

Ignition 8.x Compatible Release Notes

- [Sign up for Software Release Notifications](#)

Cirrus Link recommends our Customers always thoroughly test new module versions in a test environment before releasing to production.

- **Color Code:** [Bug Fix](#), [Feature/Enhancement](#), [Optimization](#)

Cirrus Link Modules for Ignition v4.0.2 - October 11, 2019

- General (All Modules)
 - [Security improvements](#)
 - [Added validation to ensure passwords can not be null, empty, or only whitespace](#)
 - [Added ability to delete certificates from configurations](#)
 - [Updated all existing password/secret configuration fields to use the "enter twice" validation](#)
 - [Various minor bug fixes](#)
- MQTT Distributor
 - [Add support for spaces in ACL topics](#)
- MQTT Engine
 - [Added support for updating/changing incoming tag datatypes](#)
 - [Added 'Hostname Verification' setting to optionally enable TLS hostname verification](#)
 - [Added support for configuring which Tag properties get filtered/ignored on incoming publishes](#)
 - [Improved tracking of BIRTH/DEATH counts](#)
 - [Fixed Custom Namespace support for periods \("."\) in MQTT topics, now interpreted as folder separator in the resulting tag path](#)
 - [Fixed "Online Nodes" dataset initialization error](#)
 - [Fixes for handling legacy quality types](#)
- MQTT Transmission
 - [Replaced "Default Transmitter" with new "Example Transmitter" and associated example Tags.](#)
 - [Made the publishing of UDT definitions in BIRTH messages configurable](#)
 - [Added 'Last Refresh' Tag to denote time of last Refresh button click](#)
 - [Added 'Refresh Required' Tag to denote if an MQTT Transmission refresh is required/needed](#)
 - [Added protection against configuring the same History Store setting on multiple Transmitters](#)
 - [Added 'Hostname Verification' setting to optionally enable TLS hostname verification](#)
 - [Added support for configuring which Tag properties get published](#)
 - [Fixed publishing of derived tags, OPC tags, and other indirect types](#)
- AWS Injector
 - [Added support for configuring which Tag properties get published](#)
- Azure Injector
 - [Added support for configuring which Tag properties get published](#)
- Google Cloud Injector
 - [Added support for configuring which Tag properties get published](#)
- IBM Cloud Injector
 - [Added support for configuring which Tag properties get published](#)
- Opto22 groov EPIC and SNAPPAC Driver
 - [Added scanner refresh control Tag](#)

Cirrus Link Modules for Ignition v4.0.1 - June 19, 2019

- AWS Injector
 - [Fixed support for auto-detected Edge Nodes in tag trees](#)
 - [Various tag path handling fixes](#)
 - [Various UDT fixes](#)
 - [Improvements to handling of null values](#)
 - [Added Agent record validation in Web UI configuration](#)
- Azure Injector
 - [Fixed support for auto-detected Edge Nodes in tag trees](#)
 - [Various tag path handling fixes](#)
 - [Various UDT fixes](#)
 - [Improvements to handling of null values](#)
 - [Added Agent record validation in Web UI configuration](#)
 - [Fixed publishing of NBIRTH messages for Event Hubs](#)
- Google Cloud Injector
 - [Fixed support for auto-detected Edge Nodes in tag trees](#)
 - [Various tag path handling fixes](#)
 - [Various UDT fixes](#)
 - [Improvements to handling of null values](#)
 - [Added Agent record validation in Web UI configuration](#)
- IBM Cloud Injector
 - [Fixed support for auto-detected Edge Nodes in tag trees](#)
 - [Various tag path handling fixes](#)
 - [Various UDT fixes](#)
 - [Improvements to handling of null values](#)
 - [Added Agent record validation in Web UI configuration](#)
- MQTT Distributor
 - [None](#)
- MQTT Engine
 - [Fixed online status info tags to denote the proper values](#)

- Added support for Ignition7/Transmission to publish to Ignition8/Engine with quality code translations
 - Fixed multiple tag write issues
 - Various tag path handling fixes
 - Fixed issues with property merging in MQTT Engine
 - Various UDT fixes
 - Fixed typing of JSON tags in custom namespaces
- MQTT Transmission
 - Improved Transmitter field validation in the Web UI configuration
 - Added support for multiple tag paths in a single Transmitter configuration
 - Added support for additional topic tokens to be published via special char sequence in a Sparkplug Device folder
 - Fixed multiple tag write issues
 - Fixed support for auto-detected Edge Nodes in tag trees
 - Fixed issue that could result in Transmitter Threads running after Transmission shutdown
 - Various tag path handling fixes
 - Various UDT fixes
 - Improvements to handling of null values
 - Fixed connected Server URL info tag handling
 - Added sorting of UDT definitions to ensure proper order for creation of UDTs
 - Added batching and caching components to improve performance
 - Fixed alias support
 - Improvements to Disk-backed history stores
- Opto22 groov EPIC and SNAPPAC Driver
 - None

Cirrus Link Modules for Ignition v4.0.0 - May 13, 2019

- AWS Injector
 - Initial port to Ignition8
- Azure Injector
 - Initial port to Ignition8
- Google Cloud Injector
 - Initial port to Ignition8
- IBM Cloud Injector
 - Initial port to Ignition8
- MQTT Distributor
 - Initial port to Ignition8
- MQTT Engine
 - Initial port to Ignition8
 - Known issues
 - Throughput is not as good as it was in Ignition 7 compatible modules
- MQTT Transmission
 - Initial port to Ignition8
 - Removed default transmitter and now seed a default transmitter with the same functionality as the old default transmitter
 - Added support for multiple tag paths to a single transmitter
 - Added custom property to 'exclude tags' from payloads
 - Added custom property to specify which tags changes events will be stored in store and forward cache
 - Known issues
 - Throughput is not as good as it was in Ignition 7 compatible modules
- Opto22 groov EPIC and SNAPPAC Driver
 - Initial port to Ignition8
 - Improved tag writing throughput working with massive tag lists and during episodes of congested writes
 - An initially scanned floating point value of Not-A-Number (NaN) is better handled
 - Scanner waits for acceptance of tags before publishing data
 - Duplicate tag definitions are prevented
 - In extreme cases, 32- and 64-bit integer values may have erratically updated