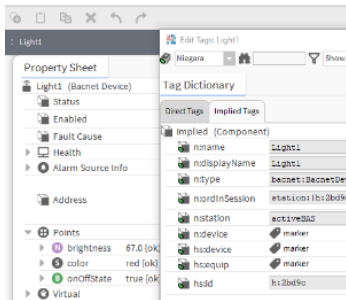# Data Types

Devices

Devices can be a Niagara network device or any Niagara container containing points (such as a Folder)

Tags

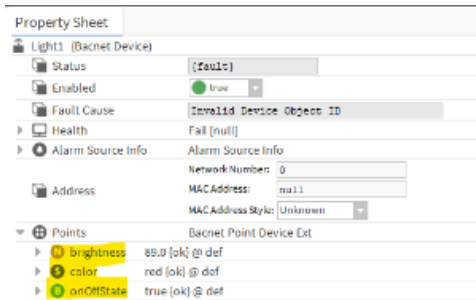The tags are metadata added to the device to help identify it and simplify its management.

Points

In the Niagara framework points are the building blocks of any IoT application. A point is a component that can read or write a sensor value for example: **Light Brightness** or **Color**.
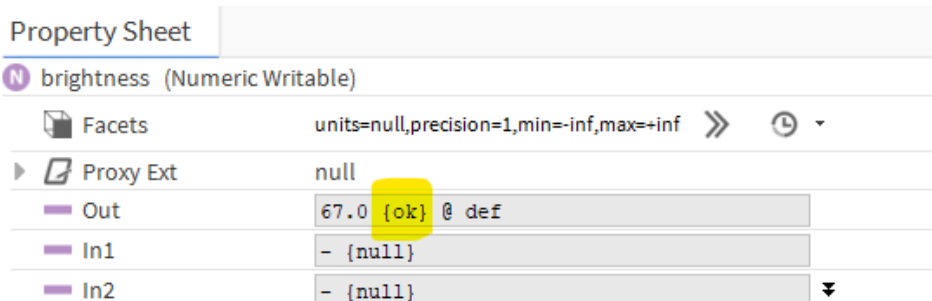
Values

Points have a current value.

State

In addition to the value the point has also a state which represent the current status of the sensor.

Tags

The tags are metadata added to the points to help identify it and simplify its management.

Histories

The data generated by the points can be recorded and saved on disk for later use. and called a points history.

Timestamp	Trend Flags	Status	Value
06-Oct-20 2:40:51 PM CEST	{start}	{ok}	89.0
06-Oct-20 2:42:05 PM CEST	{}	{ok}	67.0

Alarms

Alarms are incidence that points generate when an abnormal behavior is detected for example a **Temperature > 60°**

Timestamp	Source State	Ack State	Source	Alarm Class	Priority	Message
06-Oct-20 4:23:11 AM CEST	Normal	Unacked	slot:/Services/BtibService/externalConnectors/realtimeConnector/MongoDbRTConnector/ContinuousTest/Latency/MongoPointTestExt	Default Alarm Class	255	Cannot se
06-Oct-20 11:14:22 AM CEST	Normal	Unacked	slot:/Services/BtibService/externalConnectors/realtimeConnector/MongoDbRTConnector/ContinuousTest/Latency/MongoPointTestExt	Default Alarm Class	255	Unknown
06-Oct-20 11:16:02 AM CEST	Normal	Unacked	slot:/Services/BtibService/externalConnectors/realtimeConnector/MongoDbRTConnector/ContinuousTest/Latency/MongoPointTestExt	Default Alarm Class	255	Unknown

References

References are used to represent a remote resource such as a maintenance CMMS work order, a SharePoint document, an incident etc.

Reference of the station

Name
📋 myRef
📋 myRef1