Transmission Custom Tag Properties

MQTT Transmission supports custom tag properties to enable certain features. Creating custom properties on MQTT tags is a simple process and is no different than custom properties on any other Ignition tag (as documented here).

> ✓ A refresh of the associated Transmitter will be required after any custom tag property is added, removed or updated

Custom Tag Properties

ExcludeFromPayload

Name: ExcludeFromPayload

Type: Boolean

Action: Controls whether or not a tag is included in Transmission Sparkplug message payloads.

> ⚠ Prior to v4.0.16, UDTs are not supported.
>
> From v4.0.16 onward when applied to a UDT Definition, the UDT definition will not be added to the NBIRTH payload. If a nested UDT definition has the 'ExcludeFromPayload' property is set to 'true', the parent UDT will also be excluded from payload.

StoreAndForward

Name: StoreAndForward

Type: Boolean

Action: Controls whether or not a tag is stored in a configured HistoryStore when Transmission is offline.

This property works together with the **Enable History Storage by Default** property set in MQTT Transmission under the Settings > Transmitters > History Settings tab. If added to a tag and set to the reverse of the global parameter, it will override the global setting for that specific tag.

TagEventTracer

Name: TagEventTracer

Type: Boolean

Action: Controls whether or not a tag event tracing is generated for this tag.

- Logs the timestamp (human readable and ms since epoch) and value when the BIRTH is built
- Logs a timestamp (human readable and ms since epoch) and every time that tag changes and its value
- Log a timestamp and value when a metric push happens

> ⚠ Available for any tag consumed by MQTT Transmission or Injector Agents
>
> Available in release 4.0.17 or greater

> ⊙ Applying this custom parameter to multiple tags can result in significant system performance issues