

Ignition 8.x Compatible Release Notes

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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