

# FAQ: Ignition Modules

## General

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[Which Ignition Datatypes are supported via MQTT?](#)

[Do I need to do anything special to connect to my TTN \(www.thethingsnetwork.org\) broker?](#)

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[What do each of the MQTT Modules do in simple terms?](#)

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[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](#)

[Unable to download or run a scheduled Ignition GWBK](#)

[Ignition UI is showing Internal error when attempting to access Cirrus Link Module configuration](#)

## MQTT Transmission

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[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?](#)

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[How do I test my MQTT Transmission History Store configuration?](#)

[What is the difference between a REBIRTH request from MQTT Engine and REFRESH at MQTT Transmission?](#)

## 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](#)

[Can I publish non Sparkplug MQTT messages from MQTT Engine?](#)

[What is Primary Host ID and how do I use it?](#)

[How do I determine what string replacement I need?](#)

[How do I write to an Edge device from a custom namespace tag?](#)

[What is the difference between a REBIRTH request from MQTT Engine and REFRESH at MQTT Transmission?](#)

## 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?](#)

[Can I use IAM Roles instead of AWS access/secret keys?](#)

The option to use an AWS EC2 instance with an AWS IAM role as an alternative to AWS access and secret keys was added in release 4.0.22.

Review the 'Use AWS Keys' option here: [AWI: Configuration - MQTT Modules for Ignition 8.x - Confluence](#). When unchecked, with the 'AWS Access Key' and 'Password/AWS Secret Key' blank, you can use an AWS EC2 instance role for auth.

See the AWS document [IAM roles for Amazon EC2 - Amazon Elastic Compute Cloud](#) for details on the setting up an IAM role with the appropriate policy for access to the Kinesis Stream or Firehose

## 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?](#)

[How do I configure EFM ABB Totalflow to poll specific Holding Registers](#)

## 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](mailto:support@cirrus-link.com)
- Sales questions
  - Email: [sales@cirrus-link.com](mailto:sales@cirrus-link.com)
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