

Advantech AE Technical Share Document

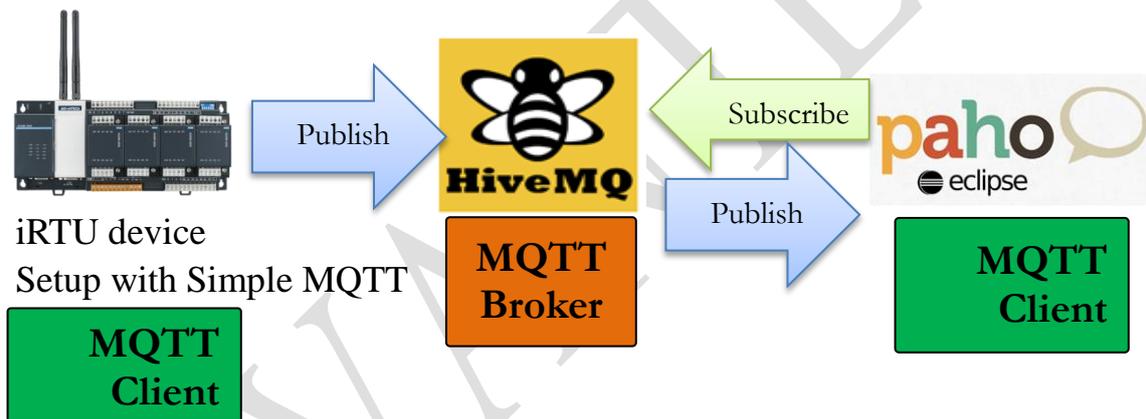
Date	2018/8/20	SR#	1-3534506441
Category	■FAQ □SOP	Related OS	N/A
Abstract	How to upload iRTU data to private server with SimpleMQTT		
Keyword	MQTT, Cloud, SimpleMQTT		
Related Product	ADAM-3600, ECU-1152, ECU-1251		

■ **Problem Description:**

If the user does not want use other Cloud service (Azure or WebAccess), user could establish his own private server. This document explains how to set up a local private server (MQTT broker) and upload iRTU data to the private server with SimpleMQTT.

■ **Answer:**

The application scenario may be illustrated as below image.



We illustrate how to upload iRTU data to private server with SimpleMQTT as 3 steps.

- Step 1. Set up mosquitto broker
- Step 2. Setup ADAM-3600 for publishing
- Step 3. Monitor with online client

Step 1. Start Hive-MQ Broker

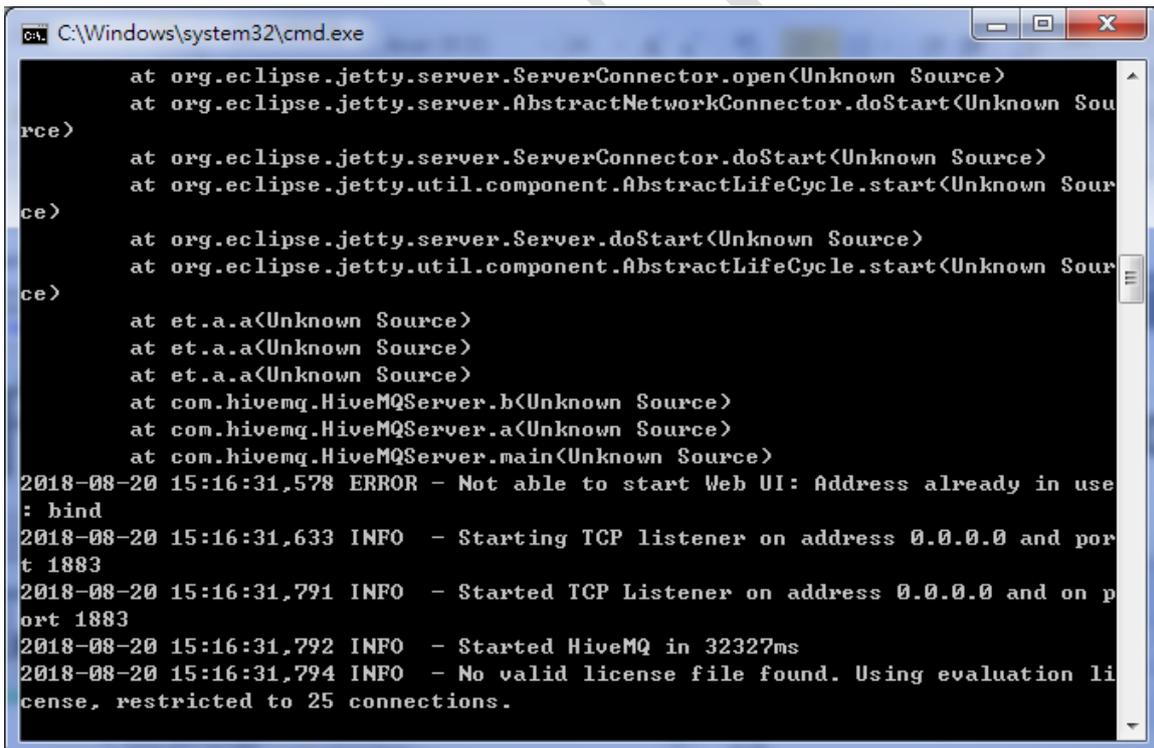
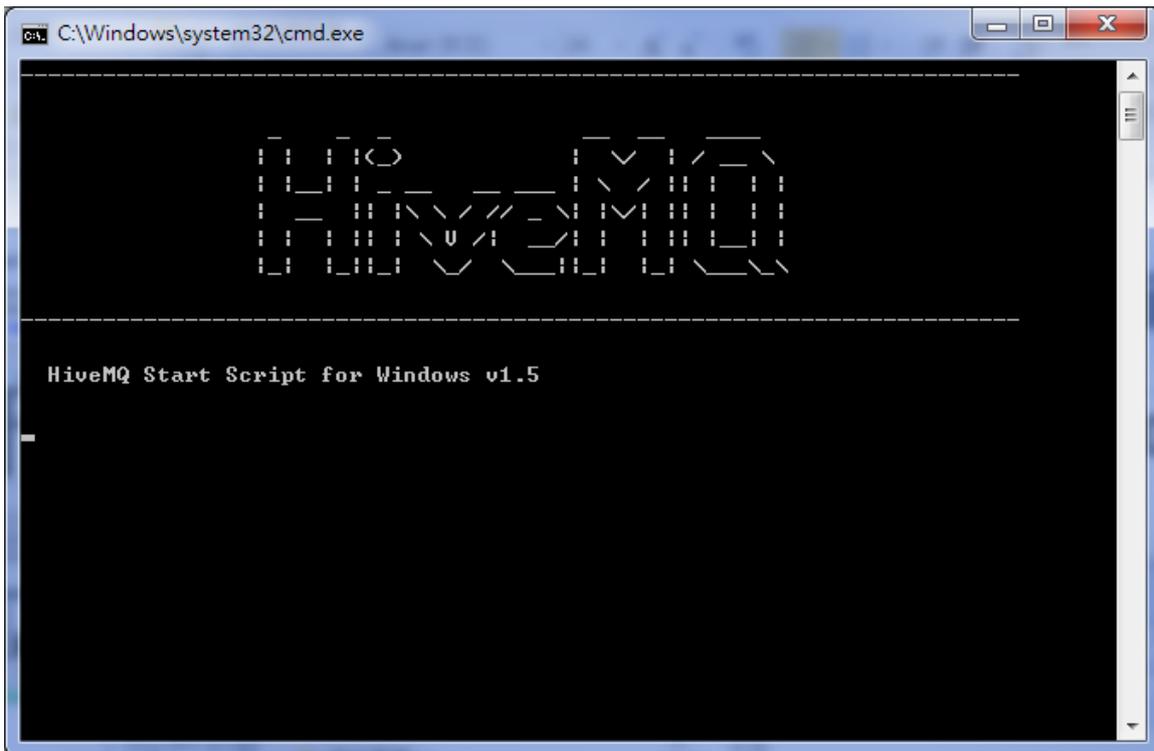
Download Hive-MQ Broker. <https://www.hivemq.com/downloads/>

The free trial version has some limitation, (ex. max connection only to 25 links), but it's ok in this demo.

名稱	修改日期	類型
bin	2018/6/25 下午 0...	檔案資料夾
conf	2018/6/25 下午 0...	檔案資料夾
data	2018/8/20 下午 0...	檔案資料夾
license	2018/6/25 下午 0...	檔案資料夾
log	2018/8/20 下午 0...	檔案資料夾
plugins	2018/6/25 下午 0...	檔案資料夾
third-party-licenses	2018/6/25 下午 0...	檔案資料夾
README.txt	2018/6/25 下午 0...	文字文件

Following the README.txt: Right click on bin\run.bat

The broker on the PC would start to listen to connection.

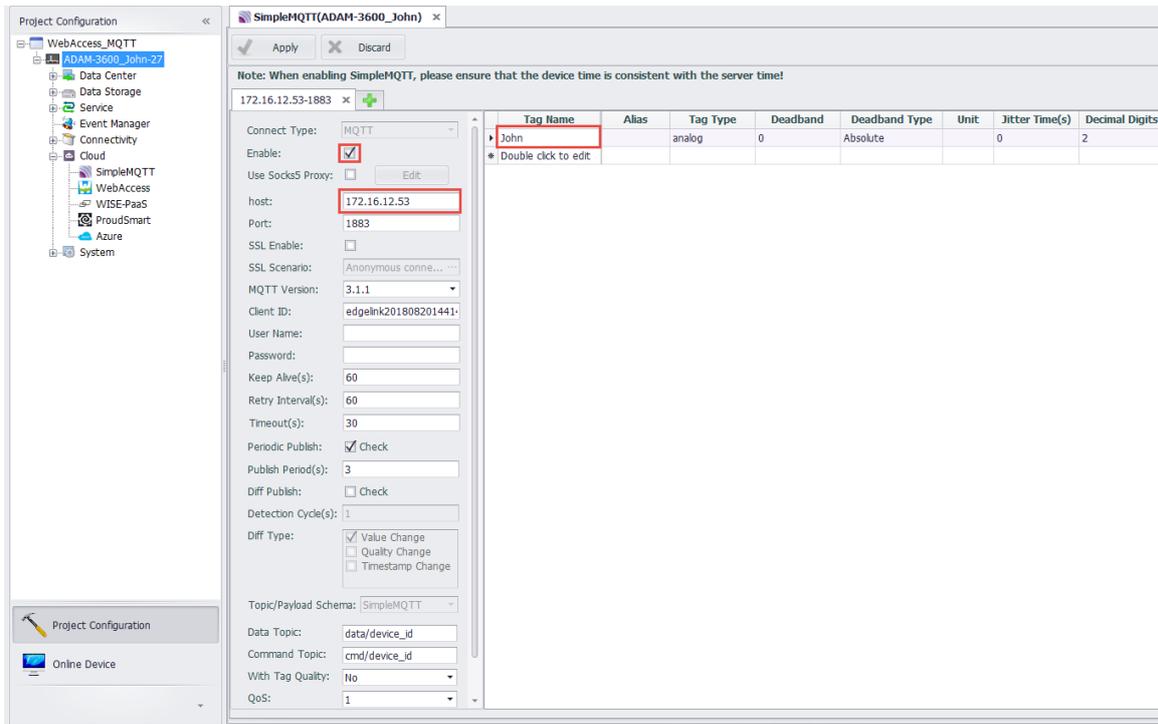


Default setting: no Username, no password, Port: 1883

Step 2. Setup in EdgeLink Project

User may refer to EdgeLink Studio Online help to set up SimpleMQTT.

User may only need to enable SimpleMQTT, fill in the host name as broker's IP (PC's IP), and select the tag for uploading.



Step 3. Monitor on MQTT Client

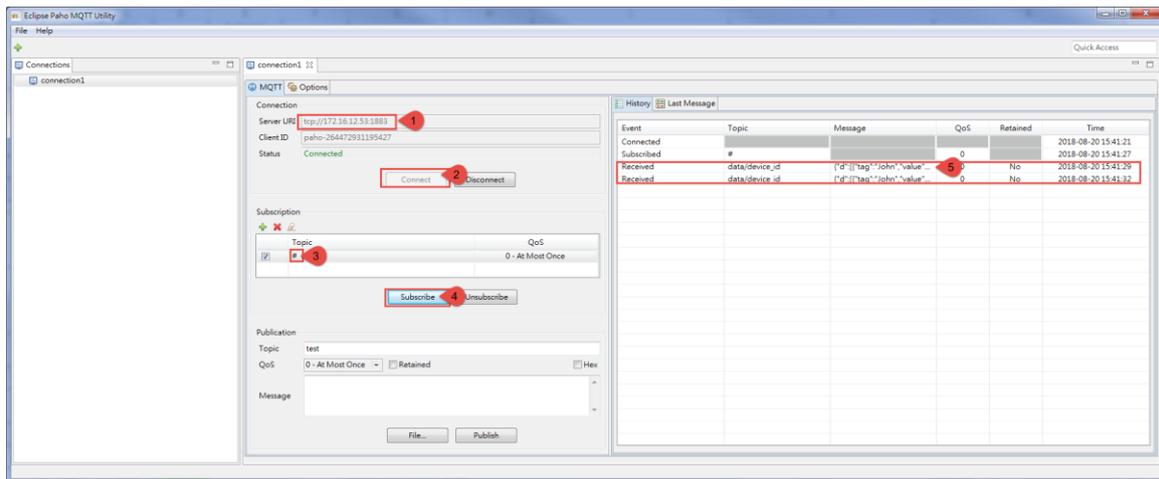
Download MQTT Client tool (org.eclipse.paho.ui.app-1.0.0)

http://support.advantech.com.tw/Support/DownloadSRDetail_New.aspx?SR_ID=1-1KRCCH&H&Doc_Source=Download

WebAccess/SCADA MQTT Test Tool

Solution : WebAccess/SCADA MQTT Test Tool

Download File	Released Date	Download Site	
mqtt-spy-0.6.0-beta-b52-jar-with-dependencies.jar	2018-04-27	Primary	Secondary
org.eclipse.paho.ui.app-1.0.0-win32.zip (WindowsX86)	2018-08-06	Primary	Secondary
org.eclipse.paho.ui.app-1.0.0-win64.zip (WindowsX64)	2018-08-06	Primary	Secondary
jre-8u161-win32.7z (WindowsX86_JavaPatch)	2018-08-06	Primary	Secondary
jre-8u161-win64.7z (WindowsX64_JavaPatch)	2018-08-06	Primary	Secondary



1. Fill in the Server URI as the Hive-MQ Broker.
2. Click “Connect”. If there is no error, the status would show “connected”
3. Add a new subscription with all topic “#”.
4. Click “Subscribe”.
5. Check the results.