

# Install on RedHat

## Reference

- [Installing on RPM-based Linux \(RedHat Enterprise Linux, CentOS, Fedora, openSUSE\) — RabbitMQ](#)

## Using PackageCloud Yum Repository

### Quick-Install

Prerequisites: Internet connection

```
## Uses a PackageCloud-provided Yum repository setup script.  
## Always verify what is downloaded before piping it to a privileged shell!  
curl -s https://packagecloud.io/install/repositories/rabbitmq/rabbitmq-server/script.rpm.sh | sudo bash
```

### Manual-Install

Import the signing keys required

```
## primary RabbitMQ signing key  
rpm --import https://github.com/rabbitmq/signing-keys/releases/download/2.0/rabbitmq-release-signing-key.asc  
## modern Erlang repository  
rpm --import https://packagecloud.io/rabbitmq/erlang/gpgkey  
## RabbitMQ server repository  
rpm --import https://packagecloud.io/rabbitmq/rabbitmq-server/gpgkey
```

Add Yum Repositories for RabbitMQ and Modern Erlang

```
# In /etc/yum.repos.d/rabbitmq.repo  
  
##  
## Zero dependency Erlang  
##
```

```
[rabbitmq_erlang]
name=rabbitmq_erlang
baseurl=https://packagecloud.io/rabbitmq/erlang/el/8/$basearch
repo_gpgcheck=1
gpgcheck=1
enabled=1
# PackageCloud's repository key and RabbitMQ package signing key
gpgkey=https://packagecloud.io/rabbitmq/erlang/gpgkey
    https://github.com/rabbitmq/signing-keys/releases/download/2.0/rabbitmq-release-signing-key.asc
sslverify=1
sslcacert=/etc/pki/tls/certs/ca-bundle.crt
metadata_expire=300
```

```
[rabbitmq_erlang-source]
name=rabbitmq_erlang-source
baseurl=https://packagecloud.io/rabbitmq/erlang/el/8/SRPMS
repo_gpgcheck=1
gpgcheck=0
enabled=1
# PackageCloud's repository key and RabbitMQ package signing key
gpgkey=https://packagecloud.io/rabbitmq/erlang/gpgkey
    https://github.com/rabbitmq/signing-keys/releases/download/2.0/rabbitmq-release-signing-key.asc
sslverify=1
sslcacert=/etc/pki/tls/certs/ca-bundle.crt
metadata_expire=300
```

```
##
## RabbitMQ server
##
```

```
[rabbitmq_server]
name=rabbitmq_server
baseurl=https://packagecloud.io/rabbitmq/rabbitmq-server/el/8/$basearch
repo_gpgcheck=1
gpgcheck=0
enabled=1
# PackageCloud's repository key and RabbitMQ package signing key
gpgkey=https://packagecloud.io/rabbitmq/rabbitmq-server/gpgkey
    https://github.com/rabbitmq/signing-keys/releases/download/2.0/rabbitmq-release-signing-key.asc
sslverify=1
```

```
sslcert=/etc/pki/tls/certs/ca-bundle.crt
metadata_expire=300

[rabbitmq_server-source]
name=rabbitmq_server-source
baseurl=https://packagecloud.io/rabbitmq/rabbitmq-server/el/8/SRPMS
repo_gpgcheck=1
gpgcheck=0
enabled=1
gpgkey=https://packagecloud.io/rabbitmq/rabbitmq-server/gpgkey
sslverify=1
sslcert=/etc/pki/tls/certs/ca-bundle.crt
metadata_expire=300
```

## Install Packages with Yum

```
# Update Yum package metadata
yum update
yum -q makecache --disablerepo='*' --enablerepo='rabbitmq_erlang' --enablerepo='rabbitmq_server'

## install these dependencies from standard OS repositories
yum install socat logrotate

## install RabbitMQ and zero dependency Erlang from the above repositories,
## ignoring any versions provided by the standard repositories
yum install --repo rabbitmq_erlang --repo rabbitmq_server erlang rabbitmq-server
```

## Run RabbitMQ Server

```
systemctl status rabbitmq-server
systemctl stop rabbitmq-server
systemctl start rabbitmq-server
systemctl enable rabbitmq-server
```

### Check the status

Run: `rabbitmqctl status` or `rabbitmq-diagnostics status`

```
#> rabbitmq-diagnostics status
```

Status of node rabbit@tpeeaprmq98 ...

## Runtime

OS PID: 549246

OS: Linux

Uptime (seconds): 504837

Is under maintenance?: false

RabbitMQ version: 3.10.7

Node name: rabbit@tpeeaprmq98

Erlang configuration: Erlang/OTP 25 [erts-13.0.4] [source] [64-bit] [smp:2:2] [ds:2:2:10] [async-threads:1] [jit:ns]

Crypto library: OpenSSL 1.1.1k FIPS 25 Mar 2021

Erlang processes: 412 used, 1048576 limit

Scheduler run queue: 1

Cluster heartbeat timeout (net\_ticktime): 60

## Plugins

Enabled plugin file: /etc/rabbitmq/enabled\_plugins

Enabled plugins:

- \* rabbitmq\_mqtt
- \* rabbitmq\_management
- \* amqp\_client
- \* rabbitmq\_web\_dispatch
- \* cowboy
- \* cowlib
- \* rabbitmq\_management\_agent

## Data directory

Node data directory: /var/lib/rabbitmq/mnesia/rabbit@tpeeaprmq98

Raft data directory: /var/lib/rabbitmq/mnesia/rabbit@tpeeaprmq98/quorum/rabbit@tpeeaprmq98

## Config files

## Log file(s)

- \* /var/log/rabbitmq/rabbit@tpeeaprmq98.log

\* /var/log/rabbitmq/rabbit@tpeeaprmq98\_upgrade.log

\* <stdout>

## Alarms

(none)

## Memory

Total memory used: 0.1408 gb

Calculation strategy: rss

Memory high watermark setting: 0.4 of available memory, computed to: 1.526 gb

reserved\_unallocated: 0.0882 gb (62.67 %)

code: 0.0351 gb (24.97 %)

other\_proc: 0.0201 gb (14.28 %)

other\_system: 0.0139 gb (9.85 %)

other\_ets: 0.0032 gb (2.26 %)

plugins: 0.0018 gb (1.29 %)

atom: 0.0014 gb (1.01 %)

binary: 0.0009 gb (0.62 %)

metrics: 0.0006 gb (0.4 %)

mgmt\_db: 0.0003 gb (0.22 %)

mnesia: 0.0001 gb (0.07 %)

msg\_index: 0.0001 gb (0.07 %)

queue\_procs: 0.0 gb (0.03 %)

quorum\_ets: 0.0 gb (0.02 %)

connection\_other: 0.0 gb (0.01 %)

quorum\_queue\_dlx\_procs: 0.0 gb (0.0 %)

stream\_queue\_procs: 0.0 gb (0.0 %)

stream\_queue\_replica\_reader\_procs: 0.0 gb (0.0 %)

allocated\_unused: 0.0 gb (0.0 %)

connection\_channels: 0.0 gb (0.0 %)

connection\_readers: 0.0 gb (0.0 %)

connection\_writers: 0.0 gb (0.0 %)

queue\_slave\_procs: 0.0 gb (0.0 %)

quorum\_queue\_procs: 0.0 gb (0.0 %)

stream\_queue\_coordinator\_procs: 0.0 gb (0.0 %)

## File Descriptors

Total: 6, limit: 63903

Sockets: 0, limit: 57510

## Free Disk Space

Low free disk space watermark: 0.05 gb

Free disk space: 5.4187 gb

## Totals

Connection count: 0

Queue count: 2

Virtual host count: 3

## Listeners

Interface: [::], port: 15672, protocol: http, purpose: HTTP API

Interface: [::], port: 25672, protocol: clustering, purpose: inter-node and CLI tool communication

Interface: [::], port: 5672, protocol: amqp, purpose: AMQP 0-9-1 and AMQP 1.0

Interface: [::], port: 1883, protocol: mqtt, purpose: MQTT

# FAQ

## GPG Key Error

“ Errors during downloading metadata for repository 'rabbitmq\_server':  
- Curl error (35): SSL connect error for https://github.com/rabbitmq/signing-keys/releases/download/2.0/rabbitmq-release-signing-key.asc [OpenSSL  
SSL\_connect: SSL\_ERROR\_SYSCALL in connection to github.com:443 ]

Solution: ?????????????? github.com????????? GPG key ?????????????? /etc/pki/rpm-gpg  
???? /etc/yum.repos.d/rabbitmq.repo

# PackageCloud's repository key and RabbitMQ package signing key

gpgkey=https://packagecloud.io/rabbitmq/rabbitmq-server/gpgkey

file:///etc/pki/rpm-gpg/rabbitmq-release-signing-key.asc

# <https://github.com/rabbitmq/signing-keys/releases/download/2.0/rabbitmq-release-signing-key.asc>

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