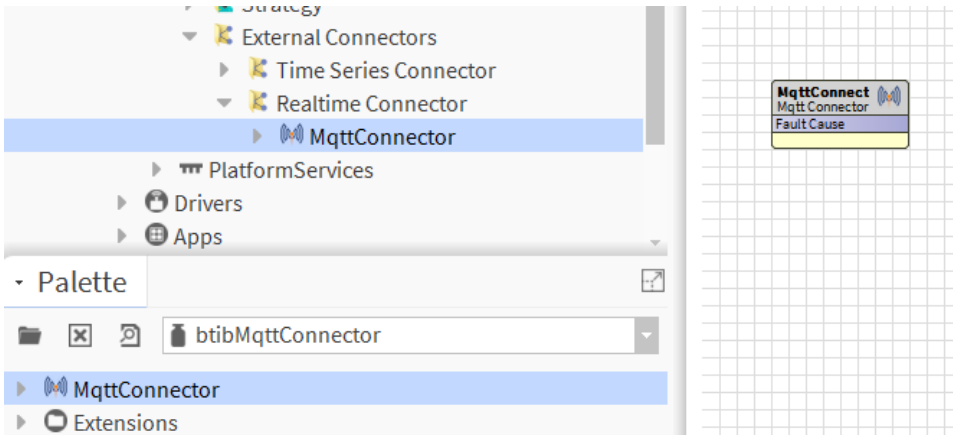


Step 2 Set up the MQTT connector for devices, points and references

Let's configure Niagara as a MQTT client and start sending your first messages over MQTT.

Set up the connector

1. Open the palette btibMqttConnector and drag & drop the **MqttConnector** component inside Services > BtibService > External Connectors > Realtime Connector

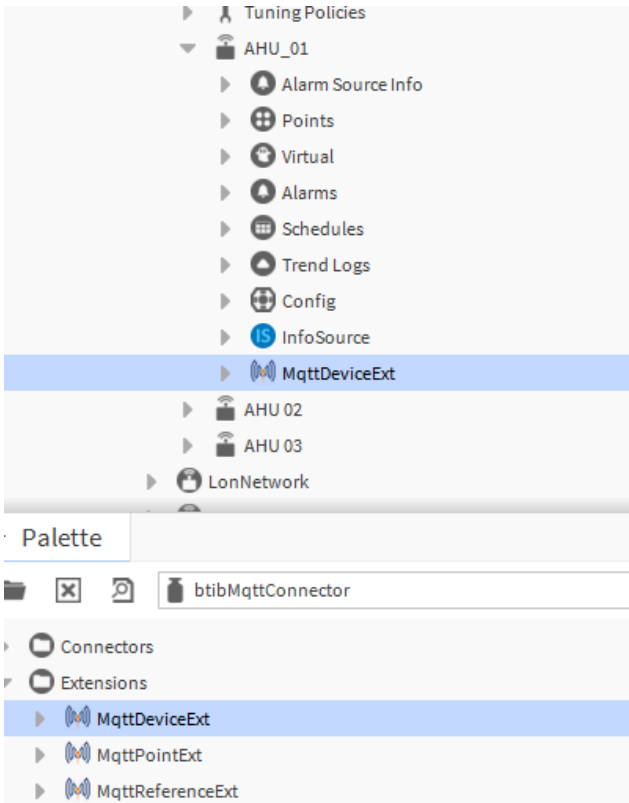


2. Double click on the connector and fill all the information of the server

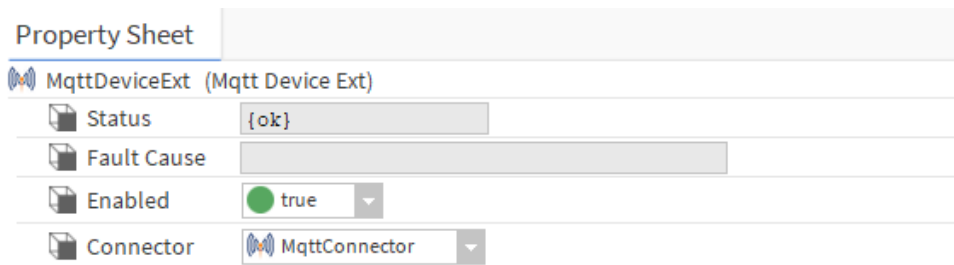
Property Sheet	
MqttConnector (Mqtt Connector)	
Log Ext	System Log Ext
Status	{ok}
Fault Cause	
Enabled	<input checked="" type="checkbox"/> true
Last Attempt	20-Oct-2020 03:49 PM CEST
Last Success	20-Oct-2020 03:49 PM CEST
Last Failure	21-Sep-2020 12:31 PM CEST
Use Data Retention	<input checked="" type="checkbox"/> false
Data Retention Duration	+00072h 00m 00s
Data Send Retry Duration	+00000h 01m 00s
Messages Thread Pool Size	5
Advanced Config	Advanced Config
Mqtt Host	localhost
Port	1883
Ssl	<input checked="" type="checkbox"/> false
Devices Message Topic Format	/devices/{deviceId}/events
Devices State Topic Format	/devices/{deviceId}/state
Devices Service Topic Format	/devices/{deviceId}/service
Devices Subscription Topic Format	/devices/{deviceId}/command/#
Client Id Format	{deviceId}
Service Topic Update Delay	1000
Authentication Schemes	Authentication Schemes Container
FlexSASA	Flex Pane Agent
StatisticsExt	Statistics Ext

Set up a Device

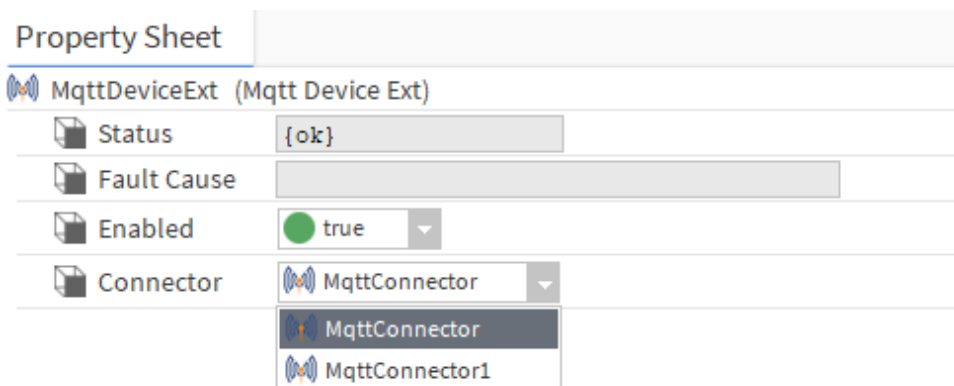
1. From the btibMqttConnector palette, drag and drop the **MqttDeviceExt** to a device or anything that represents a group of points (it might be a Node, a folder etc.)



- a. If you have only one connector the extension will pick it up automatically.

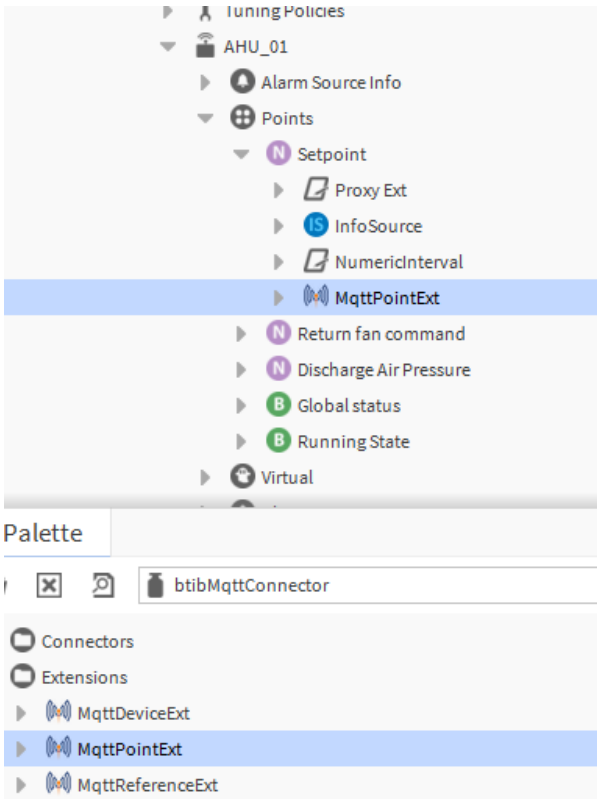


- b. if you have multiple connectors, select the one in the list and hit save



Set up a point

1. From the btibMqttConnector palette, drag and drop the **MqttPointExt** to a point.



2. Edit the device query to point to your device which contains the Device Extension. By default, the extension will look for the parent device but you can change it to use any other component that contains a MqttDevice extension.

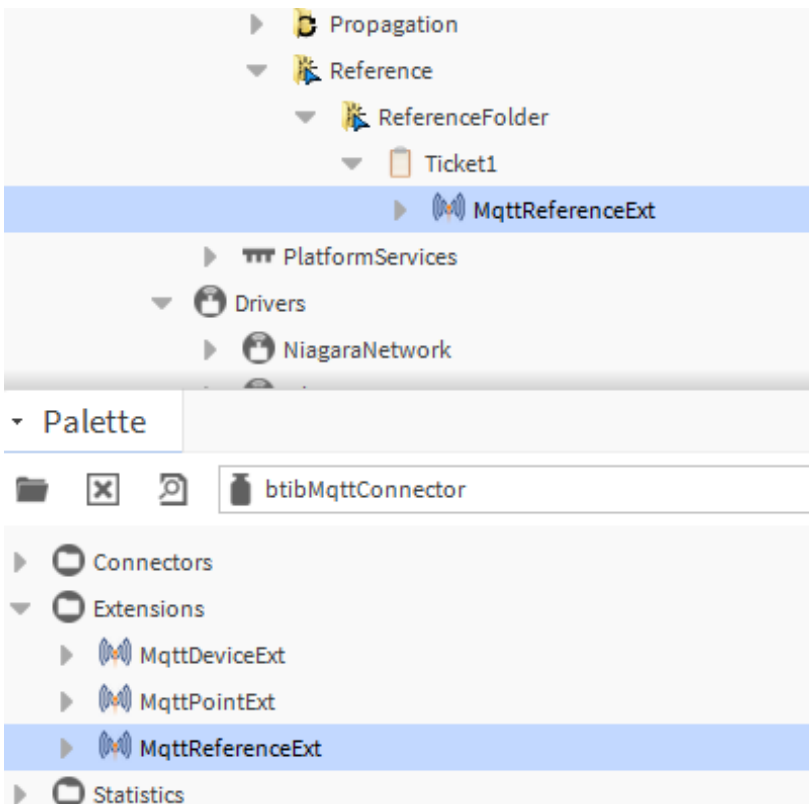
Property Sheet

MqttPointExt (Mqtt Point Ext)

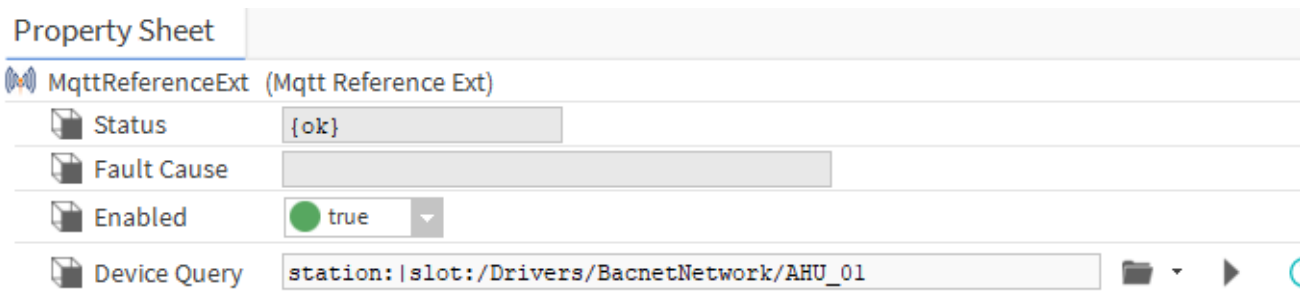
Advanced Config	Advanced Config
Status	{ok}
Fault Cause	
Enabled	<input checked="" type="radio"/> true
Device Query	slot:... neql:traverse n:parentDevice->
Trigger On Value Change Only	<input checked="" type="radio"/> true
Can Write	<input checked="" type="radio"/> true

Setup a reference

1. From the btibMqttConnector palette, drag and drop the **MqttReferenceExt** to a point.



2. Edit the device query to point to your device which contains the Device Extension.



Next step

Step 3 Send messages to MQTT broker from Niagara