

MQTT Engine Primary Host Control

Abstract

This feature allows the control of the MQTT Engine client connect and STATE message publish based on the state of one or more Ignition tags. This can be useful if you have multiple services at a Central Gateway, such as MQTT Engine and Cloud Injectors, that all need to be online before any Edge data should be sent.

The configuration for the Primary Host Control utilizes Primary Host Control Tags. MQTT Engine will "scan" these control tags every two seconds and if they have a good Quality and their value matches the defined value configured, the MQTT Engine client will then connect to its defined MQTT Server(s) and publish its STATE message.

If the Primary Host control tag evaluation fails, the MQTT Engine client will not connect to its defined MQTT Server(s) or will disconnect from its defined MQTT Server(s) if already connected.

 Available in MQTT Engine module version 4.0.11+

Configuration

The configuration is available under the General tab in the Main section.

Enable Primary Host Subscriptions	<input type="checkbox"/> Enables/disables subscriptions on 'STATE/#' and 'State/#' topics for DEBUGGING purposes (ignored if 'Primary Host ID' is set)
Primary Host Control Tags	<div><div>[AWS Injector]AWS Injector Info/Kinesis/AWS Kinesis Stream 1/Online,Boolean,true; [System]Gateway/Database/MySQL/Available,Boolean,true; [default]WritableShort1,Short,4;</div><div>A semicolon separated list of comma separated Primary Host control tag triples (e.g. 'fullTagPath1,tagType1,tagValue1;fullTagPath2,tagType2,tagValue2; ...'). The control tags will need to exist, have a Good quality, have the specified tag DataType and specified tag value before the Primary Host will connect and publish its STATE message. Supported tag DataTypes are: Byte, Short, Integer, Long, Float, Double, Boolean and String.</div></div>

- **Primary Host Control Tags**
 - A semicolon separated list of comma separated Primary Host Control tags triples (e.g., tagPath1,tagDataType1,tagValue1;tagPath2,tagDataType2,tagValue2).
 - Supported tag DataTypes are: Byte, Short, Integer, Long, Float, Double, Boolean and String