

MQTT

//to install mosquitto

```
sudo apt-get install mosquitto mosquitto-clients
```

// to subscribe

```
mosquitto_sub -t test
```

//to publish to the topic

```
mosquitto_pub -t test -m "hello world"
```

//to set password

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

//to create file and path

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

//copy paste into the file that opens

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

//restart mosquitto

```
sudo systemctl restart mosquitto
```

//sub and pub using password

```
mosquitto_sub -t test -u "username" -P "password"
```

```
mosquitto_pub -t "test" -m "hello world" -u "username" -P "password"
```

https://mosquitto.org/man/mosquitto_passwd-1.html