

How to Use the MQTT Extension

Simple Steps on Getting Started with the [MQTT Extension](#) on the TWX Marketplace.

Tested with Thingworx 8.4 in February 2019.

Install Broker / Server

You can use [mosquitto](#) as an easy-to-use broker. If installed on Windows it will run as a service and you can control the settings from C:\Program Files\mosquitto\mosquitto.conf.

Install Client

You can use [MQTT.fx](#) as a client

You just need to connect it to the broker using server name and port.

Import Extension

Import the extension using the menu option Import/Export > Import > Extension > File Name > 139-MQTT_Extensions.zip

Create the Thing

Create a Thing (e.g. called TestMQTT) in TWX based on the template MQTT (which has both Connection and Subscriber capabilities)

Go to Properties > Add > Name=statusprop, Type=string, Persistent=TRUE

Go to Configuration > JDBC Settings > serverName and input the server name for your MQTT Broker.

Go to Configuration > JDBC Settings > serverPort and input the server port for your MQTT Broker.

Go to Configuration > Mappings > Add and add a row as follows:

subscribe=TRUE, publish=TRUE, name=statusprop, topic=home/garden/fountain

Save your Thing

Publish a Topic

In MQTT.fx, subscribe to topic: home/garden/fountain

In MQTT.fx, publish some message, e.g. "hello world" to topic: home/garden/fountain

In MQTT under the subscribe tab you should see that you've received the "hello world" message from the broker.

Check the Thing

Now go to TWX > Thing TestMQTT > Properties, you might need to click Refresh. You should see the "hello world" message received from the broker. You can input a value to property statusprop (e.g. "hello from TWX") and you should be able to see that message received in MQTT.fx

Acknowledgements

Stefan Bode has published some more detailed videos in German on using the MQTT Extension on [Youtube here](#)