**sudo apt update**

**sudo apt install -y mosquitto mosquitto-clients**

You’ll have to type **Y** and press **Enter** to confirm the installation.

To make Mosquitto auto

start on boot up enter:

**sudo systemctl enable mosquitto.service**

**mosquitto -v**

version 1.5.X

**Note:** sometimes the command mosquitto -v prompts a warning message saying “Error: Address already in use“. That warning message means that your Mosquitto Broker is already running, so don’t worry about that.

RPi IP

**hostname -I**

Run Mosquitto on background as a daemon:

**mosquitto -d**

To subscribe to an MQTT topic with Mosquitto Client open a terminal Window #1 and enter the command:

**mosquitto\_sub -d -t testTopic**

You’re now subscribed to a topic called **testTopic.**

To publish a sample message to **testTopic**, open a terminal Window #2 and run this command:

**mosquitto\_pub -d -t testTopic -m "Hello world!"**

The message “**Hello World!**” is received in Window #1 as illustrated in the figure above.

Text

Description automatically generated

Text

Description automatically generated

Having Window #1 still subscribed to topic testTopic, open a new terminal Window #3 and run this command to subscribe to **testTopic** topic:

**mosquitto\_sub -d -t testTopic**

On Window #2 publish the “**Hello World!**” message:

**mosquitto\_pub -d -t testTopic -m "Hello world!"**

Since two clients are subscribed (1) (2) to **testTopic** topic, they will both receive **“Hello world!”** message.

Aparecera en Windows 1 y Windows 3 “Hello world”