# **FAQ: Ignition Modules**

## General

How do I know if my MQTT modules are compatible with my version of Ignition? Which Ignition Datatypes are supported via MQTT? Do I need to do anything special to connect to my TTN (www.thethingsnetwork.org) broker? Why are the parameter labels for the modules displayed oddly in the UI? What do each of the MQTT Modules do in simple terms? How do I find the Self-Signed Certificates loaded for Ignition? How can I reduce the overall bandwidth when using Ignition and MQTT modules over a cellular connection? What are the changes to the STATE message in the Sparkplug v3.0.0 specification? Why am I getting a certificate expired warning when loading a module? What are the recommended IIoT Security Best Practices Are proxy servers supported?

• Proxy servers are currently only supported by the MQTT Google Injector

# **MQTT** Transmission

How do I exclude tags from being included in Transmission Sparkplug message payload? How do I exclude tags from being stored in a configured HistoryStore when Transmission is offline? What does the MQTT 'Transmission Control/Refresh' in the MQTT Transmission tag provider do? Why is my history store flushing slowly and the current live values not being sent? I created a Transmitter but my MQTT Transmission module does not show connections to my MQTT Server I have data that is toggling between stale and healthy at my subscribing MQTT Client How do I limit tag properties from being published by Transmission? How do I minimize data loss when using MQTT Store and Forward? How do I determine the settings for an MQTT History Store? Why are my tag properties not being published by MQTT Transmission? Can I send a Sparkplug JSON formatted command to MQTT Transmission? How do I exclude UDT definitions from being included in Transmission Sparkplug BIRTH message? What is the CMD workflow between MQTT Engine and MQTT Transmission How do I know how many MQTT clients are connected from MQTT Transmission How can I set the QoS or retain flag for MQTT Transmission published messages

# **MQTT Engine**

How do I persist alarm and history configurations for MQTT Engine tags?

How do I manage UDT definition changes at the edge?

I made a update to a UDT and now my data is now longer reporting

I deleted my MQTT Engine tags and lost all alarm and history configuration

If I delete and update a UDT definition in MQTT Engine will all of the existing instance's member Tags lose their custom properties and configurations (such as history)?

• Yes, if a UDT definition is deleted and recreated, any existing UDT instances will lose any custom properties and/or configuration.

How do I ignore or block tag properties at Engine?

How do I expose MQTT Engine as an Ignition OPC UA tag provider

How do I configure MQTT Engine to subscribe on QOS1 for non Sparkplug message

How do I resolve out of order messages arriving at MQTT Engine from a server that does not guarantee in order delivery of messages

How can I synchronize events at MQTT Engine when using tag change scripts

Why do I see Sparkplug B namespace messages in my custom namespace folders?

MQTT Engine will match ALL namespaces for any incoming message. If MQTT Engine is receiving only custom namespace messages, we recommend disabling the default Sparkplug B default namespace. If MQTT Engine is receiving messages from both the Sparkplug B default namespace and a custom namespace, you will need to ensure that your custom namespace subscription is refined so as not to pick up the messages from the Sparkplug B namespace (spBv1.0/.....)

How do I manage MQTT messages with changing payload JSON structure at MQTT Engine

What is the CMD workflow between MQTT Engine and MQTT Transmission

How do I know how many MQTT Clients are connected from MQTT Engine

How do I know how many Sparkplug EdgeNodes are connected at MQTT Engine

#### MQTT Distributor

How many simultaneous MQTT Client connections can MQTT Distributor support?

Where can I see my MQTT Distributor license option?

How do I know how many MQTT Clients are connected to MQTT Distributor?

## **Cloud Modules**

Why I am seeing Quality codes in Injector payloads that are wrong/undocumented? For example, '-2147483133' instead of '515' for Bad\_Disabled?

Why are my connections to AWS IoT oscillating?

What is the JSON format for the messages published from the Cloud Injector modules?

How can I increase throughput for the Azure Injector?

#### **Driver Modules**

Where is the Emerson ROC Driver configuration data stored?

How do I resolve No Meter/Station ID found errors for Emerson ROC

How do I publish data from EFM Modules?

## **Additional Resources**

- Inductive Automation's Ignition download with free trial

   Current Ignition Release
- Cirrus Link Solutions Modules for Ignition
  - Ignition Strategic Partner Modules
- Support questions
  - Check out the Cirrus Link Forum: https://forum.cirrus-link.com/
     Contact support: support@cirrus-link.com
- Sales questions
  - Email: sales@cirrus-link.com
  - Phone: +1 (844) 924-7787
- About Cirrus Link
  - https://www.cirrus-link.com/about-us/