

# Reading joint states with an MQTT client from a Mosquitto MQTT broker


## Install an MQTT Client

1. Install a mosquitto  client for example [MQTTX](#)

## Connect to the WIFI


Connect to the same WI-FI the MQTT-Broker is in.

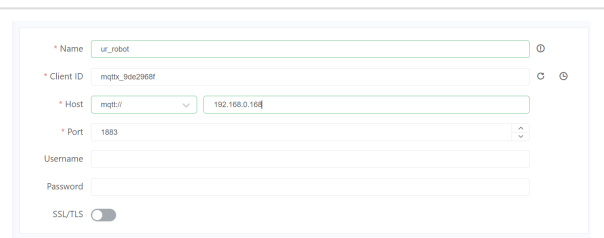
In our case the WI-FI's name is '**ROOM\_240**'

In our case the device running the broker is an RaspberryPi  with the IP **192.168.0.168**

## Subscribe to a topic via your MQTT client

1. Setup a new connection by clicking  :

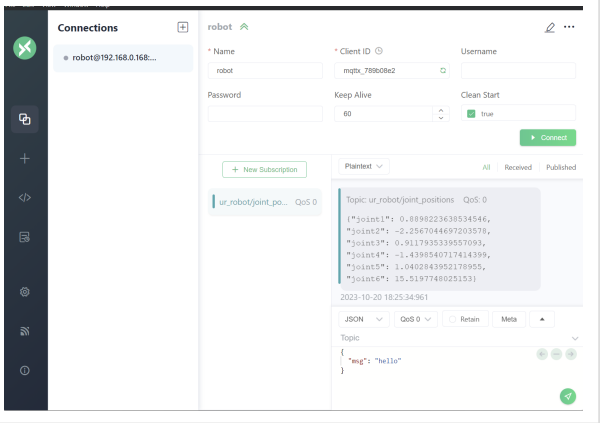
Setup a new connection to a "broker" in our case this is the Raspberry Pi  connected to the Robot. Provide a name and leave the username and password fields blank.



A screenshot of an MQTT client configuration window. It contains the following fields and controls:

- Name:** A text input field containing 'ut\_robot'.
- Client ID:** A text input field containing 'mqtt\_9dc2969f'.
- Host:** A dropdown menu showing 'mqtt://' and a text input field containing '192.168.0.168'.
- Port:** A text input field containing '1883'.
- Username:** An empty text input field.
- Password:** An empty text input field.
- SSL/TLS:** A toggle switch currently turned off.

Click on "connect" and you'll see the joint positions coming in and constantly updated!



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