbitMQ server.

```
$ 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



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



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**RAHUL K.**

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

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## 25 COMMENTS

**RAGUL**[↩ REPLY TO RAGUL](#)

August 21, 2018 at 12:12 pm

How to downgrade rabbitmq to version 3.6.9

**SANJEEV GUPTA**[↩ REPLY TO SANJEEV](#)

June 26, 2018 at 12:11 pm

Hii Rahul,  
I am getting the following error.

Adding new user `rabbitmq` (UID 123) with group `rabbitmq` ...

Not creating home directory `/var/lib/rabbitmq`.

Job for rabbitmq-server.service failed because the control process exited with error code. See "systemctl status rabbitmq-server.service" and "journalctl -xe" for details.  
invoke-rc.d: initscript rabbitmq-server, action "start" failed.

- rabbitmq-server.service – RabbitMQ broker

Loaded: loaded (/lib/systemd/system/rabbitmq-server.service; enabled; vendor preset: enabled)

Active: activating (auto-restart) (Result: exit-code) since Tue 2018-06-26 17:34:33 IST; 6ms ago

Process: 26951 ExecStop=/bin/sh -c while ps -p \$MAINPID >/dev/null 2>&1; do sleep 1; done (code=exited, status=0/SUCCESS)

Process: 26825  
ExecStop=/usr/lib/rabbitmq/bin/rabbitmqctl stop (code=exited, status=0/SUCCESS)

Process: 26606  
ExecStart=/usr/lib/rabbitmq/bin/rabbitmq-server (code=exited, status=1/FAILURE)

Main PID: 26606 (code=exited, status=1/FAILURE)

Jun 26 17:34:33 SDD-22 systemd[1]: Failed to start RabbitMQ broker.

Jun 26 17:34:33 SDD-22 systemd[1]: rabbitmq-server.service: Unit entered fa...e.

Jun 26 17:34:33 SDD-22 systemd[1]: rabbitmq-server.service: Failed with res...'

Hint: Some lines were ellipsized, use -l to show in full.

dpkg: error processing package rabbitmq-server (-configure):

subprocess installed post-installation script returned

error exit status 1  
Processing triggers for systemd (229-4ubuntu21.1) ...  
Processing triggers for ureadahead (0.100.0-19) ...  
Errors were encountered while processing:  
rabbitmq-server  
E: Sub-process /usr/bin/dpkg returned an error code (1)

---

**SUNIL**[↩ REPLY TO SUNIL](#)

June 6, 2018 at 12:17 pm

Awesome. Crisp and clear steps.

**NICKOLAS GRIGORCIUC**[↩ REPLY TO NICKOLAS](#)

April 26, 2018 at 12:48 pm

Thank you V.M. All perfect works 😊

**MEGHA**[↩ REPLY TO MEGHA](#)

April 19, 2018 at 2:24 pm

Thanks a ton! This helped me setup my RabbitMQ locally in a jiffy! 😊

**ANURAG**[↩ REPLY TO ANURAG](#)

April 16, 2018 at 5:39 am

hi can you help me with nginx config so that i can use RabbitMQ management web interface dashboard

**SAI**[↩ REPLY TO SAI](#)

March 8, 2018 at 2:53 pm

Hi Rahul,  
After installation, i got below issue. I am not able to start RabbitMq server.

-----

rabbitmq-server.service – RabbitMQ broker  
Loaded: loaded (/lib/systemd/system/rabbitmq-server.service; enabled; vendor preset: enabled)  
Active: inactive (dead) since Thu 2018-03-08 20:18:51 IST; 2min 21s ago

```
Process: 4222 ExecStop=/bin/sh -c while ps -p
$MAINPID >/dev/null 2>&1; do sleep 1; done
(code=exited, status=0/SUCCESS)
Process: 4044
ExecStop=/usr/lib/rabbitmq/bin/rabbitmqctl stop
(code=exited, status=0/SUCCESS)
Main PID: 3538 (code=exited, status=0/SUCCESS)
Status: "Initialized"
```

Starting broker...

```
: systemd unit for activation check: "rabbitmq-
server.service"
: Started RabbitMQ broker.
: completed with 0 plugins.
: Started RabbitMQ broker.
: Started RabbitMQ broker.
: Stopping RabbitMQ broker..
: Stopping and halting node `rabbit@stg-trident-app2'
: Gracefully halting Erlang VM
: Stopped RabbitMQ broker.
```

-----



**RAHUL K.**

↩ REPLY TO RAHUL

March 9, 2018 at 3:52 am

Try below command:

```
systemctl enable rabbitmq-server.service
```



**SAI**

↩ REPLY TO SAI

March 9, 2018 at 6:52 am

Hi Rahul,

Thanks for the Quick reply.

After this command also I got same issue.



**SAI**

↩ REPLY TO SAI

March 12, 2018 at 1:50 pm

Hi Rahul,

Thanks a lot , its working fine now.

**RUBEN**

January 21, 2018 at 12:13 pm





Thanks a lot!

↩ **REPLY TO RUBEN**

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**MEGHANA**

↩ **REPLY TO MEGHANA**

January 9, 2018 at 5:17 am

Hi rahul, while logging in the management console i'm getting User can only log in via localhost .

---



**KAMAL EL BAARARI**

↩ **REPLY TO KAMAL**

January 4, 2018 at 9:21 am

Hi Rahul, first of all, thank you so much, .I successfully installed rabbitmq, but when i will start it i have the problem "FAILED - check /var/log/rabbitmq/startup\_{log, \_err} [Fail]".

---



**SANJAY**

↩ **REPLY TO SANJAY**

December 29, 2017 at 5:00 am

I installed your following steps but can't access web management console please help me.

---



**RAHUL K.**

↩ **REPLY TO RAHUL**

December 30, 2017 at 4:10 am

What are you getting on the webpage? Any error message in the system log?

---



**DJAMEL**

↩ **REPLY TO DJAMEL**

December 4, 2017 at 8:50 am

Thank's a lot

---



**BLACK INT**

↩ **REPLY TO BLACK**

November 9, 2017 at 6:34 am

Thanks Rahul.

---



November 8, 2017 at 3:40 am

↩ **REPLY TO HIICY**

thank you very much .I successfully installed rabbitmq on Ubuntu 16.04 LTS,that's very useful !

---



**ANNE**

↩ **REPLY TO ANNE**

November 7, 2017 at 12:22 am

Thank you so much. I just installed rabbitmq successfully on Ubuntu 17.10.

---



**ALEKSEY**

↩ **REPLY TO ALEKSEY**

November 4, 2017 at 11:46 pm

Thanks a lot.

Just installed on my virtualbox guest machine (ubuntu 16.04.3).

All okay.

Will be nice to provide guide for plugin installation and maybe recommend some helpful plugins?

---



**SK**

↩ **REPLY TO SK**

October 24, 2017 at 9:56 am

Works 😊

---



**FRANCIS**

↩ **REPLY TO FRANCIS**

October 12, 2017 at 3:39 am

Worked like a charm, thank you.

---



**DARIO ZADRO**

↩ **REPLY TO DARIO**

September 11, 2017 at 4:23 pm

Great quick guide! However, you only need to install erlang-nox not the full erlang package. Thanks!

---



**SARA**

↩ **REPLY TO SARA**

July 21, 2017 at 6:23 am

Thanks TechAdmin ,You save my time

**TALREJA**[↩ REPLY TO TALREJA](#)

May 12, 2017 at 4:32 pm

Successfully installed rabbitmq on Ubuntu 16.04....  
Awesome post.. keep it up tecadmin

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