2.1 RabbitMQ安装

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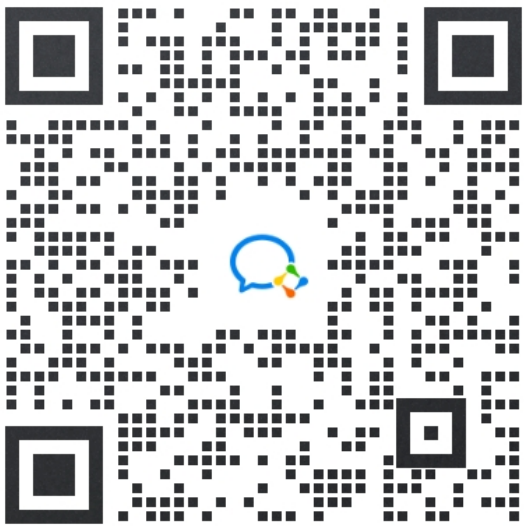


Ubuntu 环境安装

RabbitMQ已经包含在标准的Ubuntu仓库中, 然而，包含的版本通常比最新的RabbitMQ发行版落后很多，可能提供的RabbitMQ版本已经不支持. RabbitMQ团队制作了自己的软件包，并使用Cloudsmith进行分发

具体操作可以参考: Installing on Debian and Ubuntu | RabbitMQ

由于该种方法安装比较复杂, 学习阶段, 咱们使用Ubuntu仓库中的版本来安装

一. 安装Erlang

RabbitMq需要Erlang语言的支持，在安装rabbitMq之前需要安装erlang

```
#更新软件包
sudo apt-get update

#安装erlang
sudo apt-get install erlang
```

查看erlang版本

```
root@hcss-ecs-0bb1:~# erl
Erlang/OTP 22 [erts-10.6.4] [source] [64-bit] [smp:2:2] [ds:2:2:10] [async-threads:1]

Eshell V10.6.4  (abort with ^G)

```

> 退出命令:
>
> ```
> halt().
> ```

二. 安装RabbitMQ

```
#更新软件包
sudo apt-get update

#安装rabbitmq
sudo apt-get install rabbitmq-server

#确认安装结果
systemctl status rabbitmq-server
```

确认安装结果

```
root@hcss-ecs-0bb1:~# systemctl status rabbitmq-server
```

```
● rabbitmq-server.service - RabbitMQ Messaging Server
     Loaded: loaded (/lib/systemd/system/rabbitmq-server.service; enabled; vendor preset: enabled)
     Active: active (running) since Wed 2024-04-10 16:03:40 CST; 26min ago
   Main PID: 83173 (beam.smp)
     Status: "Initialized"
      Tasks: 87 (limit: 2025)
     Memory: 84.5M
     CGroup: /system.slice/rabbitmq-server.service
             ├─83169 /bin/sh /usr/sbin/rabbitmq-server
             ├─83173 /usr/lib/erlang/erts-10.6.4/bin/beam.smp -W w -A 64 -MBas ageffcbf -MHas ageffcbf -MBlmbcs 512 -MHlmbcs 512 -MMmcs 30 -P 1048576 -t 5000000 -stbt >
             ├─83431 erl_child_setup 65536
             ├─83456 inet_gethost 4
             └─83457 inet_gethost 4

Apr 10 16:03:37 hcss-ecs-0bb1 systemd[1]: Starting RabbitMQ Messaging Server...

```

三. 安装RabbitMQ管理界面

默认是不安装管理界面的

```
root@hcss-ecs-0bb1:~# rabbitmq-plugins enable rabbitmq_management
Enabling plugins on node rabbit@hcss-ecs-0bb1:
rabbitmq_management
The following plugins have been configured:
  rabbitmq_management
  rabbitmq_management_agent
  rabbitmq_web_dispatch
Applying plugin configuration to rabbit@hcss-ecs-0bb1...
The following plugins have been enabled:
  rabbitmq_management
  rabbitmq_management_agent
  rabbitmq_web_dispatch

started 3 plugins.
root@hcss-ecs-0bb1:~#

```

四. 启动服务并访问

1. 启动服务

若服务已经启动了, 此步省略

```
#启动rabbitmq
sudo service rabbitmq-server start

```

查看服务状态

```
root@hcss-ecs-0bb1:~# systemctl status rabbitmq-server
● rabbitmq-server.service - RabbitMQ Messaging Server
     Loaded: loaded (/lib/systemd/system/rabbitmq-server.service; enabled; vendor preset: enabled)
     Active: active (running) since Wed 2024-04-10 16:03:40 CST; 26min ago
   Main PID: 83173 (beam.smp)
     Status: "Initialized"
      Tasks: 87 (limit: 2025)
     Memory: 84.5M
     CGroup: /system.slice/rabbitmq-server.service
             ├─83169 /bin/sh /usr/sbin/rabbitmq-server
             ├─83173 /usr/lib/erlang/erts-10.6.4/bin/beam.smp -W w -A 64 -MBas ageffcbf -MHas ageffcbf -MBlmbcs 512 -MHlmbcs 512 -MMmcs 30 -P 1048576 -t 5000000 -stbt >
             ├─83431 erl_child_setup 65536
             ├─83456 inet_gethost 4
             └─83457 inet_gethost 4

Apr 10 16:03:37 hcss-ecs-0bb1 systemd[1]: Starting RabbitMQ Messaging Server...

```

2. 通过 `IP:port` 访问界面

http://110.41.51.65:15672/ (15672 为默认端口号, 云服务器需要开启端口))

默认用户名和密码都是: guest

rabbitmq从3.3.0开始禁止使用guest/guest权限通过除localhost外的访问, 解除方法也有, 此处不多说

3. 添加管理员用户

a) 添加用户admin, 密码:admin

```
# rabbitmqctl add_user ${账号}  ${密码}
rabbitmqctl add_user admin admin
```

执行成功

```
root@hcss-ecs-0bb1:~# rabbitmqctl add_user admin admin
Adding user "admin" ...
root@hcss-ecs-0bb1:~#
```

b) 给用户添加权限

```
#rabbitmqctl set_user_tags ${账号} ${角色名称}
rabbitmqctl set_user_tags admin administrator

```

> 以下角色可选
>
> RabbitMQ用户角色分为Administrator、Monitoring、Policymaker、Management、Impersonator、None共六种角色
>
> 1. Administrator 超级管理员，可登陆管理控制台(启用management plugin的情况下)，可查看所有的信息，并且可以对用户，策略(policy)进行操作
> 2. Monitoring 监控者，可登陆管理控制台(启用management plugin的情况下)，同时可以查看rabbitmq节点的相关信息(进程数，内存使用情况，磁盘使用情况等)。
> 3. Policymaker 策略制定者，可登陆管理控制台(启用management plugin的情况下)，同时可以对policy进行管理。但无法查看节点的相关信息.

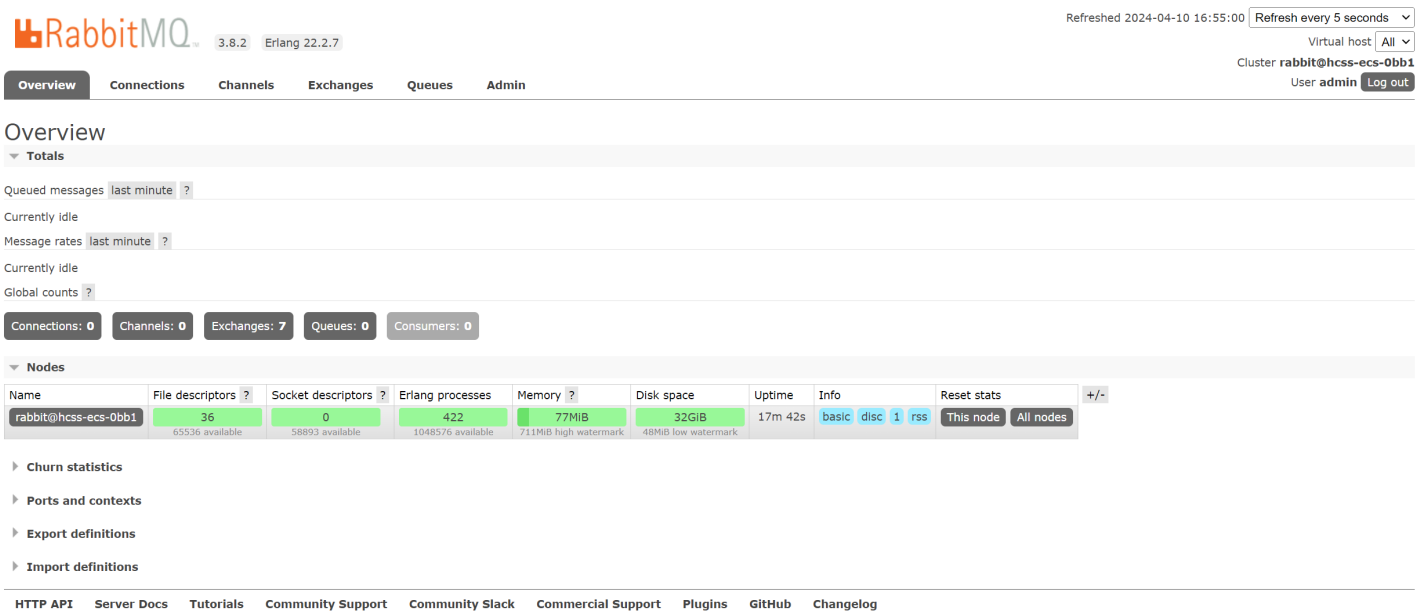
4. Management 普通管理者，仅可登陆管理控制台(启用management plugin的情况下)，无法看到节点信息，也无法对策略进行管理.
5. Impersonator 模拟者，无法登录管理控制台。
6. None 其他用户，无法登陆管理控制台，通常就是普通的生产者和消费者。

执行成功

```
root@hcss-ecs-0bb1:~# rabbitmqctl set_user_tags admin administrator
Setting tags for user "admin" to [administrator] ...
root@hcss-ecs-0bb1:~#
```

c) 通过IP:port访问, 并使用刚才设置的用户名和密码登录

http://110.41.51.65:15672



CentOS 安装

一. 安装Erlang

1. 查看系统版本

```
[root@VM-0-17-centos ~]# cat /etc/redhat-release
CentOS Linux release 7.9.2009 (Core)
[root@VM-0-17-centos ~]#
```

2. 下载 `Erlang` 的 `rpm` 包

可以直接把提前下载的安装包 `erlang-XXX.rpm` 上传到 `Linux` 服务器, 也可以采用下面的方式直接下载到Linux服务器(下载比较慢)

从https://packagecloud.io/rabbitmq/erlang 选择希望安装的rpm包, 进行下载

> Erlang环境一定要与RabbitMQ版本匹配: https://www.rabbitmq.com/which-erlang.html
>
> Erlang的rpm包: https://packagecloud.io/rabbitmq/erlang ,注意看系统对应, el7为Centor7, el8为Centor8

```
[root@VM-0-17-centos ~]# wget --content-disposition "https://packagecloud.io/rabbitmq/erlang/packages/el/7/erlang-23.3.4.11-1.el7.x86_64.rpm/download.rpm?distro_version_id=140"
--2024-04-11 16:23:21-- https://packagecloud.io/rabbitmq/erlang/packages/el/7/erlang-23.3.4.11-1.el7.x86_64.rpm/download.rpm?distro_version_id=140

//...

100% [==========================================================================================================>] 20,355,564  353KB/s   in 27s

2024-04-11 16:24:58 (744 KB/s) - ‘erlang-23.3.4.11-1.el7.x86_64.rpm.1’ saved [20355564/20355564]

[root@VM-0-17-centos ~]#
```

3. 安装 `Erlang`

```
[root@VM-24-3-centos ~]# yum localinstall erlang-23.3.4.11-1.el7.x86_64.rpm
```

执行结果如下:

中间执行暂停, 输入 `y`

```
[root@VM-0-17-centos ~]# yum localinstall erlang-23.3.4.11-1.el7.x86_64.rpm
Loaded plugins: fastestmirror, langpacks
Repository epel is listed more than once in the configuration
Examining erlang-23.3.4.11-1.el7.x86_64.rpm: erlang-23.3.4.11-1.el7.x86_64
```

```
Marking erlang-23.3.4.11-1.el7.x86_64.rpm to be installed

//...


Total size: 34 M
Installed size: 34 M
Is this ok [y/d/N]: y
Downloading packages:
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
  Installing : erlang-23.3.4.11-1.el7.x86_64

                                   1/1
  Verifying  : erlang-23.3.4.11-1.el7.x86_64

                                   1/1

Installed:
  erlang.x86_64 0:23.3.4.11-1.el7



Complete!
```

4. 确认Erlang安装成功

```
[root@VM-0-17-centos ~]# erl
Erlang/OTP 23 [erts-11.2.2.10] [source] [64-bit] [smp:2:2] [ds:2:2:10] [async-threads:1] [hipe]

Eshell V11.2.2.10  (abort with ^G)

```

二. 安装 `RabbitMQ`

1. 下载 `RabbitMQ` 客户端

可以直接把提前下载的安装包 `rabbitmq-server-3.8.30-1.el7.noarch.rpm` 上传到Linux服务器,也可以采用下面的方式,直接下载到Linux服务器上(下载会比较慢)

从https://packagecloud.io/rabbitmq/rabbitmq-server 选择希望安装的rpm包, 进行下载

```
[root@VM-0-17-centos ~]# wget --content-disposition "https://packagecloud.io/rabbitmq/rabbitmq-server/packages/el/7/rabbitmq-server-3.8.30-1.el7.noarch.rpm/download.rpm?distro_version_id=140"
--2024-04-11 16:21:28--  https://packagecloud.io/rabbitmq/rabbitmq-server/packages/el/7/rabbitmq-server-3.8.30-1.el7.noarch.rpm/download.rpm?distro_version_id=140

//...

100% [==========================================================================================================>] 15,933,287  104KB/s   in 51s

2024-04-11 16:22:06 (303 KB/s) - ‘rabbitmq-server-3.8.30-1.el7.noarch.rpm.1’ saved [15933287/15933287]

[root@VM-24-3-centos ~]#
```

2. 安装 `RabbitMQ` 客户端

导入签名秘钥(`yum` 会验证它安装的包的签名)

```
rpm --import https://www.rabbitmq.com/rabbitmq-release-signing-key.asc
```

使用 `yum` 进行安装

```
yum localinstall rabbitmq-server-3.8.30-1.el7.noarch.rpm
```

安装成功(中间输入 `y`)

```
[root@VM-0-17-centos ~]# yum localinstall rabbitmq-server-3.8.30-1.el7.noarch.rpm
Loaded plugins: fastestmirror, langpacks

//...

Total size: 16 M
Total download size: 290 k
```

```
Installed size: 17 M
Is this ok [y/d/N]: y
Downloading packages:

//...



Complete!
[root@VM-0-17-centos ~]#
```

三. 安装 RabbitMQ 管理界面

默认是不安装管理界面的

```
rabbitmq-plugins enable rabbitmq_management
```

执行结果

```
[root@VM-0-17-centos ~]# rabbitmq-plugins enable rabbitmq_management
Enabling plugins on node rabbit@VM-0-17-centos:
rabbitmq_management
The following plugins have been configured:
  rabbitmq_management
  rabbitmq_management_agent
  rabbitmq_web_dispatch
Applying plugin configuration to rabbit@VM-0-17-centos...
The following plugins have been enabled:
  rabbitmq_management
  rabbitmq_management_agent
  rabbitmq_web_dispatch

set 3 plugins.
Offline change; changes will take effect at broker restart.
[root@VM-0-17-centos ~]#

```

四. 启动服务并访问

1. 启动服务

```
[root@VM-0-17-centos ~]# service rabbitmq-server start
Redirecting to /bin/systemctl start rabbitmq-server.service
[root@VM-0-17-centos ~]#
```

查看服务状态

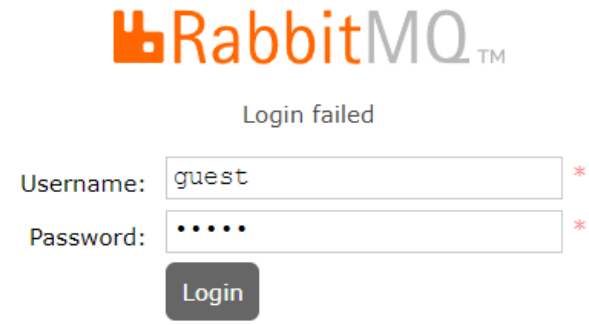
```
[root@VM-0-17-centos ~]# service rabbitmq-server status
Redirecting to /bin/systemctl status rabbitmq-server.service
● rabbitmq-server.service - RabbitMQ broker
   Loaded: loaded (/usr/lib/systemd/system/rabbitmq-server.service; disabled; vendor preset: disabled)
   Active: active (running) since Thu 2024-04-11 17:12:36 CST; 22s ago
 Main PID: 24298 (beam.smp)
   Status: "Initialized"
   CGroup: /system.slice/rabbitmq-server.service
           ├─24298 /usr/lib64/erlang/erts-11.2.2.10/bin/beam.smp -W w -MBas ageffcbf -MHas ageffcbf -MBlmbcs 512 -MHlmbcs 512 -MMmcs 30 -P 1048576 -t 5000000 -stbt db -zdbbl 128000 -sbwt none...
           ├─24313 erl_child_setup 32768
           ├─24366 inet_gethost 4
           └─24367 inet_gethost 4

Apr 11 17:12:32 VM-0-17-centos rabbitmq-server[24298]: TLS Library: OpenSSL - OpenSSL 1.0.2k-fips  26 Jan 2017
Apr 11 17:12:32 VM-0-17-centos rabbitmq-server[24298]: Doc guides: https://rabbitmq.com/documentation.html
Apr 11 17:12:32 VM-0-17-centos rabbitmq-server[24298]: Support: https://rabbitmq.com/contact.html
Apr 11 17:12:32 VM-0-17-centos rabbitmq-server[24298]: Tutorials: https://rabbitmq.com/getstarted.html
Apr 11 17:12:32 VM-0-17-centos rabbitmq-server[24298]: Monitoring: https://rabbitmq.com/monitoring.html
Apr 11 17:12:32 VM-0-17-centos rabbitmq-server[24298]: Logs: /var/log/rabbitmq/rabbit@VM-0-17-centos.log
Apr 11 17:12:32 VM-0-17-centos rabbitmq-server[24298]: /var/log/rabbitmq/rabbit@VM-0-17-centos_upgrade.log
Apr 11 17:12:32 VM-0-17-centos rabbitmq-server[24298]: Config file(s): (none)
Apr 11 17:12:36 VM-0-17-centos rabbitmq-server[24298]: Starting broker... completed with 3 plugins.
Apr 11 17:12:36 VM-0-17-centos systemd[1]: Started RabbitMQ broker.
[root@VM-0-17-centos ~]#

```

2. 通过`IP:port`访问界面

http://162.14.71.227:15672/ (15672 为默认端口号, 云服务器需要开启端口)

默认用户名和密码都是: guest

rabbitmq从3.3.0开始禁止使用guest/guest权限通过除localhost外的访问, 解除方法也有, 此处不多说



3. 添加管理员用户

a) 添加用户admin, 密码:admin

```
# rabbitmqctl add_user ${账号}  ${密码}
rabbitmqctl add_user admin admin
```

执行情况:

```
[root@VM-0-17-centos ~]# rabbitmqctl add_user admin admin
Adding user "admin" ...
Done. Don't forget to grant the user permissions to some virtual hosts! See 'rabbitmqctl help set_permissions' to learn more.
[root@VM-0-17-centos ~]#
```

b) 给用户添加权限

```
#rabbitmqctl set_user_tags ${账号} ${角色名称}
```

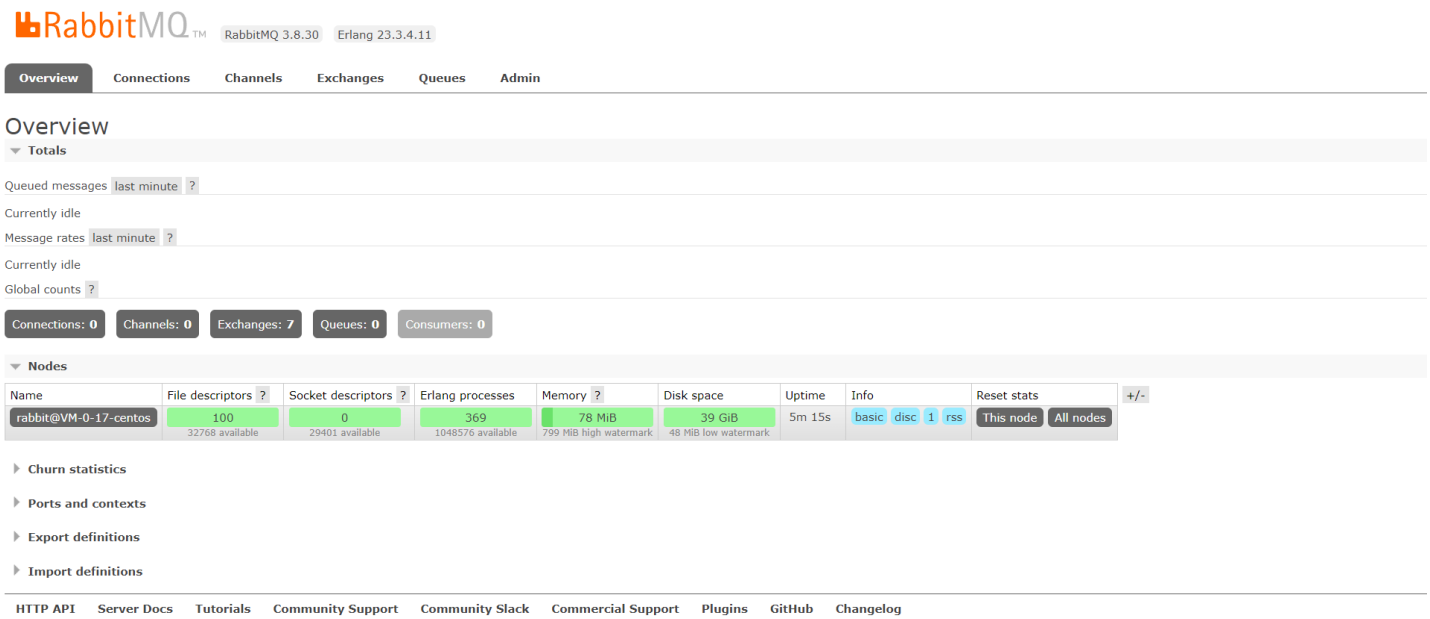
> 以下角色可选
>
> RabbitMQ用户角色分为Administrator、Monitoring、Policymaker、Management、Impersonator、None共六种角色
>
> 1. Administrator 超级管理员，可登陆管理控制台(启用management plugin的情况下)，可查看所有的信息，并且可以对用户，策略(policy)进行操作
> 2. Monitoring 监控者，可登陆管理控制台(启用management plugin的情况下)，同时可以查看rabbitmq节点的相关信息(进程数，内存使用情况，磁盘使用情况等)。
> 3. Policymaker 策略制定者，可登陆管理控制台(启用management plugin的情况下)，同时可以对policy进行管理。但无法查看节点的相关信息.
> 4. Management 普通管理者，仅可登陆管理控制台(启用management plugin的情况下)，无法看到节点信息，也无法对策略进行管理.
> 5. Impersonator 模拟者，无法登录管理控制台。
> 6. None 其他用户，无法登陆管理控制台，通常就是普通的生产者和消费者。

执行成功

```
[root@VM-0-17-centos ~]# rabbitmqctl set_user_tags admin administrator
Setting tags for user "admin" to [administrator] ...
[root@VM-0-17-centos ~]#
```

c) 通过IP:port访问, 并使用刚才设置的用户名和密码登录

http://162.14.71.227:15672/



Docker 安装

一. 采用docker安装

在这里获取镜像的时候, 我们获取management版本的, management版本的带有管理界面

```
#查询镜像
docker search rabbitmq:management

#获取镜像
docker pull rabbitmq:management

#运行镜像
docker run -d -p 5672:5672 -p 15672:15672 --name rabbitmq rabbitmq:management

#查看正在运行的容器
docker ps

#进入容器内部
docker exec -it 容器ID /bin/bash
```

> docker run -d -p 5672:5672 -p 15672:15672 --name rabbitmq rabbitmq:management
>
> -d 后台运行容器
>
> -p 指定服务运行的端口. 外网端口: docker内部端口
>
> --name 指定容器名

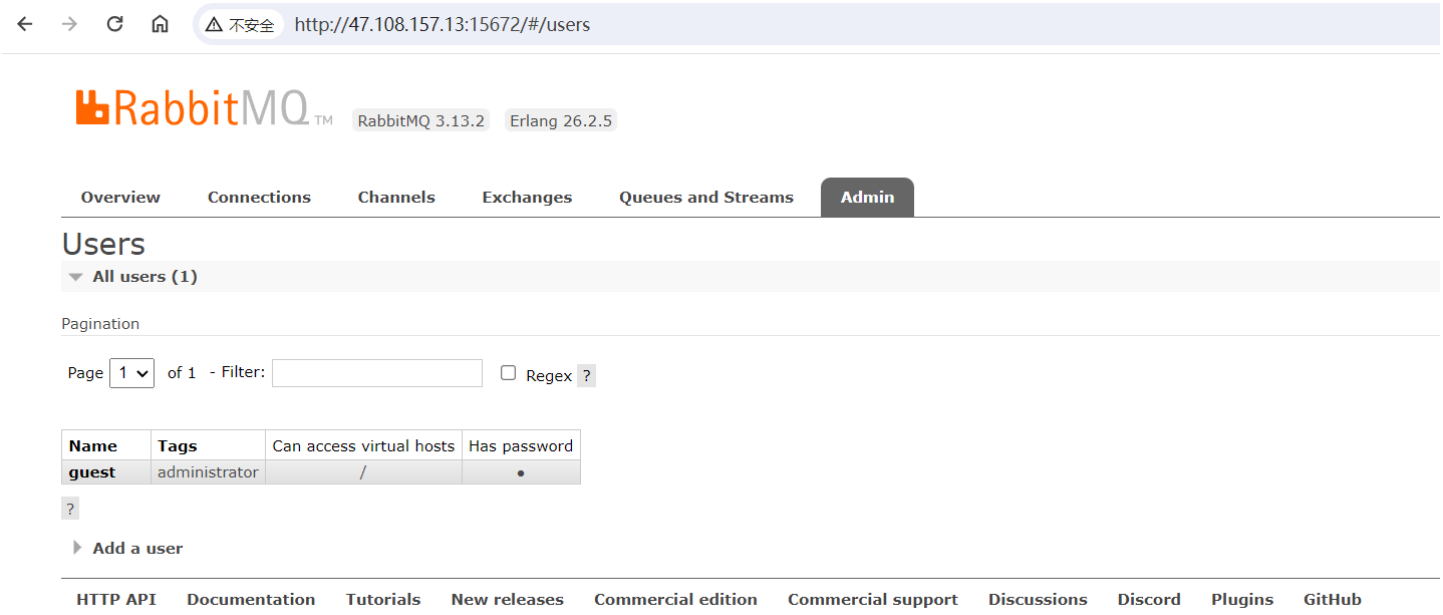
执行结果

```
root@iZ2vc7a1n9gvhfp589oav7Z:~# docker search rabbitmq:management
NAME                                DESCRIPTION
      STARS     OFFICIAL
macintoshplus/rabbitmq-management   Based on rabbitmq:management whit python
and…   10
transmitsms/rabbitmq-sharded        Fork of rabbitmq:management with
sharded_exc…   0
herostudy/rabbitmq                  Based on official rabbitmq:management
image.…   0
root@iZ2vc7a1n9gvhfp589oav7Z:~# docker pull rabbitmq:management
management: Pulling from library/rabbitmq
a8b1c5f80c2d: Pull complete
4dedb6d843e5: Pull complete
5c1196c9f92f: Pull complete
89aa66202de9: Pull complete
7482e2b5f1fd: Pull complete
cae0f9147f71: Pull complete
```

```
5e8608f82ef5: Pull complete
76a071de98b9: Pull complete
140f907150d0: Pull complete
53c7a9878ba6: Pull complete
Digest: sha256:eee9afbc17c32424ba6309dfd2d9efc9b9b1863ffe231b3d2be2815758b0d649
Status: Downloaded newer image for rabbitmq:management
docker.io/library/rabbitmq:management
root@iZ2vc7a1n9gvhfp589oav7Z:~# docker run -d -p 5672:5672 -p 15672:15672 --name rabbitmq rabbitmq:management
0de8630779825535214ae2d1374d8d6b93544dd8efea1a8c7cc104adee4fc0f1
root@iZ2vc7a1n9gvhfp589oav7Z:~#
```

二. 访问管理界面

使用guest guest登录



三. 添加用户

```
#查看正在运行的容器
docker ps

#进入容器内部
docker exec -it 容器ID /bin/bash

#添加用户admin
rabbitmqctl add_user admin admin

#给用户授权
```

```
rabbitmqctl set_user_tags admin administrator
```

执行结果:

```
root@iZ2vc7a1n9gvhfp589oav7Z:~# docker ps
CONTAINER ID   IMAGE                  COMMAND                  CREATED
STATUS          PORTS

         NAMES
0de863077982   rabbitmq:management   "docker-entrypoint.s…"   36 minutes ago
Up 36 minutes   4369/tcp, 5671/tcp, 0.0.0.0:5672->5672/tcp, :::5672->5672/tcp,
15671/tcp, 15691-15692/tcp, 25672/tcp, 0.0.0.0:15672->15672/tcp, :::15672-
>15672/tcp   rabbitmq
root@iZ2vc7a1n9gvhfp589oav7Z:~# docker exec -it 0de863077982 /bin/bash
root@0de863077982:/# rabbitmqctl add_user admin admin
Adding user "admin" ...
Done. Don't forget to grant the user permissions to some virtual hosts! See
'rabbitmqctl help set_permissions' to learn more.
root@0de863077982:/# rabbitmqctl set_user_tags admin administrator
Setting tags for user "admin" to [administrator] ...
root@0de863077982:/#
```

其他操作

一. 修改端口号

1. 查找rabbitmq位置

```
[lucf@VM-8-12-centos ~]$ whereis rabbitmq
rabbitmq: /usr/lib/rabbitmq /etc/rabbitmq
```

2. 新增配置文件rabbitmq.conf

(在/etc/rabbitmq路径下创建rabbitmq.conf文件, 并添加以下内容)

```
#修改client端口为8942(默认为5672)
listeners.tcp.default=8942
#修改管理界面端口为8943(默认为15672)
management.tcp.port=8943
```

3. 修改rabbitmq-defaults文件，添加配置文件路径

文件路径: /usr/lib/rabbitmq/lib/rabbitmq_server-3.8.30/sbin/rabbitmq-defaults

编辑rabbitmq-defaults, 在文本最后添加如下代码

```
#添加配置路径到文件中，保存退出
CONFIG_FILE=/etc/rabbitmq/rabbitmq.conf
```

```
CLEAN_BOOT_FILE=start_clean
SASL_BOOT_FILE=start_sasl
BOOT_MODULE="rabbit"

if test -z "$CONF_ENV_FILE" && test -z "$RABBITMQ_CONF_ENV_FILE"; then
    CONF_ENV_FILE=${SYS_PREFIX}/etc/rabbitmq/rabbitmq-env.conf
fi

CONFIG_FILE=/etc/rabbitmq/rabbitmq.conf
~
```

4. 重启RabbitMQ

1. Ubuntu

```
sudo systemctl restart rabbitmq-server
```

2. CentOS

```
sudo service rabbitmq-server restart
```

二. 服务相关操作

1. CentOS

```
#启动服务
service rabbitmq-server start

#停止服务
sudo systemctl stop rabbitmq-server

```

```
#重启服务
service rabbitmq-server restart

#添加开机启动服务
chkconfig rabbitmq-server on
```

2. Ubuntu

```
#启动服务
sudo systemctl start rabbitmq-server

#停止服务
sudo systemctl stop rabbitmq-server

#重启服务
sudo systemctl restart rabbitmq-server

#添加开机启动服务
sudo systemctl enable rabbitmq-server

#检查服务状态
sudo systemctl status rabbitmq-server
```

三. 卸载RabbitMQ

1. Ubuntu

1.1 停止RabbitMQ服务

```
sudo systemctl stop rabbitmq-server
```

1.2 查找RabbitMQ安装情况

```
dpkg -l | grep rabbitmq
```

1.3 卸载rabbitmq已安装的相关内容

```
sudo apt-get purge --auto-remove rabbitmq-server
```

1.4 卸载Erlang

1. 查看erlang安装的相关列表

```
dpkg -l | grep erlang
```

2. 卸载erlang已安装的相关内容

```
sudo apt-get purge --auto-remove erlang
```

2. CentOS

2.1 停止RabbitMQ服务

```
service rabbitmq-server stop
```

2.2 查看RabbitMQ安装列表

```
yum list|grep rabbitmq
```

执行结果:

```
[root@VM-8-12-centos ~]# yum list|grep rabbitmq
Repository epel is listed more than once in the configuration
rabbitmq-server.noarch                      3.8.30-1.el7           @/rabbitmq-server-3.8.30-1.el7.noarch
librabbitmq.i686                            0.8.0-3.el7            os
librabbitmq.x86_64                          0.8.0-3.el7            os
librabbitmq-devel.i686                      0.8.0-3.el7            os
librabbitmq-devel.x86_64                    0.8.0-3.el7            os
```

```
librabbitmq-examples.x86_64                0.8.0-3.el7            os
opensips-event_rabbitmq.x86_64             1.10.5-4.el7           epel
rabbitmq-java-client.noarch                3.6.0-1.el7            epel
rabbitmq-java-client-doc.noarch            3.6.0-1.el7            epel
rabbitmq-java-client-javadoc.noarch        3.6.0-1.el7            epel
[root@VM-8-12-centos ~]#
```

2.3 卸载rabbitmq已安装的相关内容

```
yum -y remove rabbitmq-server.noarch
```

执行结果

```
[root@VM-8-12-centos ~]# yum -y remove rabbitmq-server.noarch
Loaded plugins: fastestmirror, langpacks
Repository epel is listed more than once in the configuration
Resolving Dependencies
--> Running transaction check
---> Package rabbitmq-server.noarch 0:3.8.30-1.el7 will be erased
--> Finished Dependency Resolution
centos-sclo-rh/x86_64
                                 | 3.0 kB  00:00:00
centos-sclo-sclo/x86_64
                                 | 3.0 kB  00:00:00
docker-ce-stable/7/x86_64
                                 | 3.5 kB  00:00:00
epel/7/x86_64
                                 | 4.7 kB  00:00:00
extras/7/x86_64
                                 | 2.9 kB  00:00:00
os/7/x86_64
                                 | 3.6 kB  00:00:00
updates/7/x86_64
                                 | 2.9 kB  00:00:00

Dependencies Resolved

```

```
18 ================================================================================
   ================================================
19  Package                      Arch               Version
   Repository                                         Size
20 ================================================================================
   ================================================
21 Removing:
22  rabbitmq-server              noarch             3.8.30-1.el7
   @/rabbitmq-server-3.8.30-1.el7.noarch              16 M
23
24 Transaction Summary
25 ================================================================================
   ================================================
26 Remove  1 Package
27
28 Installed size: 16 M
29 Downloading packages:
30 Running transaction check
31 Running transaction test
32 Transaction test succeeded
33 Running transaction
34   Erasing    : rabbitmq-server-3.8.30-1.el7.noarch
                                                      1/1
35   Verifying  : rabbitmq-server-3.8.30-1.el7.noarch
                                                      1/1
36
37 Removed:
38   rabbitmq-server.noarch 0:3.8.30-1.el7

39
40 Complete!
41 [root@VM-8-12-centos ~]#
```

2.4 删除RabbitMQ相关文件

```
1 [root@VM-8-12-centos lib64]# rm -rf /var/lib/rabbitmq/
2 [root@VM-8-12-centos lib64]# rm -rf /usr/local/rabbitmq
```

2.5 卸载Erlang

1. 查看erlang安装的相关列表

```
1 yum list | grep erlang
```

执行结果

```
[root@VM-8-12-centos ~]#  yum list | grep erlang
Repository epel is listed more than once in the configuration
erlang.x86_64                               23.3.4.11-1.el7        @/erlang-23.3.4.11-1.el7.x86_64
emacs-erlang.noarch                         R16B-03.18.el7         epel
emacs-erlang-el.noarch                      R16B-03.18.el7         epel
erlang-appmon.x86_64                        R16B-03.18.el7         epel
erlang-asn1.x86_64                          R16B-03.18.el7         epel
erlang-common_test.x86_64                   R16B-03.18.el7         epel
erlang-compiler.x86_64                      R16B-03.18.el7         epel
erlang-snappy.x86_64                        1.0.3-0.4.git80db168.el7
xemacs-erlang.noarch                        R16B-03.18.el7         epel
xemacs-erlang-el.noarch                     R16B-03.18.el7         epel
[root@VM-8-12-centos ~]#
```

注: `yum list` 显示已安装或者未安装的程序, @后面表示已安装, 也可以使用 `yum list installed | grep erlang` 现在已安装的 `erlang` 相关程序

2. 卸载erlang已安装的相关内容

```
yum -y remove erlang.x86_64
```

执行结果:

```
[root@VM-8-12-centos ~]# yum -y remove erlang.x86_64
Loaded plugins: fastestmirror, langpacks
Repository epel is listed more than once in the configuration
Resolving Dependencies
--> Running transaction check
---> Package erlang.x86_64 0:23.3.4.11-1.el7 will be erased
--> Finished Dependency Resolution
```

```
 8
 9 Dependencies Resolved
10
11 ================================================================================
   ================================================
12  Package               Arch                  Version
   Repository                                    Size
13 ================================================================================
   ================================================
14 Removing:
15  erlang                x86_64                23.3.4.11-1.el7
   @/erlang-23.3.4.11-1.el7.x86_64                34 M
16
17 Transaction Summary
18 ================================================================================
   ================================================
19 Remove  1 Package
20
21 Installed size: 34 M
22 Downloading packages:
23 Running transaction check
24 Running transaction test
25 Transaction test succeeded
26 Running transaction
27   Erasing    : erlang-23.3.4.11-1.el7.x86_64
                                                    1/1
28   Verifying  : erlang-23.3.4.11-1.el7.x86_64
                                                    1/1
29
30 Removed:
31   erlang.x86_64 0:23.3.4.11-1.el7

32
33 Complete!
34 [root@VM-8-12-centos ~]#
```

3. 删除Erlang相关文件

```
1 [root@VM-8-12-centos lib64]# rm -rf /usr/lib64/erlang/
2 [root@VM-8-12-centos lib64]# rm -rf /usr/local/erlang
```