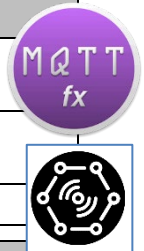


**Main Topic:** Unity 3D – MQTT Message Queuing Telemetry Transport

**Keywords:** Daten senden und empfangen, Topics erstellen, M2Mqtt in Unity

Lernziele	
Message Queuing Telemetry Transport verstehen und anwenden	
Steps	Lernschritte
1	MQTT Client: <a href="https://mqttfx.jensd.de/">https://mqttfx.jensd.de/</a> Version 1.7.1 Mobile: MQTT.Dash, ...
2	MQTT Server: Eclipse MQTT Broker (Server) dmt.fh-joanneum.at Port: 1883 – User: dmt/xxxxxx (frei: test.mosquitto.org)
3	MQTT in Unity <a href="https://github.com/gpvigano/M2MqttUnity">https://github.com/gpvigano/M2MqttUnity</a>
SW	Protokoll und Infos
MQTT	Topics Home/Cook/Heater/Temperature QoS (Quality of Service), Retain-Flag
	Subscribe: stat/tasmota_alex/POWER Publish: cmd/tasmota_alex/POWER toggle
C1	Steuerungscode: public class M2MqttUnityTest : M2MqttUnityClient
	<pre> using uPLibrary.Networking.M2Mqtt; using uPLibrary.Networking.M2Mqtt.Messages; using M2MqttUnity;  public class M2MqttUnityTest : M2MqttUnityClient {     client.Publish("M2MQTT_Unity/test",         System.Text.Encoding.UTF8.GetBytes("Test message"),         MqttMsgBase.QOS_LEVEL_EXACTLY_ONCE, false);      protected override void SubscribeTopics()     {         client.Subscribe(new string[] { "M2MQTT_Unity/test" },             new byte[] { MqttMsgBase.QOS_LEVEL_EXACTLY_ONCE });     }      protected override void DecodeMessage(string topic, byte[] message)     {         string msg = System.Text.Encoding.UTF8.GetString(message);         Debug.Log("Received: " + msg);         if (topic == "M2MQTT_Unity/test")...     }      if (topic == "FHJ_DMT/GamePad/XYPos") {         string[] splitString = msg.Split(" ");         PosX = float.Parse(splitString[0]);         PosY = float.Parse(splitString[1]);         UnityEngine.Debug.Log("&lt;&lt;&lt;&lt; RECEIVED: " + PosX + "/" + PosY);     }      base.Start();base.Awake(); base.Update(); </pre>
Split	
C2	MQTT und Uduino...
	<pre> public class GameLogic : M2MqttUnityClient {     private UduinoManager u;     private M2MqttUnityClient mqtt; </pre>
L	Links to MQTT Videotutorials
	Video MQTT & Tasmota Einführung: <a href="https://youtu.be/Tc9gdXy4hJA">https://youtu.be/Tc9gdXy4hJA</a> Video MQTT in Unity: <a href="https://youtu.be/Qn8lByEU_4A">https://youtu.be/Qn8lByEU_4A</a>



m2mqtt

FHJ\_DMT/GamePad/XYPos

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