

Monitoring & Management

CLI

rabbitmq-diagnostics

Online Resource Utilization

```
rabbitmq-diagnostics observer
```

RabbitMQ Version

```
[root@tpeeaprmq98 ~]# rabbitmq-diagnostics server_version
Asking node rabbit@tpeeaprmq98 for its RabbitMQ version...
3.10.7
```

Check the listener ports

```
rabbitmq-diagnostics -s listeners
```

rabbitmqctl

List the queues

```
rabbitmqctl -p <vhost-name> list_queues name state durable arguments policy
rabbitmqctl -qs -p <vhost-name> list_queues name > queue_names.lst
```

Quản lí user

- [Management Plugin — RabbitMQ](#)

```
# List all users
rabbitmqctl list_users

# Create a new user
rabbitmqctl add_user "eapuser"
```

```
rabbitmqctl add_vhost "eap_server"
rabbitmqctl set_permissions -p "eap_server" "eapuser" ".*" ".*" ".*"
rabbitmqctl set_user_tags eapuser monitoring # for web login only

# Remove tag 'monitoring' from user if needed
rabbitmqctl set_user_tags eapuser ""

# Tag the user with "administrator" for full management UI and HTTP API access
rabbitmqctl set_user_tags username administrator

## Verifying the permission
# => Listing permissions for vhost "/" ...
# => user    configure write read
# => user2    .* .* .*
# => guest    .* .* .*
# => temp-user .* .* .*
rabbitmqctl list_permissions --vhost /
rabbitmqctl list_permissions --vhost gw1

# Revoke user access
rabbitmqctl delete_user 'username'
```

Kiểm tra kết nối

```
rabbitmqctl list_connections
rabbitmqctl list_connections user,peer_host,peer_port,channels,state
```

Tạo lại virtual host

```
rabbitmqctl delete_vhost <my-vhost-name>
rabbitmqctl add_vhost <my-vhost-name>
```

Reset một RabbitMQ Node

⚠ The broker drops all virtual hosts, queues, exchanges, and non-administrative users.

```
rabbitmqctl stop_app
rabbitmqctl reset
```

```
rabbitmqctl start_app
```

Force Reset một RabbitMQ Node

```
rabbitmqctl stop_app  
rabbitmqctl force_reset  
rabbitmqctl start_app
```

Đóng băng tất cả listeners và các kết kết nối từ người dùng

```
# For current node  
rabbitmqctl suspend_listeners  
  
# suspends listeners on node rabbit@node2.cluster.rabbitmq.svc: it won't accept any new client connections  
rabbitmqctl suspend_listeners -n rabbit@node2.cluster.rabbitmq.svc  
  
# For current node, to resume all listeners on a node and make it accept new client connections again  
rabbitmqctl resume_listeners  
# resumes listeners on node rabbit@node2.cluster.rabbitmq.svc: it will accept new client connections again  
rabbitmqctl resume_listeners -n rabbit@node2.cluster.rabbitmq.svc
```

rabbitmqadmin

Basic Operation

```
# List queues  
rabbitmqadmin list queues  
rabbitmqadmin -H <RabbitMQ-Server-IP> -u <username> -p <password> -V <vhost-name> list queues  
  
# Add a queue with optional parameters  
rabbitmqadmin declare queue name=<my-new-queue> durable=true auto_delete=true
```

Remove multiple queues

```
rabbitmqadmin -f tsv -q list queues name > q.txt  
while read -r name; do rabbitmqadmin -q delete queue name="${name}"; done < q.txt
```

Connections

```
rabbitmqadmin -H <RabbitMQ-Server-IP> -u <username> -p <password> -V <vhost-name> list connections  
name
```

```
# Close multiple connections without any channels
rabbitmqadmin -f tsv -q connections name channels | awk -F "\t" '($2 < 1) {print $1}' | tee conn_noChannels.lst
while read -r conn;do rabbitmqadmin close connection name="${conn}"; done < conn_noChannels.lst
```

Monitoring

Health-Check

```
rabbitmq-diagnostics check_running
rabbitmq-diagnostics ping
```

Queue State

```
rabbitmqctl list_queues name state
```

Cluster Status

```
rabbitmqctl cluster_status
```

Monitor with Prometheus

- [Monitoring with Prometheus & Grafana — RabbitMQ](#)
- [First steps | Prometheus](#)

RabbitMQ Configuration

```
# Enable the plugin rabbitmq_prometheus
rabbitmq-plugins enable rabbitmq_prometheus

# To confirm that RabbitMQ now exposes metrics in Prometheus format
curl -s localhost:15692/metrics | head -n 10
```

Prometheus Configuration

/etc/hosts:

```
<node1.ip.addr> rmq01
<node2.ip.addr> rmq02
```

```
<node3.ip.addr>[]rmq03
```

prometheus.yml:

```
scrape_configs:
  - job_name: rabbitmq

  # Override the global default and scrape targets from this job every 5 seconds.
  scrape_interval: 15s

static_configs:
  - targets: ['rmq01:15692', 'rmq02:15692', 'rmq03:15692']
```

Grafana Configuration

- [RabbitMQ Overview | Grafana Labs](#)
- [Dashboard: RabbitMQ-Overview](#)

Dashboard: RabbitMQ-Overview

- Download: <https://grafana.com/grafana/dashboards/10991-rabbitmq-overview/>
- Plugins
 - Stat (built-in)
 - Table (built-in)
 - Time series (built-in)

Mời cà phê

Nếu cảm thấy blog mang đến những thông tin hữu ích cho công việc, cuộc sống, đam mê của bạn, đừng ngại ủng hộ một ly cà phê để mình có thêm động lực chia sẻ thêm nhiều kinh nghiệm, kiến thức nhé.

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Phiên bản #1

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