Distributed Communication 13th practice

Li Jianhao
lijianhao288@hotmail.com

1 Basics

1.1 Create new RabbitMQ user

```
...
conn, err := amqp.Dial("amqp://guest:guest@localhost:5672/")
...
```

Listing 1: Dial in previous examples

Web Management Page for local Rabbit MQ server: http://localhost:15672

Before adding the user:

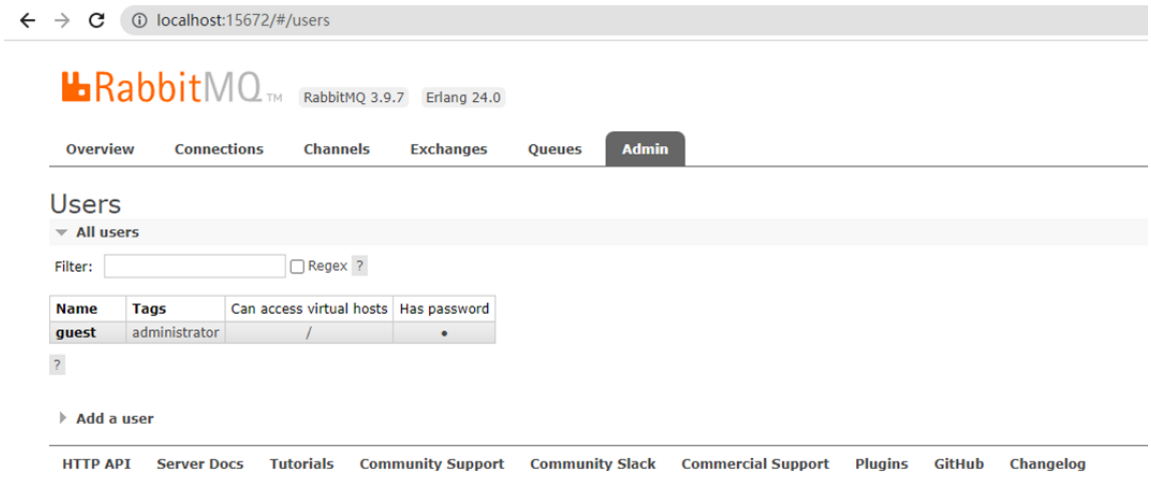

Figure 1:

After adding the user:

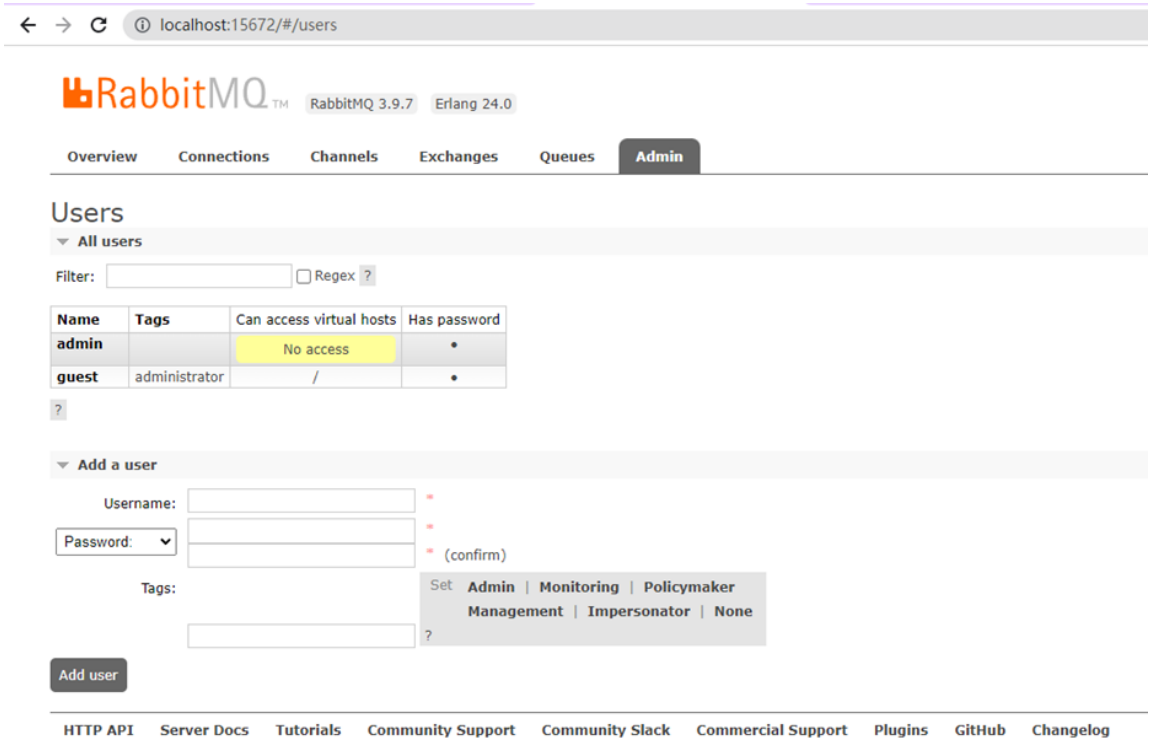

Figure 2:

1.2 Authorize the new user

Before Authorizing the user:

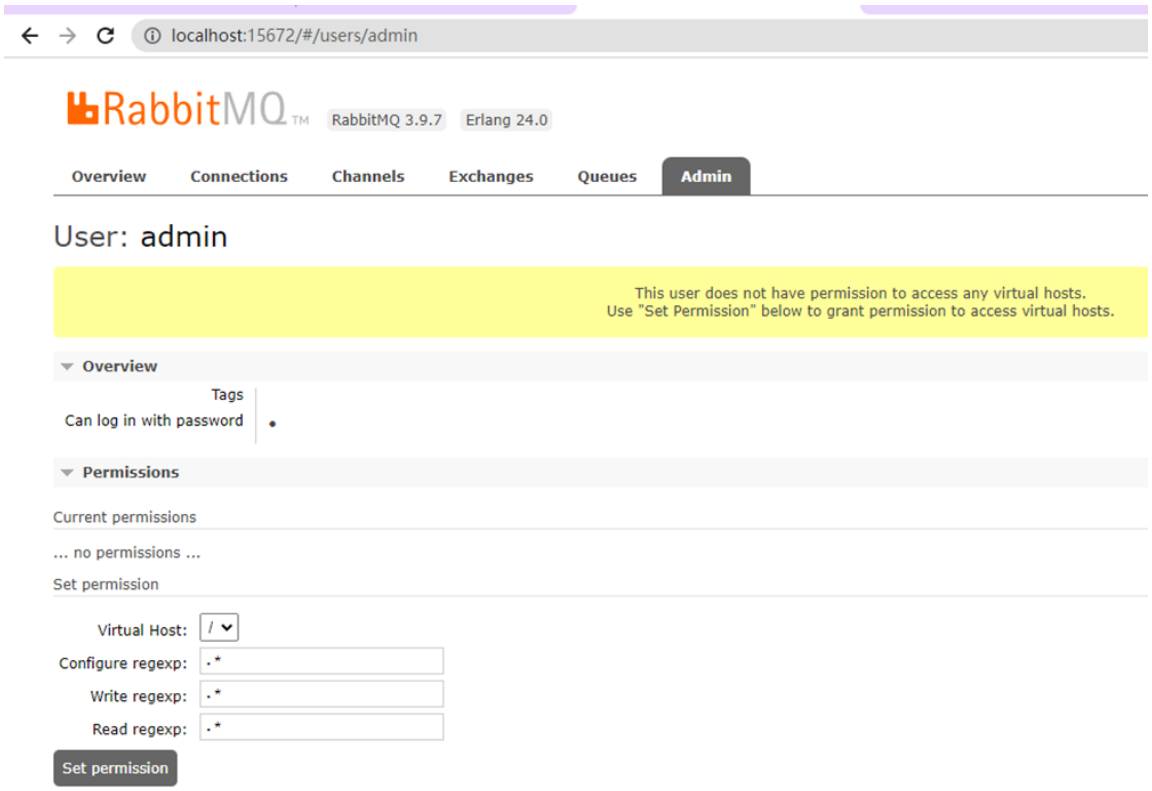

Figure 3:

After Authorizing the user:

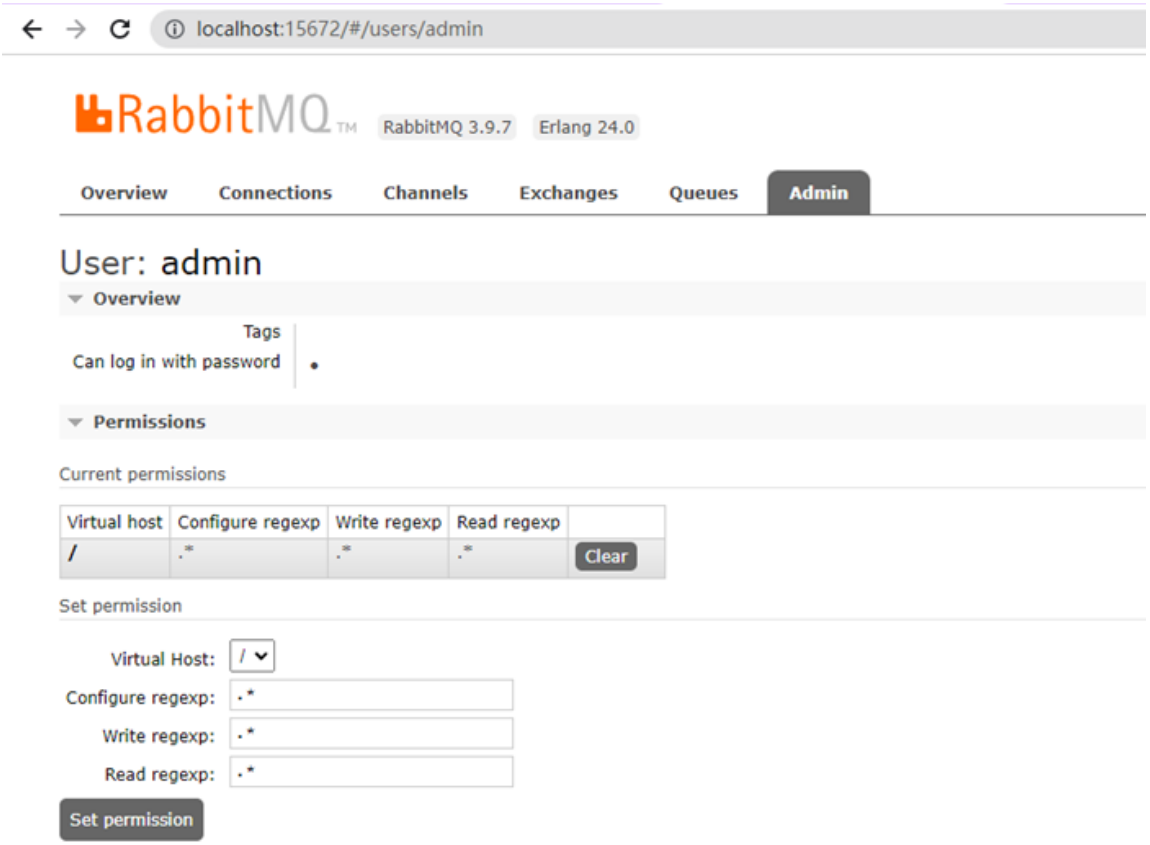

Figure 4:

1.3 RabbitMQ Configuration

Location like:

C:\Program Files\RabbitMQ Server\rabbitmq_server-3.9.7\etc

File "rabbitmq.conf":

```
listeners.tcp.default = 5672
loopback_users = "admin"
```

Listing 2: Configuration file

1.4 Firewall

Port 5672

TCP

Windows: "Settings", "Windows Defender", "Fire Wall", "Advanced Settings", "Inbound Rules", "New Rule", TCP, Port 5672, Allow the connection.

1.5 Change the URL argument of amqp.Dail

Like:

amqp.Dial("amqp://admin:admin@192.168.0.888:5672/")

Command checking IP addresses in Windows:

ipconfig

1.6 Output

Output:

On one machine

```
Waiting for msgs
Received: Hi
```

On another machine

```
Sent:  Hi
```

2 Practice

2.1 p1

Handle the configuration on your own computer. Try to run the Hello World example on two different machines (Your laptop and one machine in the lab). One machine sends, and another one receives.

And you can try to run other examples we have learned on different machines.