

Test du serveur MQTT sur le raspberry

Après avoir installé MQTT Broker , je recommande d'installer un client MQTT pour tester l'installation de Broker et publier des exemples de messages.

Exécutez la commande suivante pour installer le client MQTT Mosquitto :

```
sudo apt install -y mosquitto mosquitto-clients
```

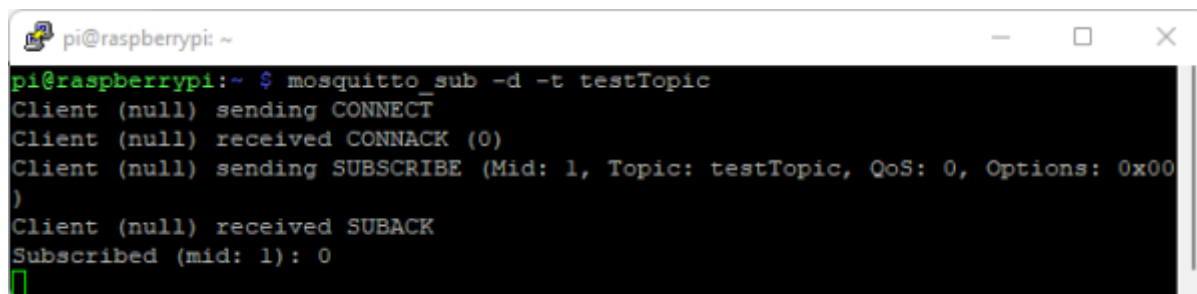
Exécutez Mosquitto en arrière-plan en tant que démon :

```
mosquitto -d
```

S'abonner au sujet testTopic

Pour vous abonner à un sujet MQTT avec Mosquitto Client, ouvrez une fenêtre de **terminal n°1** et saisissez la commande :

```
mosquitto_sub -d -t testTopic
```

A screenshot of a terminal window titled 'pi@raspberrypi: ~'. The terminal shows the command 'mosquitto_sub -d -t testTopic' being executed. The output is as follows: 'Client (null) sending CONNECT', 'Client (null) received CONNACK (0)', 'Client (null) sending SUBSCRIBE (Mid: 1, Topic: testTopic, QoS: 0, Options: 0x00)', 'Client (null) received SUBACK', and 'Subscribed (mid: 1): 0'. A green cursor is visible at the end of the last line.

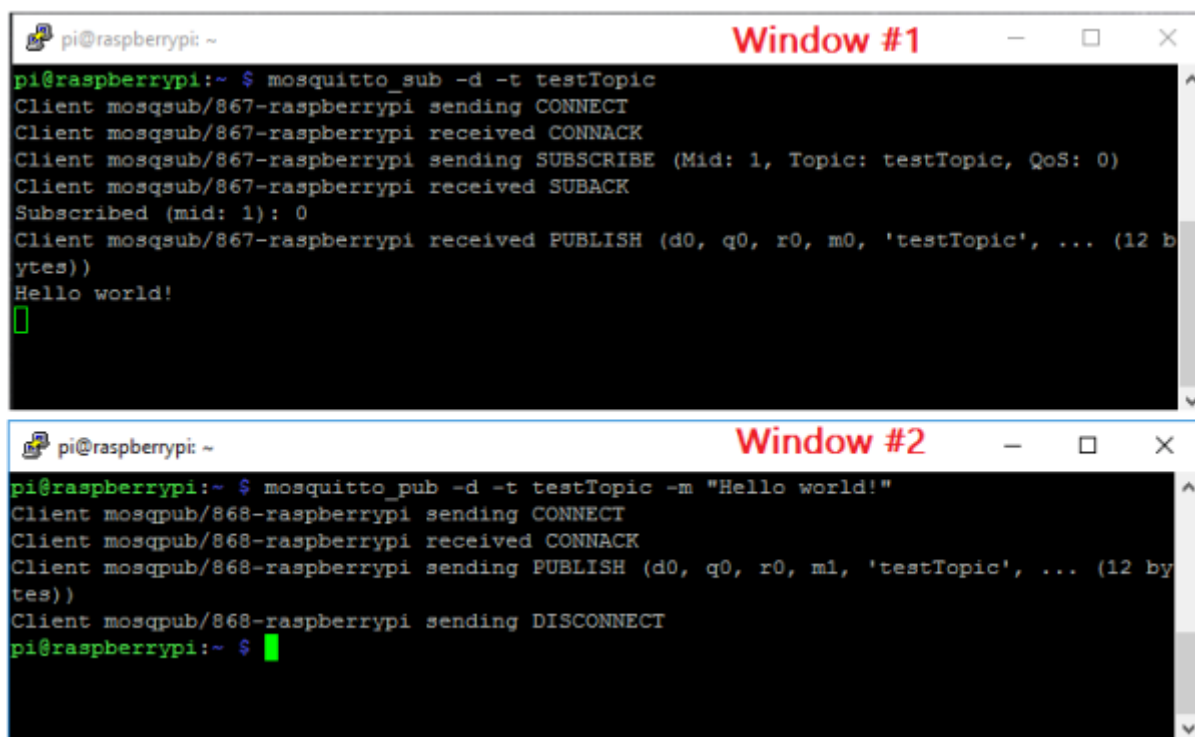
```
pi@raspberrypi: ~  
pi@raspberrypi:~$ mosquitto_sub -d -t testTopic  
Client (null) sending CONNECT  
Client (null) received CONNACK (0)  
Client (null) sending SUBSCRIBE (Mid: 1, Topic: testTopic, QoS: 0, Options: 0x00)  
Client (null) received SUBACK  
Subscribed (mid: 1): 0
```

Vous êtes maintenant abonné à un sujet appelé **testTopic**.

Publication de « Hello World ! »

Pour publier un exemple de message sur **testTopic**, ouvrez une fenêtre de **terminal n°2** et exécutez la commande suivante :

```
mosquitto_pub -d -t testTopic -m "Hello world!"
```



The image shows two terminal windows, Window #1 and Window #2, running on a Raspberry Pi. Window #1 shows a subscriber using the `mosquitto_sub` command to listen to the `testTopic`. It receives a `CONNECT` message, a `SUBSCRIBE` message, and a `PUBLISH` message containing the text "Hello world!". Window #2 shows a publisher using the `mosquitto_pub` command to send the message "Hello world!" to the `testTopic`. It sends a `CONNECT` message, a `PUBLISH` message, and a `DISCONNECT` message.

```
pi@raspberrypi: ~  
pi@raspberrypi:~ $ mosquitto_sub -d -t testTopic  
Client mosqsub/867-raspberrypi sending CONNECT  
Client mosqsub/867-raspberrypi received CONNACK  
Client mosqsub/867-raspberrypi sending SUBSCRIBE (Mid: 1, Topic: testTopic, QoS: 0)  
Client mosqsub/867-raspberrypi received SUBACK  
Subscribed (mid: 1): 0  
Client mosqsub/867-raspberrypi received PUBLISH (d0, q0, r0, m0, 'testTopic', ... (12 bytes))  
Hello world!  
[  
  
pi@raspberrypi: ~  
pi@raspberrypi:~ $ mosquitto_pub -d -t testTopic -m "Hello world!"  
Client mosqpub/868-raspberrypi sending CONNECT  
Client mosqpub/868-raspberrypi received CONNACK  
Client mosqpub/868-raspberrypi sending PUBLISH (d0, q0, r0, m1, 'testTopic', ... (12 bytes))  
Client mosqpub/868-raspberrypi sending DISCONNECT  
pi@raspberrypi:~ $
```

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