MQTT 服务端

服务器端口配置

服务器开放端口 22、8083：

	应用类型	来源 ⓘ	协议 ⓘ	端口 ⓘ	策略 ⓘ	备注	操作
☐	自定义	0.0.0.0/0	TCP	8083	允许	MQTT	编辑 删除
☐	Linux 登录 (22)	0.0.0.0/0	TCP	22	允许	SSH	编辑 删除

环境配置

配置 Mosquitto：

```
sudo apt update
sudo apt install mosquitto mosquitto-clients -y
sudo systemctl start mosquitto
sudo systemctl enable mosquitto
sudo systemctl status mosquitto
```

```
ubuntu@VM-12-8-ubuntu:~$ sudo systemctl status mosquitto
● mosquitto.service - Mosquitto MQTT Broker
     Loaded: loaded (/lib/systemd/system/mosquitto.service; enabled; vendor preset: enabled)
     Active: active (running) since Tue 2024-12-24 08:46:49 CST; 17s ago
       Docs: man:mosquitto.conf(5)
             man:mosquitto(8)
   Main PID: 9690 (mosquitto)
      Tasks: 1 (limit: 2219)
     Memory: 1.4M
        CPU: 15ms
     CGroup: /system.slice/mosquitto.service
             └─9690 /usr/sbin/mosquitto -c /etc/mosquitto/mosquitto.conf

Dec 24 08:46:49 VM-12-8-ubuntu systemd[1]: Starting Mosquitto MQTT Broker...
Dec 24 08:46:49 VM-12-8-ubuntu systemd[1]: Started Mosquitto MQTT Broker.
```

修改 /etc/mosquitto/mosquitto.conf 文件：

```
sudo nano /etc/mosquitto/mosquitto.conf
```

```
pid_file /run/mosquitto/mosquitto.pid

persistence true
persistence_location /var/lib/mosquitto/

log_dest file /var/log/mosquitto/mosquitto.log

include_dir /etc/mosquitto/conf.d

listener 1883
protocol mqtt

listener 8083
protocol websockets

allow_anonymous false
password_file /etc/mosquitto/passwd
```

创建用户名和密码文件：

```
sudo mosquitto_passwd -c /etc/mosquitto/passwd mqtt_server
```

重启 Mosquitto 服务：

```
sudo systemctl restart mosquitto
```