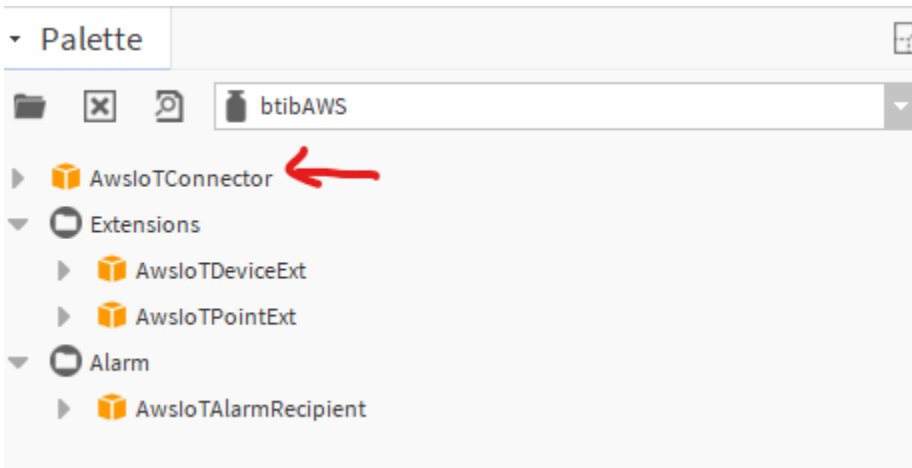


Step 2 Set up AWS connector for devices points and references

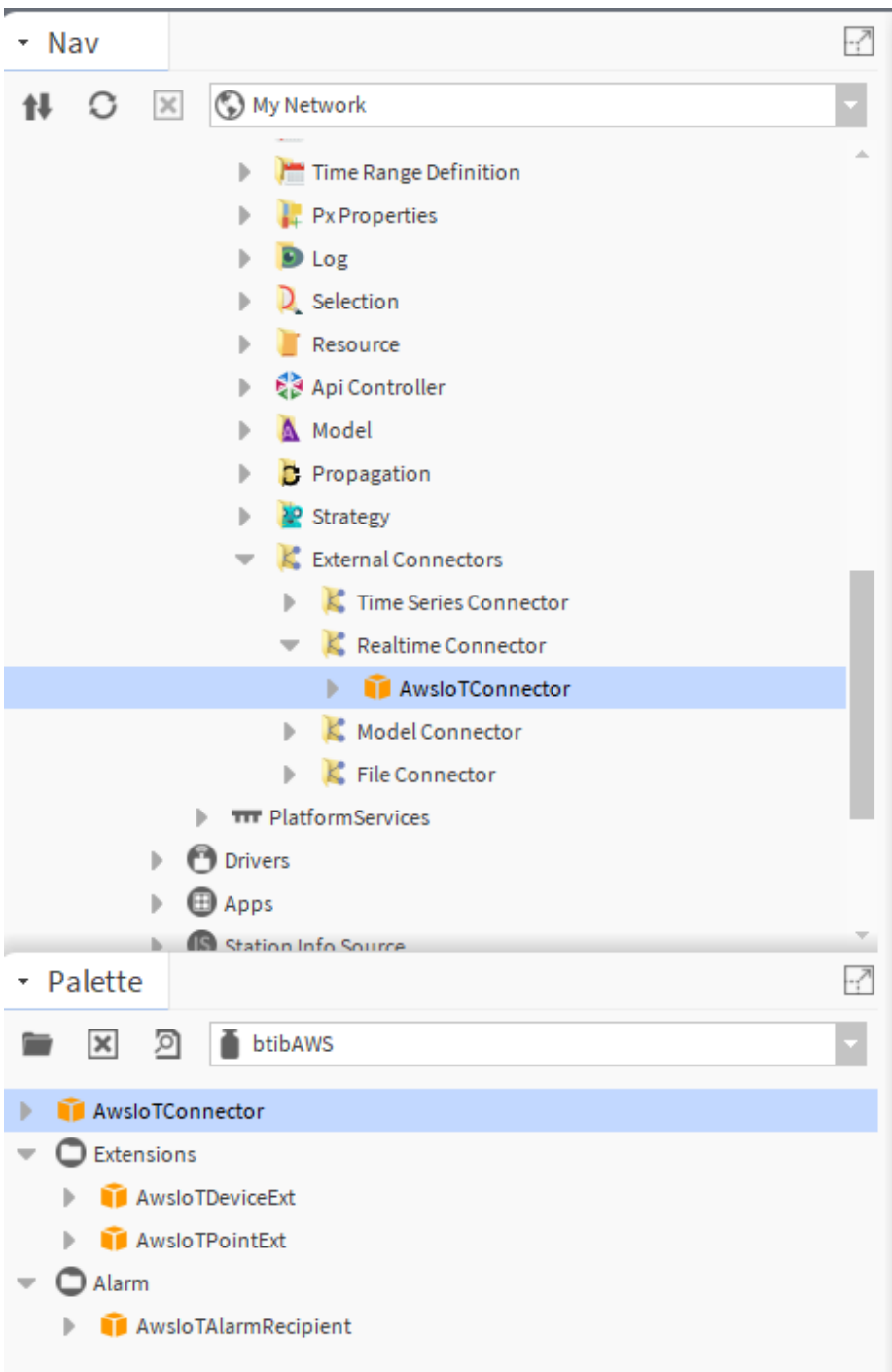
In this step you will setup the AwsIoTConnector to connect Niagara to AWS.

Set up the connector

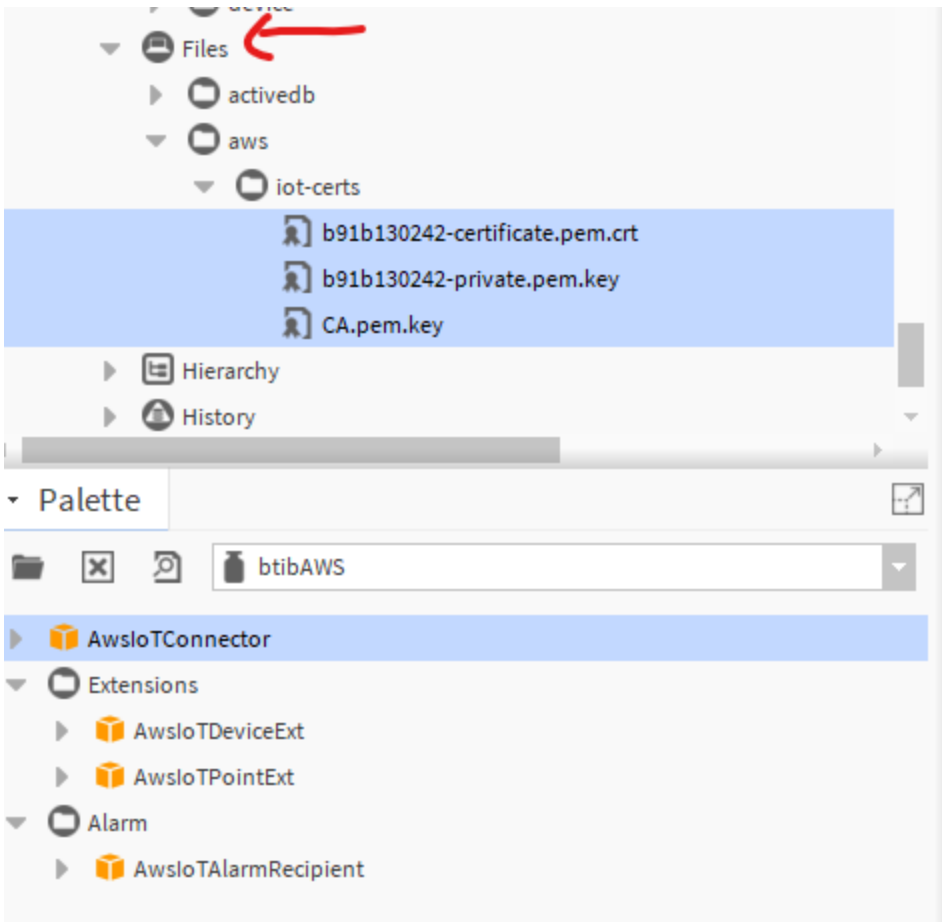
1. Open the btibAWS palette.



2. Drag and drop the connector on the **btibService ExternalConnectors RealtimeConnectors** folder.



3. Copy the certificate, the private and the CA certificate to your station files.



4. Configure your connector.

a. On authentication choose your keys.

Property Sheet	
AWSIoTConnector (Aws IoT Connector)	
Log Ext	System Log Ext
Status	{ok}
Fault Cause	
Enabled	☒ true
Last Attempt	2023-05-15 15:58
Last Success	2023-05-15 15:58
Last Failure	2023-05-15 15:09
Monitor	Connector Ping Monitor
Auto Provision	☐ false
Use Data Retention	☐ false
Data Retention Duration	+00072h 00m 00s
Data Send Retry Duration	+00000h 01m 00s
Messages Thread Pool Size	5
Advanced Config	Advanced Config
Commands Topic	Command Slot Topic
Devices Message Topic Format	/devices/{deviceId}/events
Devices State Topic Format	/devices/{deviceId}/state
Devices Service Topic Format	/devices/{deviceId}/service
Devices Reference Topic Format	/devices/{deviceId}/reference
Devices Schedule Topic Format	/devices/{deviceId}/schedule
Devices Subscription Topic Format	/devices/{deviceId}/command
Authentication	Asymmetric Keys Authentication
Certificate Authority Certificate	file:~ConnectorAWS/VeriSign-Class 3-Public-Primary-Certifica
Client Certificate	file:~ConnectorAWS/1725f857d90383757e538aff0af6c5bc93eb3436f
Client Private Key	file:~ConnectorAWS/1725f857d90383757e538aff0af6c5bc93eb3436f
Aws End Point	https://alh6fzkn9hxrj-ats.iot.eu-west-1..
Aws Region	eu-west-1
Certificate A R N	arn:aws:iot:eu-west-1:178126363112:cert/
Access Key I D	AKIAS6JIHUB43PGXGK
Access Key Secret	*****

 Set Auto Provision to False

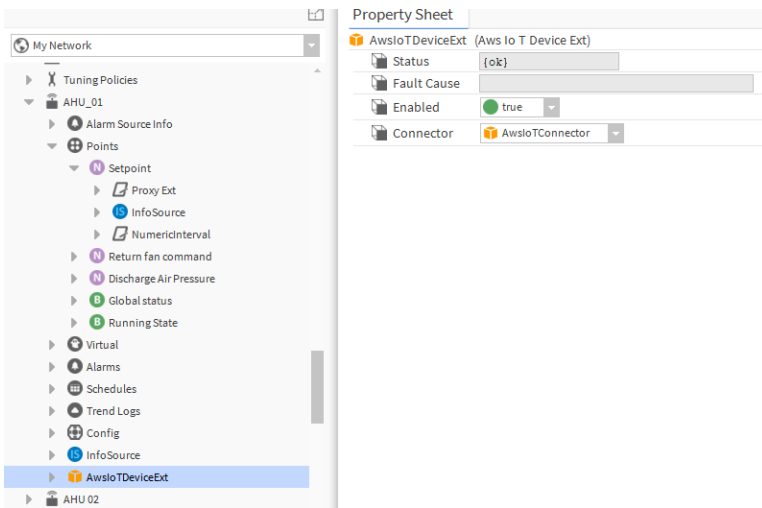
- b. Fill-in the AWS Endpoint
- c. Fill-in the AWS region
- d. Fill-in the ARN certificate you saved before
- e. From the credentials csv file you can get your access key and secret.
- f. Finally enable the connector, you should see a successful status

Device setup

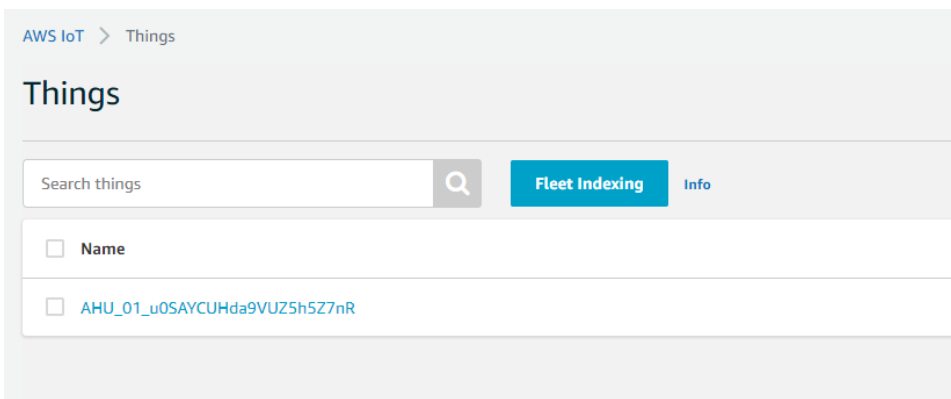
Now the connector is ready, you could configure your devices and points.

To do so:

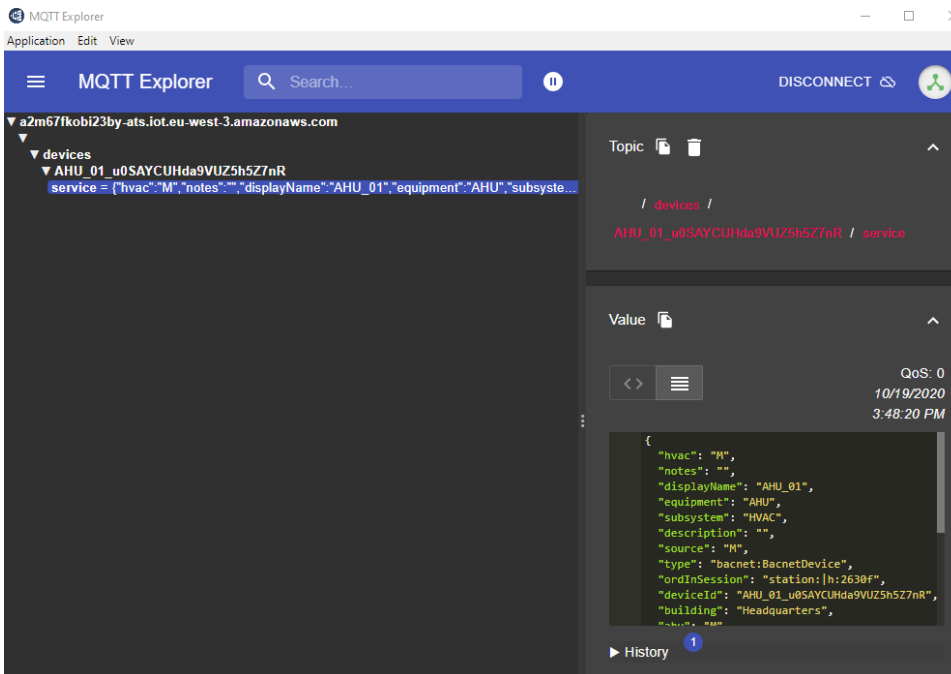
1. Go to Drivers <your network> <your device> and drag and drop the Aws IoT Device Ext to any point container (it may be a folder).



2. You should see your device on the AWS console.

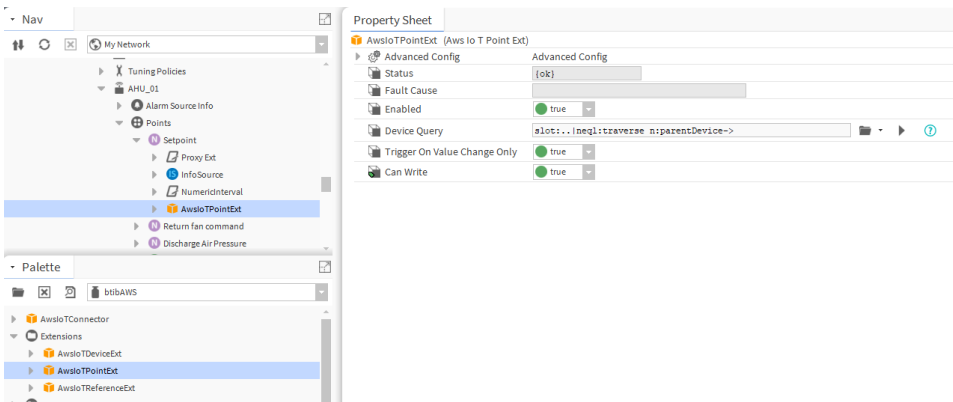


3. Use any mqtt client to inspect messages, you should see tags published under the service topic corresponding to the device

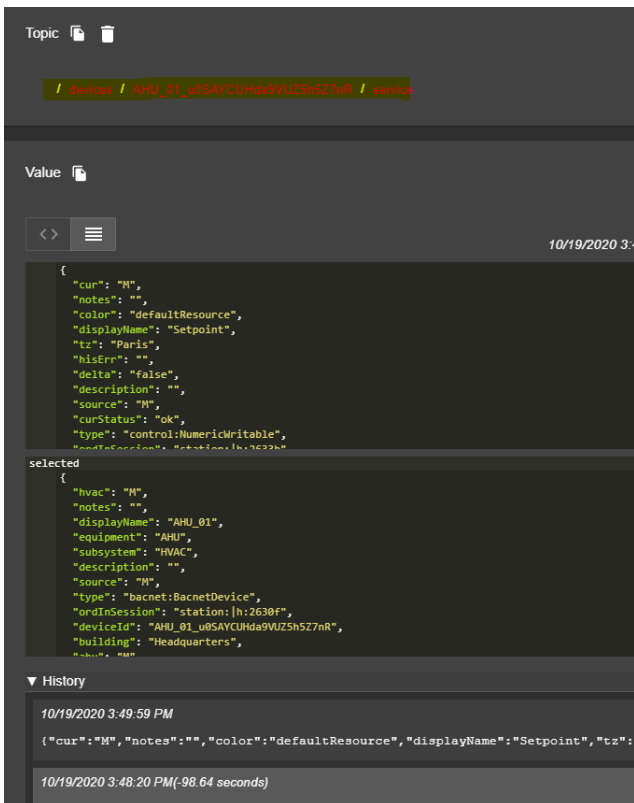


Point Setup

1. Now drag and drop the Aws IoT Point Ext in your point.

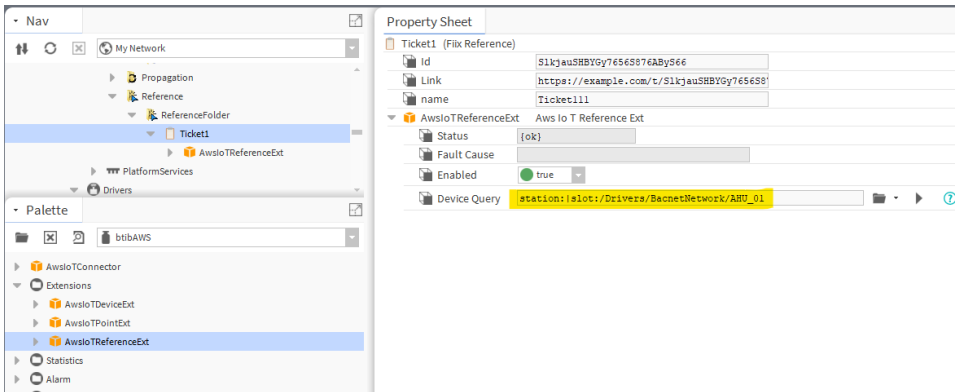


1. On your mqtt client you should see the tags for the point published on the service topic and a message on the events topic

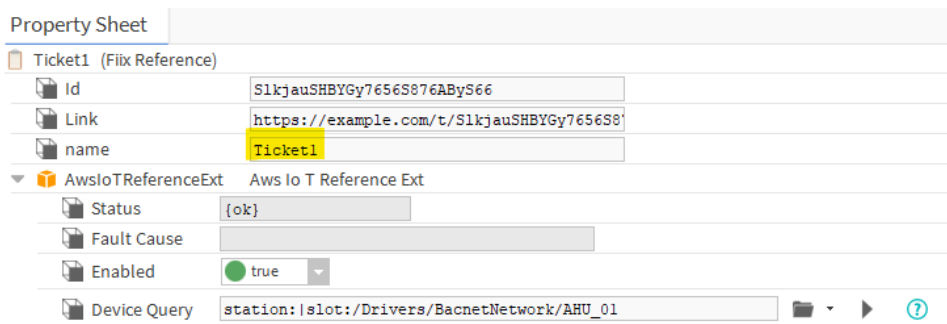


Reference Setup

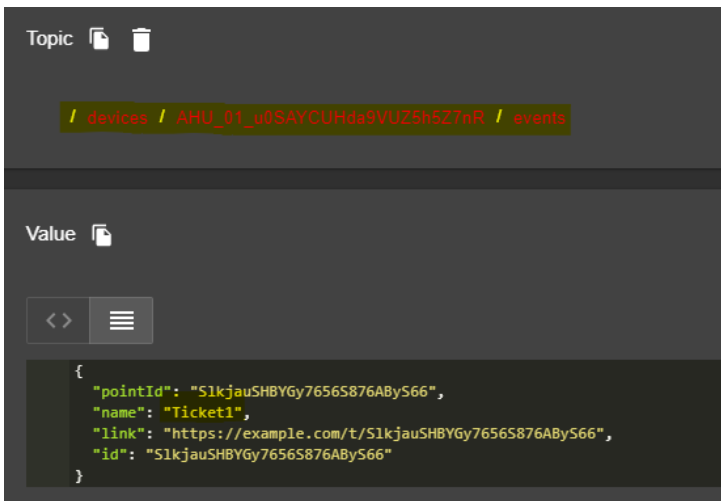
1. Drag and drop the reference extension to the reference component. And sepecify the query for the device to connect to.



2. change any reference property.



3. And you should see the event.



Next Step

[Step 3 Send messages to AWS from Niagara](#)