## 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<br>Type   | Description  |  |
|---------------------------------|--|--|--|
| Discover Edge<br>Nodes          | Boolean  | A writeable tag to request the BIRTH sequence for any new Edge Nodes to be published and the info tags created the Azure Injector Info folder (added 4.0.18) |  |
| Discover Edge<br>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                    | DateTi<br>me   | The time at which the last refresh request was completed (added 4.0.18)  |  |
| Refresh                         | resh 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<br>Type | Description  |
|----------------------|--------------|--|
| Redunda<br>ncy Role  | String       | The redundancy configuration of the Ignition system that AWS Injector is installed on. Options are Independent, Master and Backup  |
| Redunda<br>ncy State | String       | The redundancy status of the Ignition system that AWS Injector is installed on. Options are Active or Cold   |
| Refresh<br>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<br>Type | Description  |  |  |  |
|--------------------------------|--------------|--|--|--|--|
| Enable Tag<br>Tracking         | Boolean      | Writable tag to control whether or not to update Tags Per Seconds (added 4.0.17)   |  |  |  |
| Largest Mesg<br>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<br>Xmit Timestamp | DateTi<br>me | 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                   | DateTi<br>me | The time at which the last Edge Node refresh request was completed   |  |  |  |
| Refresh Edge<br>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<br>(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<br>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<br>(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           |