Advantech AE Technical Share Document

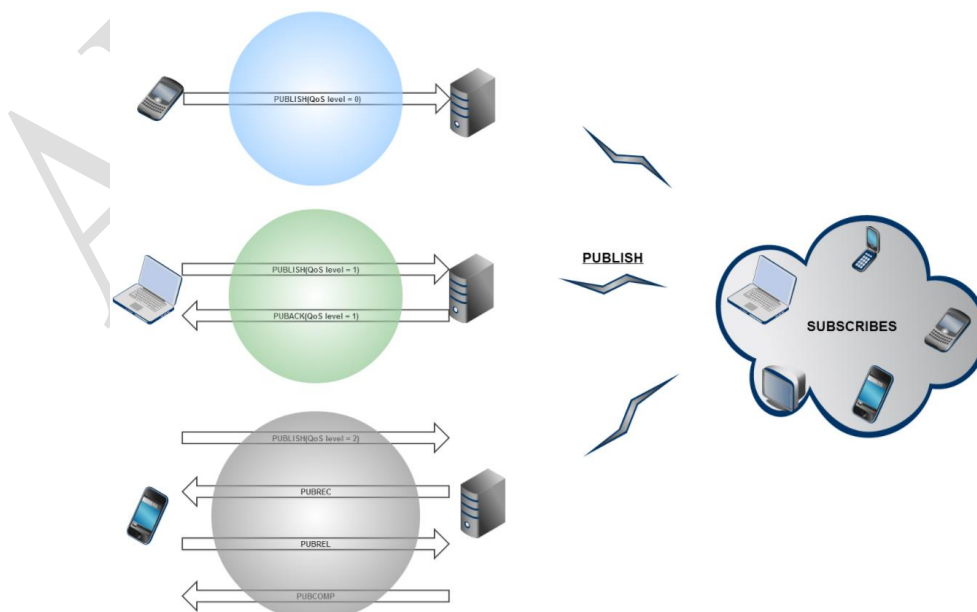| Date	2018/2/14	SR#	1-3374338361
Category	■FAQ　□ SOP	Related OS	N/A
Abstract	What are pub QoS and sub QoS mean in ADAM MQTT?		
Keyword	MQTT, pub QoS, sub QoS , ADAM-6000, ADAM-6200		
Related Product	ADAM-6000, ADAM-6200		

- **Problem Description:**

    There are pub QoS and sub QoS parameter in Adam/Apax.net Utility MQTT setting page. What are these terms mean in ADAM MQTT function?

- **Answer**

    Below is a picture showing different MQTT publish QoS level with broker. From the top to bottom, they are QoS=0, 1 and 2, respectively.

So **publish QoS** defines the message delivery quality **between broker and publisher (ADAM)**, so here means ADAM will use QoS=2 for publishing IO data to the broker.

On the other hand, **subscribe QoS** defines the message delivery quality **between broker and subscriber (ADAM).** After broker receiving the message from publisher, it will base on the sub QoS setting from subscriber to send this message.

For example, if the data is using pub QoS=2 to publish to broker, and user use Sub QoS=2 to subscribe the data, then the receive QoS will be 2, which is seeing four-way handshake between broker and subscriber(ADAM).

If publish QoS is 2, but user use sub QoS=1 to subscribe data, then it will only show two-way handshake between broker and subscriber(ADAM).