AWI: Tags

AWS Injector automatically creates a known set of folders containing tags for Injector Control and Injector Info.

The tables below describe these tags.

- AWS Injector Control
- AWS Injector Info
    - Agents

AWS Injector Control

Name	Data Type	Description
Discover Edge Nodes	Boolean	A writeable tag to request the BIRTH sequence for any new Edge Nodes to be published and the info tags created in the Azure Injector Info folder (added 4.0.18)
Discover Edge Nodes Required	Boolean	A tag indicating there are new Edge Nodes present on the gateway that have not birthed yet and a Discover Edge Nodes request is required (added 4.0.18)
Last Refresh	DateTime	The time at which the last refresh request was completed (added 4.0.18)
Refresh	Boolean	A writeable tag to request an AWS Injector refresh. This will force all Edge Nodes to disconnect and reconnect resulting in the sending of NDEATH, NBIRTH and DBIRTH messages

AWS Injector Info

Name	Data Type	Description
Redundancy Role	String	The redundancy configuration of the Ignition system that AWS Injector is installed on. Options are Independent, Master and Backup
Redundancy State	String	The redundancy status of the Ignition system that AWS Injector is installed on. Options are Active or Cold
Refresh Required	Boolean	A tag indicating that new tags have been identified by Azure Injector and a refresh is required. The refresh can be accomplished with a full refresh of Azure Injector or by refreshing the individual Edge Node affected (available 4.0.18)
Version	String	The version of AWS Injector currently installed

Agents

For each Tag Agent, a tag tree will be created with the tag path of TagAgentName > TagPath > GroupID > EdgeNodeID

Name	Data Type	Description
Enable Tag Tracking	Boolean	Writable tag to control whether or not to update Tags Per Seconds (added 4.0.17)
Largest Mesg Xmit (bytes)	Long	The largest message size in bytes sent by the Edge Node since the last time the metrics were reset via the Edge Node Reset Metrics tag
Largest Mesg Xmit Timestamp	DateTime	The time at which the largest message was sent by the Edge Node since the last time the metrics were reset via the Edge Node Reset Metrics tag
Last Refresh	DateTime	The time at which the last Edge Node refresh request was completed
Refresh Edge Node	Boolean	A writeable tag to request a refresh of the Edge Node. This will force the Edge Node to disconnect and reconnect resulting in the sending of NDEATH, NBIRTH and DBIRTH messages (added 4.0.18)
Refresh Required	Boolean	A tag indicating the new tags have been identified by AWS Injector for this Edge Node and a refresh is required.
Reset Metrics	Boolean	A writable tag to reset the metrics for this Edge Node
Tags Per Second	Long	The number of tags changes published per second with the value updated every two seconds (added 4.0.17)

Total Bytes Xmit (bytes)	Long	The number of bytes sent by the Edge Node since the last time the metrics were reset via the Edge Node Reset Metrics tag
Total Mesg Xmit	Long	The number of messages sent by the Edge Node since the last time the metrics were reset via the Edge Node Reset Metrics tag

A folder will be created for each configured AWS connection using the Name property from the connection configuration setting as the folder name.

Name	Data Type	Description
Bytes Per Second	Long	The average number of bytes per second pushed by the Edge Node since module restart
Bytes Pushed	Long	The number of bytes pushed by the Edge Node since module restart
Bytes Queued	Long	The number of bytes queued to be pushed from the Edge Node since module restart
Enabled	Boolean	A tag showing the Enabled/Disabled status of the connection
Messages Failed	Long	The number of messages that failed to be pushed from the Edge Node since module restart
Messages Per Second	Float	The average number of messages pushed per second from the Edge Node since module restart
Message Push Time Average (ms)	Long	The average time in milliseconds for each message to be pushed from the Edge Node since module restart
Messages Pushed	Long	The number of messages pushed by the Edge Node since module restart
Messages Queued	Long	The number of messages queued to be pushed by the Edge Node since module restart
Messages Size Average (bytes)	Long	The average message size in bytes pushed by the Edge Node since module restart
Message Size Max (bytes)	Long	The largest message size in bytes pushed by the Edge Node since module restart
Messages Stored	Long	The number of messages stored to be pushed, if Store and Forward is enabled, since module restart
Offline DateTime	DateTime	The last time at which the MQTT Client successfully disconnected from the AWS Kinesis or DynamoDB
Online	Boolean	A read-only tag showing the connection status of the MQTT Client
Online DateTime	DateTime	The last time at which the MQTT Client successfully connected to the AWS Kinesis or DynamoDB