

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

/\*\*\*\*\*/

#### Example 1: Slide 3

```
mosquitto_sub -t "test"
mosquitto_pub -t "test" -m "hello world"
/*****/
```

/\*\*\*\*\*/

#### Example 2: Slide 3

```
mosquitto_sub -h 10.129.152.175 -t "test"
mosquitto_pub -h 10.129.152.175 -t "test" -m "hello world"
/*****/
```

/\*\*\*\*\*/

#### Example 3: Slide 3

if you add -d at the end of this command you will see all the background steps.  
Refer below:

```
mosquitto_pub -h 10.129.152.175 -t "test" -m "hello world" -d
Client mosqpub|7631-hyperactiv sending CONNECT
Client mosqpub|7631-hyperactiv received CONNACK
Client mosqpub|7631-hyperactiv sending PUBLISH (d0, q0, r0, m1, 'test', ... (11 bytes))
Client mosqpub|7631-hyperactiv sending DISCONNECT
/*****/
```

/\*\*\*\*\*/

#### Example 4: Slide 3

```
mosquitto_sub -h 10.129.152.175 -t "test" -i "client_one"
mosquitto_pub -h 10.129.152.175 -t "cltidtest" -m "hello world population1" -d -q 2
/*****/
```

/\*\*\*\*\*/

#### Example 5: Slide 4

```
mosquitto_pub -h 10.129.152.175 -t "test" -q 0 -m "hello world population1" -d
mosquitto_pub -h 10.129.152.175 -t "test" -q 1 -m "hello world population1" -d
mosquitto_pub -h 10.129.152.175 -t "test" -q 2 -m "hello world population1" -d
/*****/
```

/\*\*\*\*\*/

#### Example 6: Slide 5

```
mosquitto_sub -h 10.129.152.175 -t "test" -d --will-topic "test will" --will-payload "will
sub disconnected"
/*****/
```

Important link: <http://docs.oasis-open.org/mqtt/mqtt/v3.1.1/os/mqtt-v3.1.1-os.html>  
[https://mosquitto.org/man/mosquitto\\_sub-1.html](https://mosquitto.org/man/mosquitto_sub-1.html)  
[https://mosquitto.org/man/mosquitto\\_pub-1.html](https://mosquitto.org/man/mosquitto_pub-1.html)