

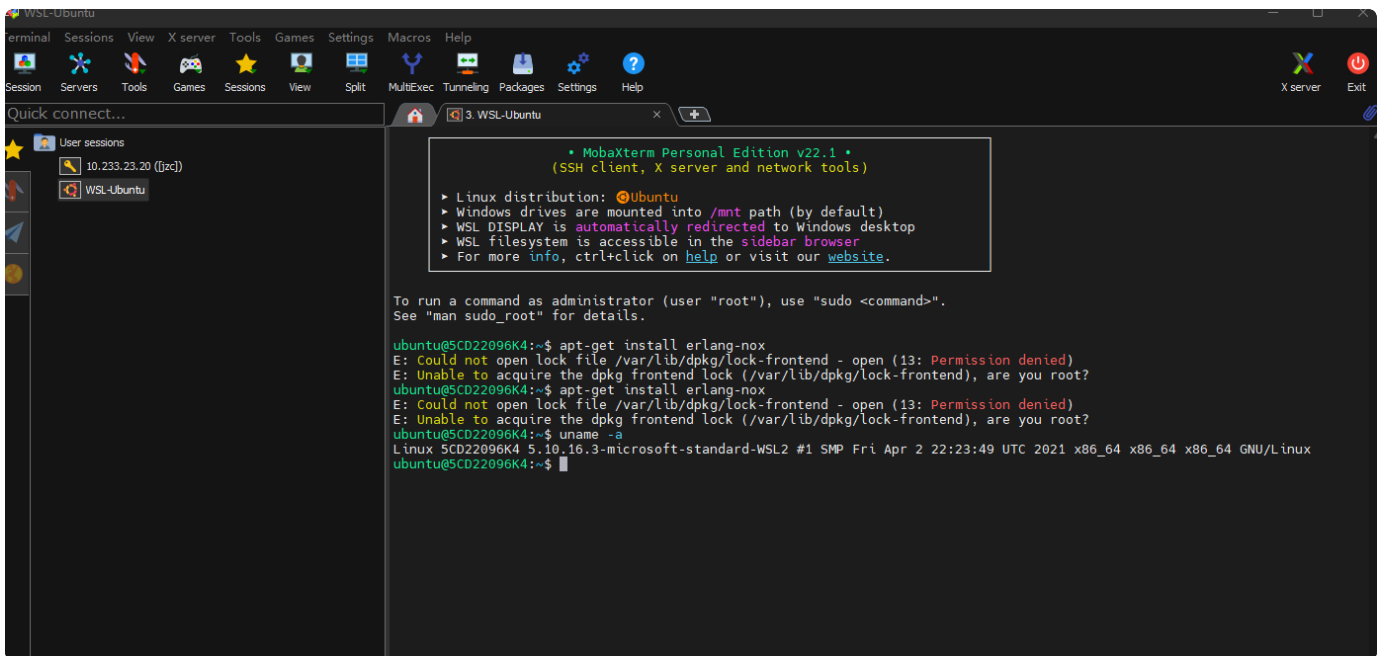
Ubuntu(WSL)安装 RabbitMQ

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此处为语雀内容卡片, 点击链接查看: https://www.yuque.com/knightjzc/vk0a70/nvd5v6?view=doc_embed

1.安装erlang

- apt-get install erlang-nox



```
WSL-Ubuntu
terminal Sessions View X server Tools Games Settings Macros Help
Session Servers Tools Games Sessions View Split MultiExec Tunneling Packages Settings Help
Quick connect...
User sessions
10.233.23.20 (jjc)
WSL-Ubuntu

MobaXterm Personal Edition v22.1
(SSH client, X server and network tools)

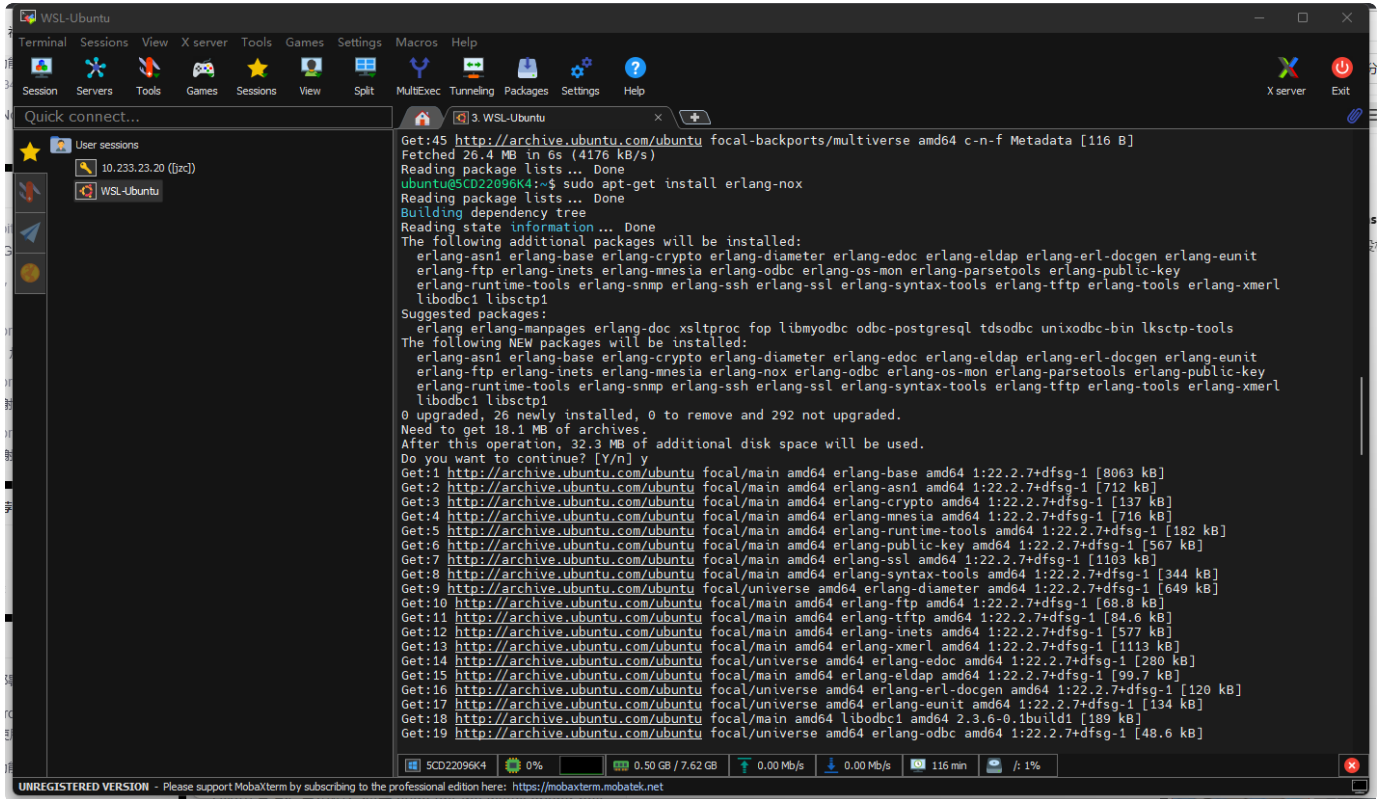
Linux distribution: Ubuntu
Windows drives are mounted into /mnt path (by default)
WSL DISPLAY is automatically redirected to Windows desktop
WSL filesystem is accessible in the sidebar browser
For more info, ctrl+click on help or visit our website.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

ubuntu@SCD22096K4:~$ apt-get install erlang-nox
E: Could not open lock file /var/lib/dpkg/lock-frontent - open (13: Permission denied)
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontent), are you root?
ubuntu@SCD22096K4:~$ apt-get install erlang-nox
E: Could not open lock file /var/lib/dpkg/lock-frontent - open (13: Permission denied)
E: Unable to acquire the dpkg frontend lock (/var/lib/dpkg/lock-frontent), are you root?
ubuntu@SCD22096K4:~$ uname -a
Linux SCD22096K4 5.10.16.3-microsoft-standard-WSL2 #1 SMP Fri Apr 2 22:23:49 UTC 2021 x86_64 x86_64 GNU/Linux
ubuntu@SCD22096K4:~$
```

2.假如出现没权限情况

- `sudo apt-get install erlang-nox`
- 更新下载源: `sudo apt-get -y update`



```
Get:45 http://archive.ubuntu.com/ubuntu focal-backports/multiverse amd64 c-n-f Metadata [116 B]
Fetched 26.4 MB in 6s (4176 kB/s)
Reading package lists ... Done
ubuntu@5CD22096K4:~$ sudo apt-get install erlang-nox
Reading package lists ... Done
Building dependency tree
Reading state information ... Done
The following additional packages will be installed:
  erlang-asn1 erlang-base erlang-crypto erlang-diameter erlang-edoc erlang-eldap erlang-erl-docgen erlang-eunit
  erlang-ftp erlang-inets erlang-mnesia erlang-odbc erlang-os-mon erlang-parsetools erlang-public-key
  erlang-runtime-tools erlang-snmp erlang-ssh erlang-ssl erlang-syntax-tools erlang-tftp erlang-tools erlang-xmerl
  libodbc1 libsqlcipher1
Suggested packages:
  erlang erlang-manpages erlang-doc xsltproc fop libmyodbc odbc-postgresql tdsodbc unixodbc-bin lksctp-tools
The following NEW packages will be installed:
  erlang-asn1 erlang-base erlang-crypto erlang-diameter erlang-edoc erlang-eldap erlang-erl-docgen erlang-eunit
  erlang-ftp erlang-inets erlang-mnesia erlang-nox erlang-odbc erlang-os-mon erlang-parsetools erlang-public-key
  erlang-runtime-tools erlang-snmp erlang-ssh erlang-ssl erlang-syntax-tools erlang-tftp erlang-tools erlang-xmerl
  libodbc1 libsqlcipher1
0 upgraded, 26 newly installed, 0 to remove and 292 not upgraded.
Need to get 18.1 MB of archives.
After this operation, 32.3 MB of additional disk space will be used.
Do you want to continue? [Y/n] y
Get:1 http://archive.ubuntu.com/ubuntu focal/main amd64 erlang-base amd64 1:22.2.7+dfsg-1 [8063 kB]
Get:2 http://archive.ubuntu.com/ubuntu focal/main amd64 erlang-asn1 amd64 1:22.2.7+dfsg-1 [712 kB]
Get:3 http://archive.ubuntu.com/ubuntu focal/main amd64 erlang-crypto amd64 1:22.2.7+dfsg-1 [137 kB]
Get:4 http://archive.ubuntu.com/ubuntu focal/main amd64 erlang-mnesia amd64 1:22.2.7+dfsg-1 [716 kB]
Get:5 http://archive.ubuntu.com/ubuntu focal/main amd64 erlang-runtime-tools amd64 1:22.2.7+dfsg-1 [182 kB]
Get:6 http://archive.ubuntu.com/ubuntu focal/main amd64 erlang-public-key amd64 1:22.2.7+dfsg-1 [567 kB]
Get:7 http://archive.ubuntu.com/ubuntu focal/main amd64 erlang-ssl amd64 1:22.2.7+dfsg-1 [1103 kB]
Get:8 http://archive.ubuntu.com/ubuntu focal/main amd64 erlang-syntax-tools amd64 1:22.2.7+dfsg-1 [344 kB]
Get:9 http://archive.ubuntu.com/ubuntu focal/universe amd64 erlang-diameter amd64 1:22.2.7+dfsg-1 [649 kB]
Get:10 http://archive.ubuntu.com/ubuntu focal/main amd64 erlang-ftp amd64 1:22.2.7+dfsg-1 [68.8 kB]
Get:11 http://archive.ubuntu.com/ubuntu focal/main amd64 erlang-tftp amd64 1:22.2.7+dfsg-1 [84.6 kB]
Get:12 http://archive.ubuntu.com/ubuntu focal/main amd64 erlang-inets amd64 1:22.2.7+dfsg-1 [577 kB]
Get:13 http://archive.ubuntu.com/ubuntu focal/main amd64 erlang-xmerl amd64 1:22.2.7+dfsg-1 [1113 kB]
Get:14 http://archive.ubuntu.com/ubuntu focal/universe amd64 erlang-edoc amd64 1:22.2.7+dfsg-1 [280 kB]
Get:15 http://archive.ubuntu.com/ubuntu focal/main amd64 erlang-eldap amd64 1:22.2.7+dfsg-1 [99.7 kB]
Get:16 http://archive.ubuntu.com/ubuntu focal/universe amd64 erlang-erl-docgen amd64 1:22.2.7+dfsg-1 [120 kB]
Get:17 http://archive.ubuntu.com/ubuntu focal/universe amd64 erlang-eunit amd64 1:22.2.7+dfsg-1 [134 kB]
Get:18 http://archive.ubuntu.com/ubuntu focal/main amd64 libodbc1 amd64 2.3.6-0.1build1 [189 kB]
Get:19 http://archive.ubuntu.com/ubuntu focal/universe amd64 erlang-odbc amd64 1:22.2.7+dfsg-1 [48.6 kB]
```

3.注意检查RabbitMQ 与erlang 的版本对应:

RabbitMQ Changelog — RabbitMQ

RabbitMQ

- `erl` 命令
- 可以查看对应erlang版本

```

BREAK: (a)abort (c)ontinue (p)roc info (t)info (t)loaded
(v)ersion (k)ill (D)b-tables (d)istribution

^Cubuntu@5CD22096K4:~$
ubuntu@5CD22096K4:~$ erl -version
Erlang (SMP,ASYNC_THREADS) (BEAM) emulator version 10.6.4
ubuntu@5CD22096K4:~$ ^C
ubuntu@5CD22096K4:~$ sudo apt-get install erlang-nox
[sudo] password for ubuntu:
Reading package lists ... Done
Building dependency tree
Reading state information ... Done
erlang-nox is already the newest version (1:22.2.7+dfsg-1).
0 upgraded, 0 newly installed, 0 to remove and 292 not upgraded.
ubuntu@5CD22096K4:~$ erl
Erlang/OTP 22 [erts-10.6.4] [source] [64-bit] [smp:8:8] [ds:8:8:10] [async-threads:1]
Eshell V10.6.4 (abort with ^G)
1>

```

4.安装RabbitMQ

如果安装最新版本的RabbitMQ 执行: `sudo apt-get install rabbitmq-server`

我是要安装指定版本的RabbitMQ 执行两句:

- 准备环境:

```

curl -s https://packagecloud.io/install/repositories/rabbitmq/rabbitmq-server/script.deb.sh
| sudo bash

```

- 查询目前可以安装的版本: `apt-cache madison rabbitmq-server`

```

rabbitmq-server | 3.9.12-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.9.11-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.9.10-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.9.9-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.9.8-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.9.7-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.9.6-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.9.5-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.9.4-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.9.3-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.9.2-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.9.1-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.9.0-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.35-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.34-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.33-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.32-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.31-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.30-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.29-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.28-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.27-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.26-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.25-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.24-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.23-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.22-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.21-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.20-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.19-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.18-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.17-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.16-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.15-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.14-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.13-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.12-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.11-1 | https://packagecloud.io/rabbitmq/rabbitmq-server/ubuntu focal/main amd64 Packages
rabbitmq-server | 3.8.2-0ubuntu1.3 | http://archive.ubuntu.com/ubuntu focal-updates/main amd64 Packages
rabbitmq-server | 3.8.2-0ubuntu1.3 | http://security.ubuntu.com/ubuntu focal-security/main amd64 Packages
rabbitmq-server | 3.8.2-0ubuntu1 | http://archive.ubuntu.com/ubuntu focal/main amd64 Packages
ubuntu@SCD22096K4:~$ sudo apt-get install rabbitmq-server=3.8.2-0ubuntu1

```

- 指定下载版本: `sudo apt-get install rabbitmq-server=3.8.2-0ubuntu1`
- 查看MQ开启状态: `sudo service rabbitmq-server status`

```

$ command not found
ubuntu@SCD22096K4:/$ systemctl restart rabbitmq-service
System has not been booted with systemd as init system (PID 1). Can't operate.
Failed to connect to bus: Host is down
ubuntu@SCD22096K4:/$ systemctl start rabbitmq-service
$ command not found
ubuntu@SCD22096K4:/$ systemctl status rabbitmq-server
System has not been booted with systemd as init system (PID 1). Can't operate.
Failed to connect to bus: Host is down
ubuntu@SCD22096K4:/$ systemctl status rabbitmq-server
System has not been booted with systemd as init system (PID 1). Can't operate.
Failed to connect to bus: Host is down
ubuntu@SCD22096K4:/$ systemctl status rabbitmq-server
System has not been booted with systemd as init system (PID 1). Can't operate.
Failed to connect to bus: Host is down
ubuntu@SCD22096K4:/$ sudo apt-get install rabbitmq-server=3.8.2-0ubuntu1
Reading package lists ... Done
Building dependency tree
Reading state information ... Done
rabbitmq-server is already the newest version (3.8.2-0ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 271 not upgraded.
ubuntu@SCD22096K4:/$ systemctl start rabbitmq-server
System has not been booted with systemd as init system (PID 1). Can't operate.
Failed to connect to bus: Host is down
ubuntu@SCD22096K4:/$ sudo service status rabbitmq-service
status: unrecognized service
ubuntu@SCD22096K4:/$ ^C
ubuntu@SCD22096K4:/$ sudo service start rabbitmq-service
start: unrecognized service
ubuntu@SCD22096K4:/$ ^C
ubuntu@SCD22096K4:/$ sudo apt-get install rabbitmq-server=3.8.2-0ubuntu1
Reading package lists ... Done
Building dependency tree
Reading state information ... Done
rabbitmq-server is already the newest version (3.8.2-0ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 271 not upgraded.
ubuntu@SCD22096K4:/$ sudo service status rabbitmq-server
status: unrecognized service
ubuntu@SCD22096K4:/$ sudo service rabbitmq-server start
* Starting RabbitMQ Messaging Server rabbitmq-server
ubuntu@SCD22096K4:/$ ^C
ubuntu@SCD22096K4:/$

```

- 开启MQ: `sudo service rabbitmq-server start`

```
$: command not found
ubuntu@SCD22096K4:/$ systemctl restart rabbitmq-service
System has not been booted with systemd as init system (PID 1). Can't operate.
Failed to connect to bus: Host is down
ubuntu@SCD22096K4:/$ systemctl start rabbitmq-service
$: command not found
ubuntu@SCD22096K4:/$ systemctl status rabbitmq-server
System has not been booted with systemd as init system (PID 1). Can't operate.
Failed to connect to bus: Host is down
ubuntu@SCD22096K4:/$ systemctl status rabbitmq-server
System has not been booted with systemd as init system (PID 1). Can't operate.
Failed to connect to bus: Host is down
ubuntu@SCD22096K4:/$ systemctl status rabbitmq-server
System has not been booted with systemd as init system (PID 1). Can't operate.
Failed to connect to bus: Host is down
ubuntu@SCD22096K4:/$ sudo apt-get install rabbitmq-server=3.8.2-0ubuntu1
Reading package lists ... Done
Building dependency tree
Reading state information ... Done
rabbitmq-server is already the newest version (3.8.2-0ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 271 not upgraded.
ubuntu@SCD22096K4:/$ systemctl start rabbitmq-server
System has not been booted with systemd as init system (PID 1). Can't operate.
Failed to connect to bus: Host is down
ubuntu@SCD22096K4:/$ sudo service status rabbitmq-service
status: unrecognized service
ubuntu@SCD22096K4:/$ ^C
ubuntu@SCD22096K4:/$ sudo service start rabbitmq-service
start: unrecognized service
ubuntu@SCD22096K4:/$ ^C
ubuntu@SCD22096K4:/$ sudo apt-get install rabbitmq-server=3.8.2-0ubuntu1
Reading package lists ... Done
Building dependency tree
Reading state information ... Done
rabbitmq-server is already the newest version (3.8.2-0ubuntu1).
0 upgraded, 0 newly installed, 0 to remove and 271 not upgraded.
ubuntu@SCD22096K4:/$ sudo service status rabbitmq-server
status: unrecognized service
ubuntu@SCD22096K4:/$ sudo service rabbitmq-server start
* Starting RabbitMQ Messaging Server rabbitmq-server
ubuntu@SCD22096K4:/$ ^C
ubuntu@SCD22096K4:/$
```

[OK]

5.启动插件，允许web访问

- `rabbitmq-plugins enable rabbitmq_management`

```
Totals
Connection count: 0
Queue count: 0
Virtual host count: 1

Listeners
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
ubuntu@5CD22096K4:/$ rabbitmq-plugins enable rabbitmq_management

14:21:28.439 [error] Error when reading ./erlang.cookie: eaccess
14:21:29.093 [error] Error when reading ./erlang.cookie: eaccess
14:21:29.094 [error] Error when reading ./erlang.cookie: eaccess
14:21:29.744 [error] Error when reading ./erlang.cookie: eaccess
14:21:29.745 [error] Error when reading ./erlang.cookie: eaccess
14:21:30.424 [error] Error when reading ./erlang.cookie: eaccess
14:21:30.425 [error] Error when reading ./erlang.cookie: eaccess
14:21:31.048 [error] Error when reading ./erlang.cookie: eaccess
14:21:31.050 [error] Error when reading ./erlang.cookie: eaccess
14:21:31.724 [error] Error when reading ./erlang.cookie: eaccess
14:21:31.725 [error] Error when reading ./erlang.cookie: eaccess
14:21:32.388 [error] Error when reading ./erlang.cookie: eaccess
14:21:32.389 [error] Error when reading ./erlang.cookie: eaccess
14:21:33.062 [error] Error when reading ./erlang.cookie: eaccess
14:21:33.063 [error] Error when reading ./erlang.cookie: eaccess
```

- 如果报错：

```
sudo chown rabbitmq:rabbitmq /var/lib/rabbitmq/.erlang.cookie
```

```
sudo chmod 600 /var/lib/rabbitmq/.erlang.cookie
```

- 引起缘由：

cookie的权限问题，也就是它的属组属组，白话说就是不认这个cookie

- 加上sudo `sudo rabbitmq-plugins enable rabbitmq_management`

6.添加用户方便访问并配置

- 增加普通用户: `sudo rabbitmqctl add_user admin admin`
- 给普通用户添加管理员权限: `sudo rabbitmqctl set_user_tags admin administrator`


```

close_all_connections    Instructs the broker to close all connections for the specified vhost or entire RabbitMQ node
close_connection        Instructs the broker to close the connection associated with the Erlang process id
eval                    Evaluates a snippet of Erlang code on the target node
exec                   Evaluates a snippet of Elixir code on the CLI node
force_gc               Makes all Erlang processes on the target node perform/schedule a full sweep garbage collection
hipe_compile           Only exists for backwards compatibility. HiPE support has been dropped starting with Erlang 22. Do not use

Queues:

delete_queue           Deletes a queue
purge_queue            Purges a queue (removes all messages in it)
quorum_status          Displays quorum status of a quorum queue

Use 'rabbitmqctl help <command>' to learn more about a specific command

Only root or rabbitmq should run rabbitmqctl

ubuntu@5CD22096K4:/$ sudo rabbitmqctl add_user admin admin
Adding user "admin" ...
ubuntu@5CD22096K4:/$ ^C
ubuntu@5CD22096K4:/$ sudo rabbitmqctl set_user_tags admin administrator
Setting tags for user "admin" to [administrator] ...
ubuntu@5CD22096K4:/$ ^C
ubuntu@5CD22096K4:/$ sudo service rabbitmq-server status
Status of node rabbit@5CD22096K4 ...
Runtime
OS PID: 31970
OS: Linux
Uptime (seconds): 411
RabbitMQ version: 3.8.2
Node name: rabbit@5CD22096K4
Erlang configuration: Erlang/OTP 22 [erts-10.6.4] [source] [64-bit] [smp:8:8] [ds:8:8:10] [async-threads:128]
Erlang processes: 429 used, 1048576 limit
Scheduler run queue: 1
Cluster heartbeat timeout (net_ticktime): 60

Plugins

Enabled plugin file: /etc/rabbitmq/enabled_plugins

```

- 修改默认配置信息: `sudo vim /usr/lib/rabbitmq/lib/rabbitmq_server-3.6.5/ebin/rabbit.app`
- 比如修改密码、配置等等, 例如: `loopback_users` 中的 `<<"guest">>`, 只保留 `guest`
- 重启服务: `sudo service rabbitmq-server restart`

```

fetches 196 kB in 2s (122 kB/s)
Selecting previously unselected package net-tools.
(Reading database ... 69697 files and directories currently installed.)
Preparing to unpack .../net-tools_1.60+git20180626.aebd88e-1ubuntu1_amd64.deb ...
Unpacking net-tools (1.60+git20180626.aebd88e-1ubuntu1) ...
Setting up net-tools (1.60+git20180626.aebd88e-1ubuntu1) ...
Processing triggers for man-db (2.9.1-1) ...
ubuntu@5CD22096K4:/$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.26.37.37 netmask 255.255.240.0 broadcast 172.26.47.255
    inet6 fe80::215:5dff:fec2:104b prefixlen 64 scopeid 0x20<link>
    ether 00:15:5d:c2:10:4b txqueuelen 1000 (Ethernet)
    RX packets 230762 bytes 316395708 (316.3 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 17803 bytes 1301970 (1.3 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 214343 bytes 55239425 (55.2 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 214343 bytes 55239425 (55.2 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

ubuntu@5CD22096K4:/$ ^C
ubuntu@5CD22096K4:/$ ^C
ubuntu@5CD22096K4:/$ vim /usr/lib/rabbitmq/lib/rabbitmq_server-3.6.5/ebin/rabbit.app
ubuntu@5CD22096K4:/$ cd /usr/lib/rabbitmq/lib/rabbitmq_server-3.8.2/ebin/rabbit.app
-bash: cd: /usr/lib/rabbitmq/lib/rabbitmq_server-3.8.2/ebin/rabbit.app: Not a directory
ubuntu@5CD22096K4:/$ vim /usr/lib/rabbitmq/lib/rabbitmq_server-3.8.2/ebin/rabbit.app

[1]+  Stopped                  vim /usr/lib/rabbitmq/lib/rabbitmq_server-3.8.2/ebin/rabbit.app
ubuntu@5CD22096K4:/$ vim /usr/lib/rabbitmq/lib/rabbitmq_server-3.8.2/ebin/rabbit.app

[2]+  Stopped                  vim /usr/lib/rabbitmq/lib/rabbitmq_server-3.8.2/ebin/rabbit.app
ubuntu@5CD22096K4:/$ sudo vim /usr/lib/rabbitmq/lib/rabbitmq_server-3.8.2/ebin/rabbit.app
[sudo] password for ubuntu:
ubuntu@5CD22096K4:/$ sudo service rabbitmq-server restart
* Restarting RabbitMQ Messaging Server rabbitmq-server
ubuntu@5CD22096K4:/$

```

7. 查询服务器端口, 在浏览器打开网页

- ifconfig
- 如果没有显示, 则需要下载网络插件: `sudo apt install net-tools`

```
3. WSL-Ubuntu
Try: sudo apt install <deb name>

ubuntu@5CD22096K4:/$ cd ..
ubuntu@5CD22096K4:/$ cd ..
ubuntu@5CD22096K4:/$ ifconfig

Command 'ifconfig' not found, but can be installed with:

sudo apt install net-tools
```

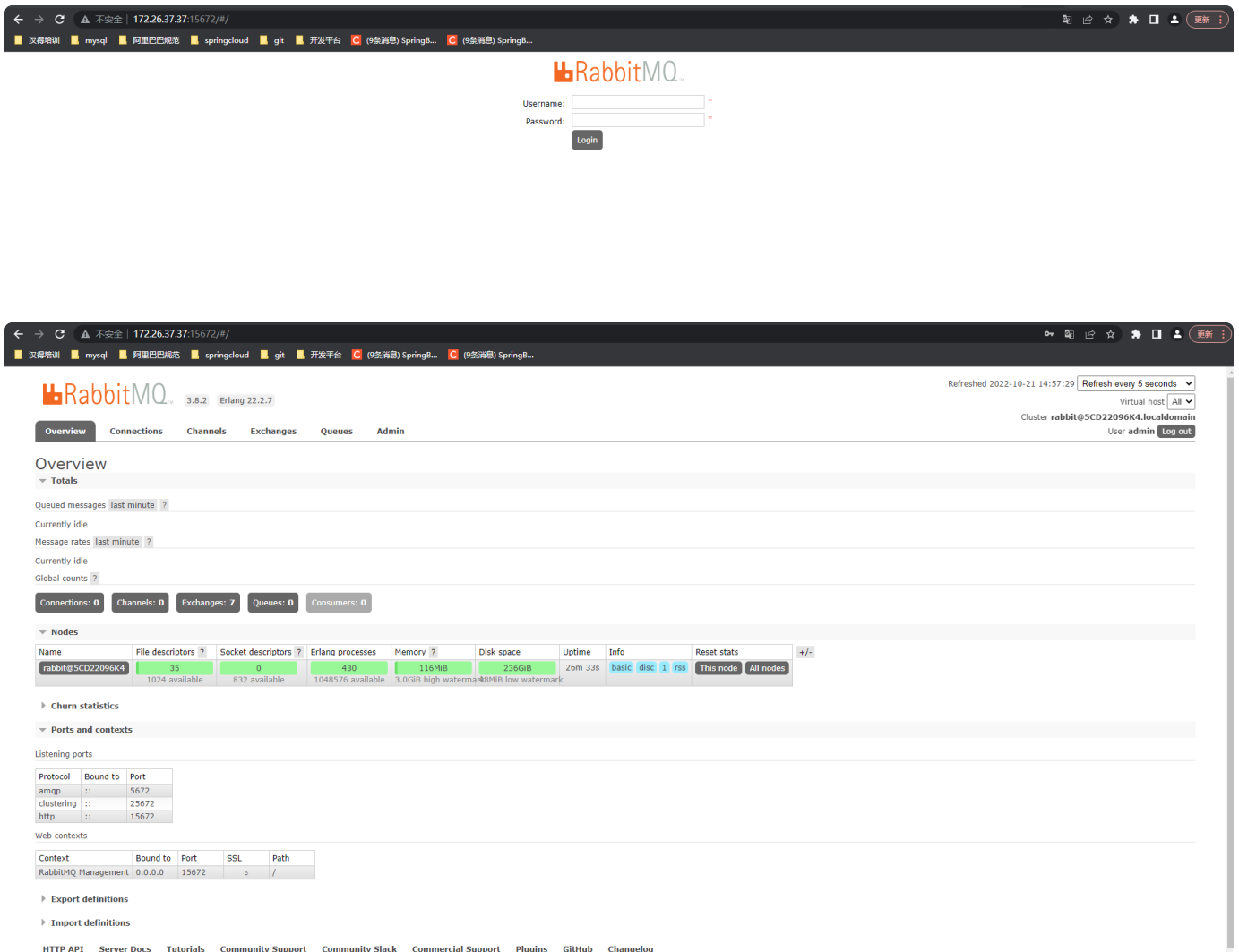
```
sudo apt install net-tools

ubuntu@5CD22096K4:/$ sudo apt install net-tools
Reading package lists... Done
Building dependency tree
Reading state information... Done
The following NEW packages will be installed:
  net-tools
0 upgraded, 1 newly installed, 0 to remove and 272 not upgraded.
Need to get 196 kB of archives.
After this operation, 864 kB of additional disk space will be used.
Get:1 http://archive.ubuntu.com/ubuntu focal/main amd64 net-tools amd64 1.60+git20180626.aebd88e-1ubuntu1 [196 kB]
Fetched 196 kB in 2s (122 kB/s)
Selecting previously unselected package net-tools.
(Reading database ... 69697 files and directories currently installed.)
Preparing to unpack .../net-tools_1.60+git20180626.aebd88e-1ubuntu1_amd64.deb ...
Unpacking net-tools (1.60+git20180626.aebd88e-1ubuntu1) ...
Setting up net-tools (1.60+git20180626.aebd88e-1ubuntu1) ...
Processing triggers for man-db (2.9.1-1) ...
ubuntu@5CD22096K4:/$ ifconfig
eth0: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> mtu 1500
    inet 172.26.37.37 netmask 255.255.240.0 broadcast 172.26.47.255
    inet6 fe80::215:5dff:fec2:104b prefixlen 64 scopeid 0x20<link>
    ether 00:15:5d:c2:10:4b txqueuelen 1000 (Ethernet)
    RX packets 230762 bytes 316395708 (316.3 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 17803 bytes 1301970 (1.3 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

lo: flags=73<UP,LOOPBACK,RUNNING> mtu 65536
    inet 127.0.0.1 netmask 255.0.0.0
    inet6 ::1 prefixlen 128 scopeid 0x10<host>
    loop txqueuelen 1000 (Local Loopback)
    RX packets 214343 bytes 55239425 (55.2 MB)
    RX errors 0 dropped 0 overruns 0 frame 0
    TX packets 214343 bytes 55239425 (55.2 MB)
    TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

ubuntu@5CD22096K4:/$ ^C
ubuntu@5CD22096K4:/$ ^C
ubuntu@5CD22096K4:/$
```

- rabbitMQ默认端口是15672, 则在本地拼接上ip即可访问页面



8.配置虚拟主机及用户

RabbitMQ在安装好后，可以访问 `http://ip地址:15672` ；其自带了guest/guest的用户名和密码；如果需要创建自定义用户；那么也可以登录管理界面后，操作。

- 角色说明：

- 1、超级管理员(administrator)

可登陆管理控制台，可查看所有的信息，并且可以对用户，策略(policy)进行操作。

- 2、监控者(monitring)

可登陆管理控制台，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、策略制定者(policymaker)

可登陆管理控制台, 同时可以对policy进行管理。但无法查看节点的相关信息(上图红框标识的部分)。

4、普通管理者(management)

仅可登陆管理控制台, 无法看到节点信息, 也无法对策略进行管理。

5、其他

无法登陆管理控制台, 通常就是普通的生产者和消费者。

- Virtual Hosts配置

像mysql拥有数据库的概念并且可以指定用户对库和表等操作的权限。RabbitMQ也有类似的权限管理；在RabbitMQ中可以虚拟消息服务器Virtual Host，每个Virtual Hosts相当于一个相对独立的RabbitMQ服务器，每个VirtualHost之间是相互隔离的。exchange、queue、message不能互通。相当于mysql的db。Virtual Name一般以/开头。

