

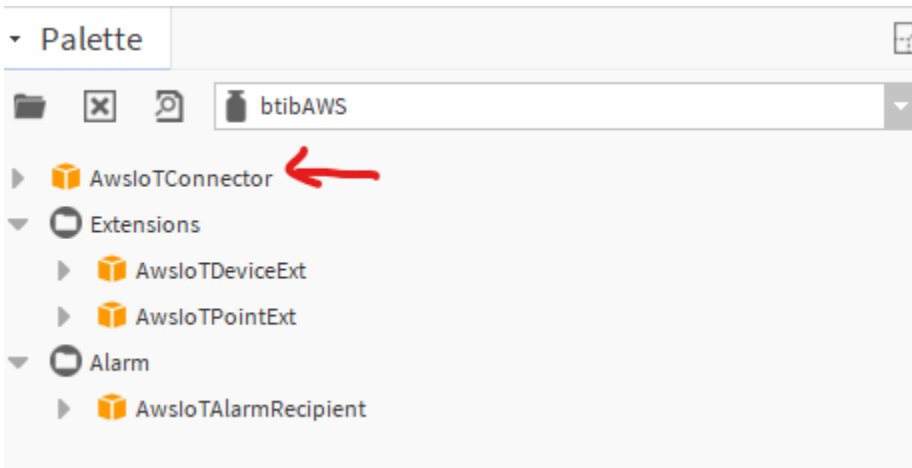
## Step 2 Set up AWS connector for devices points and references

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

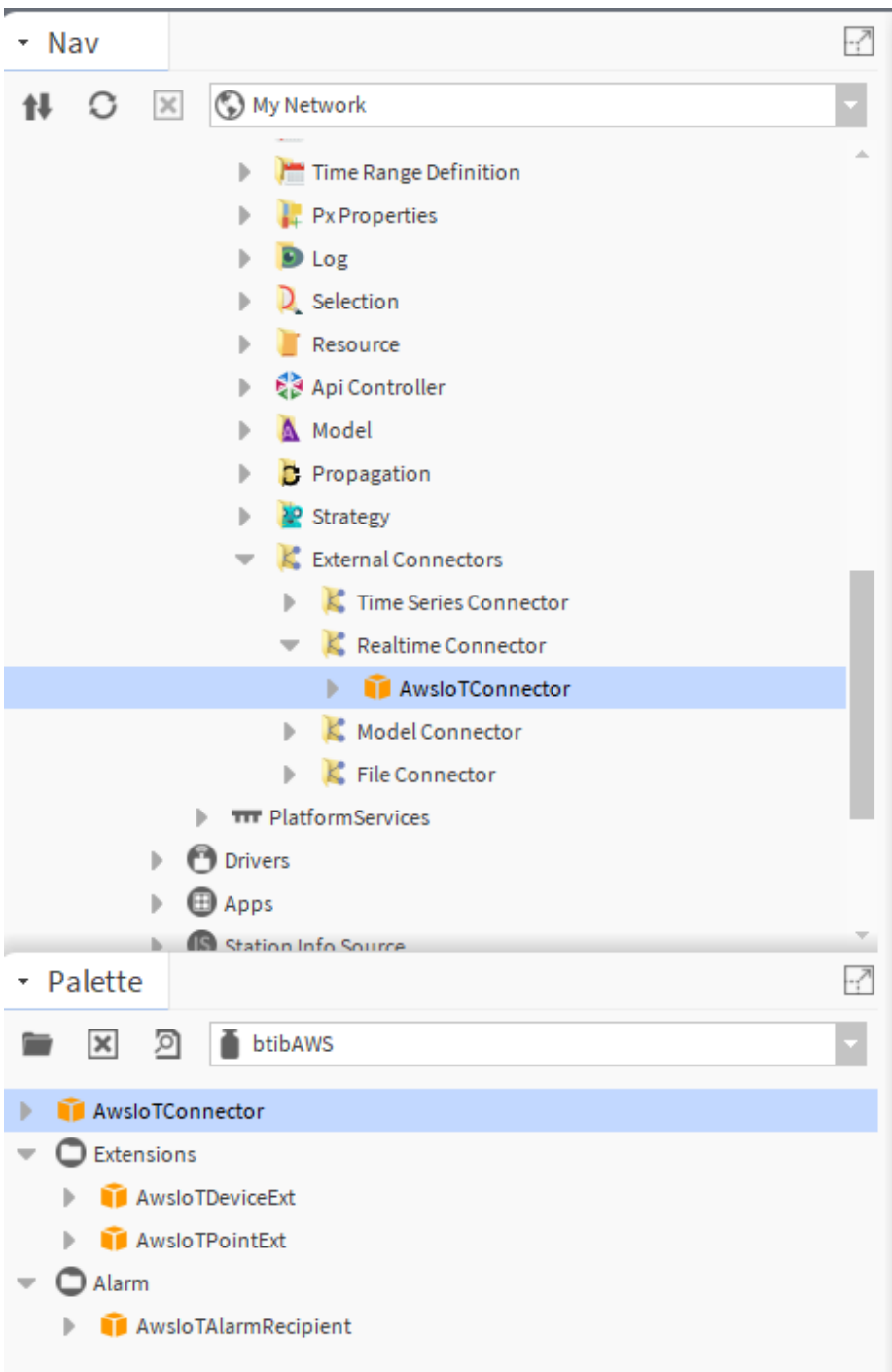
### Set up the connector

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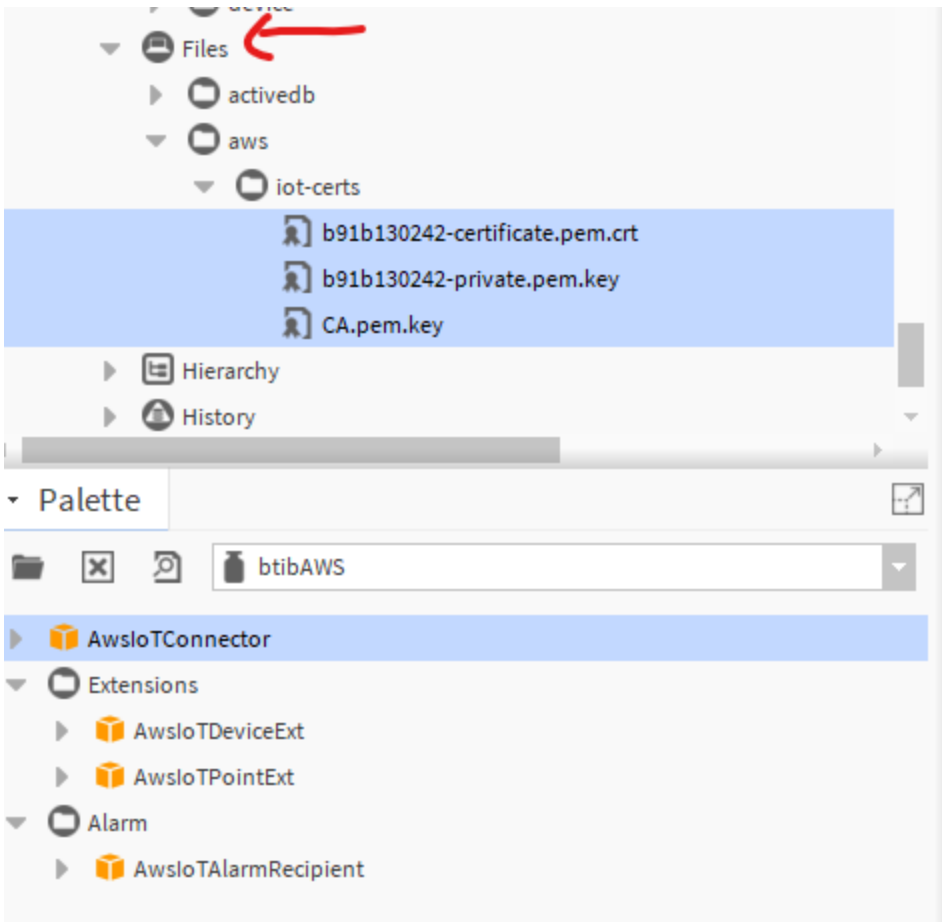
1. Open the btibAWS palette.



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                             | <input checked="" type="checkbox"/> 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                      | <input type="checkbox"/> false                               |
| Use Data Retention                  | <input 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                                              |
| 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

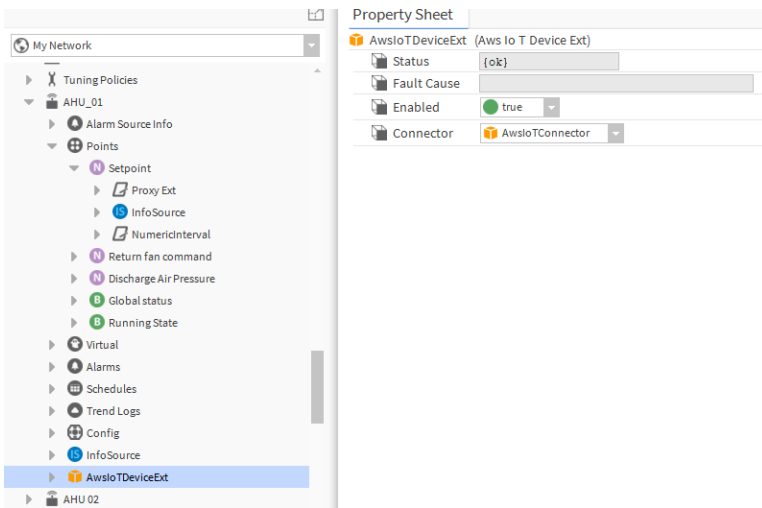
- b. Fill-in the AWS Endpoint
- c. Fill-in the AWS region
- d. Fill-in the ARN certificate you saved before
- e. From the credentials csv file you can get your access key and secret.
- f. Finally enable the connector, you should see a successful status

## Device setup

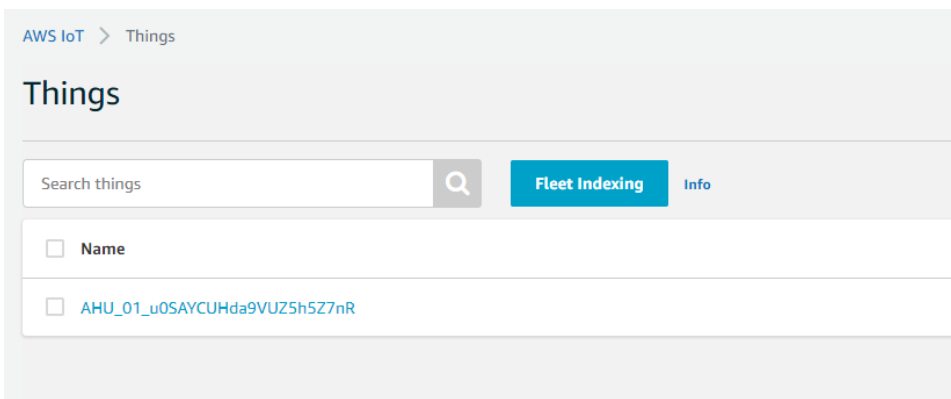
Now the connector is ready, you could configure your devices and points.

To do so:

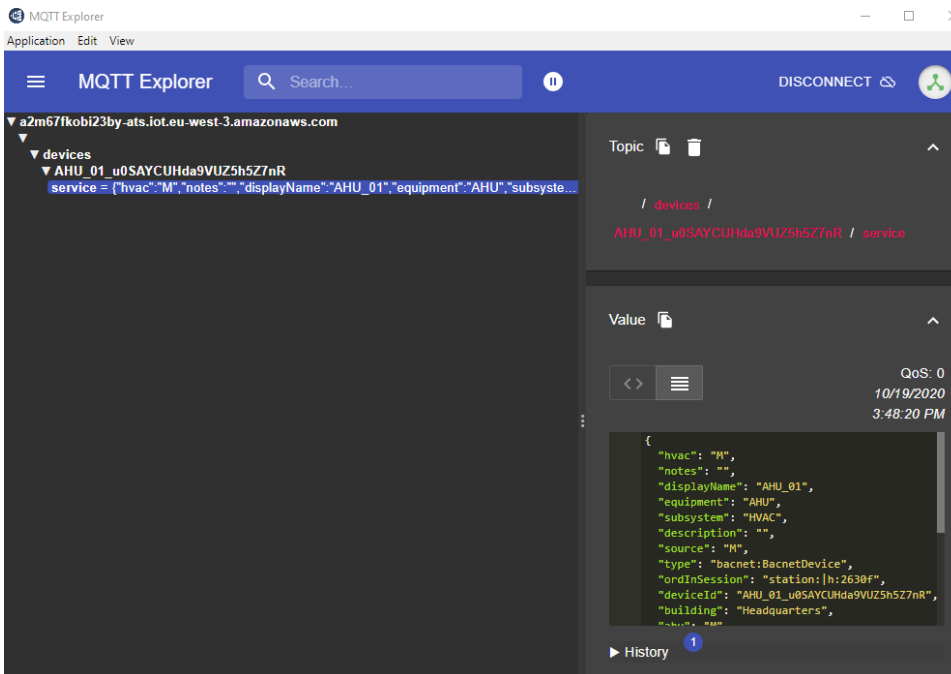
1. Go to Drivers <your network> <your device> and drag and drop the Aws IoT Device Ext to any point container (it may be a folder).



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

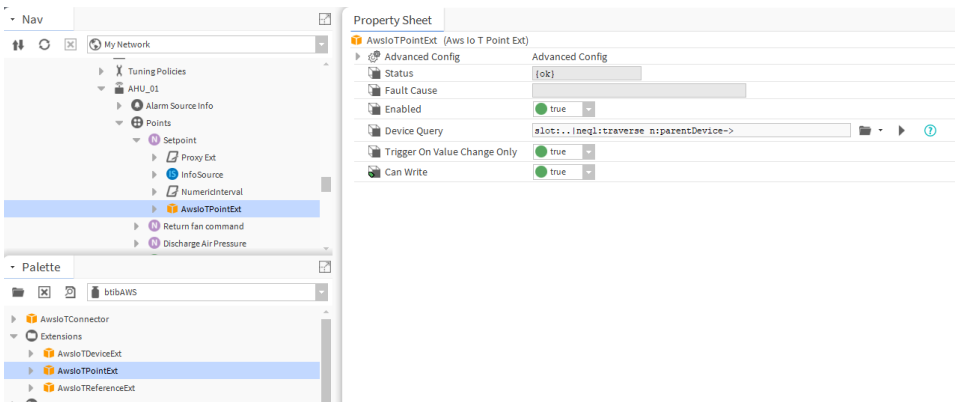


3. Use any mqtt client to inspect messages, you should see tags published under the service topic corresponding to the device

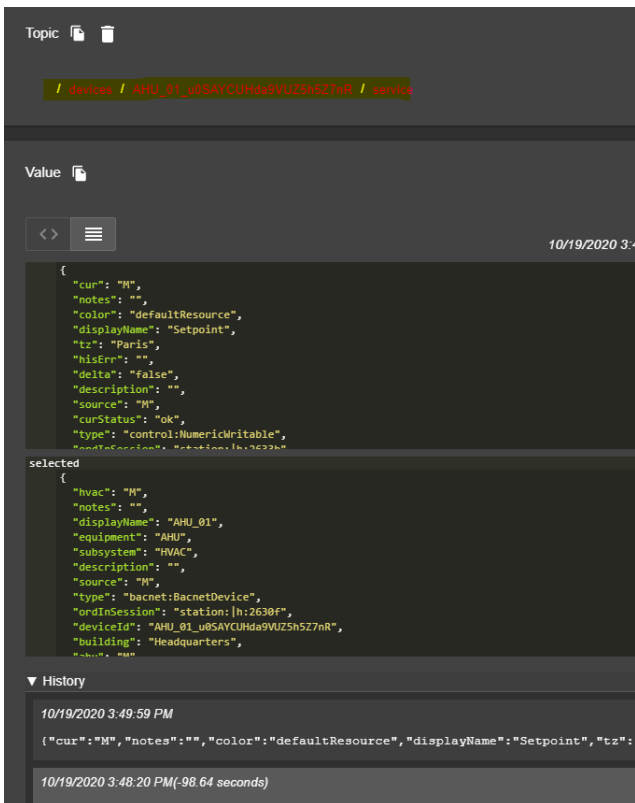


# Point Setup

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

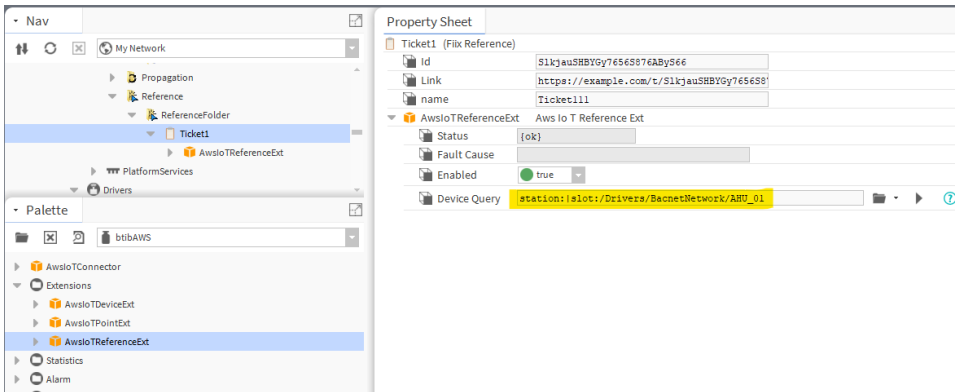


1. On your mqtt client you should see the tags for the point published on the service topic and a message on the events topic

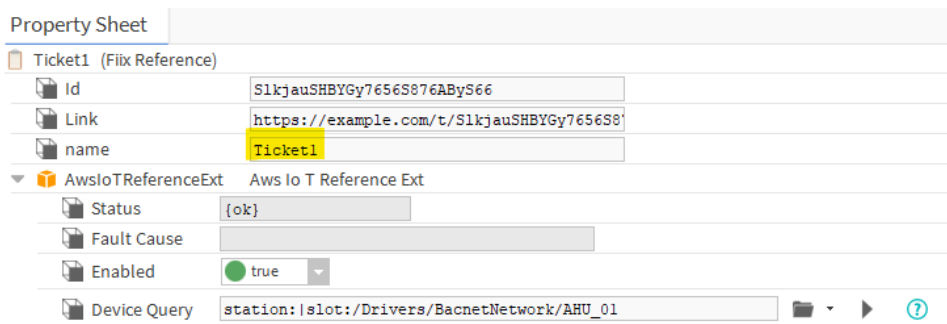


# Reference Setup

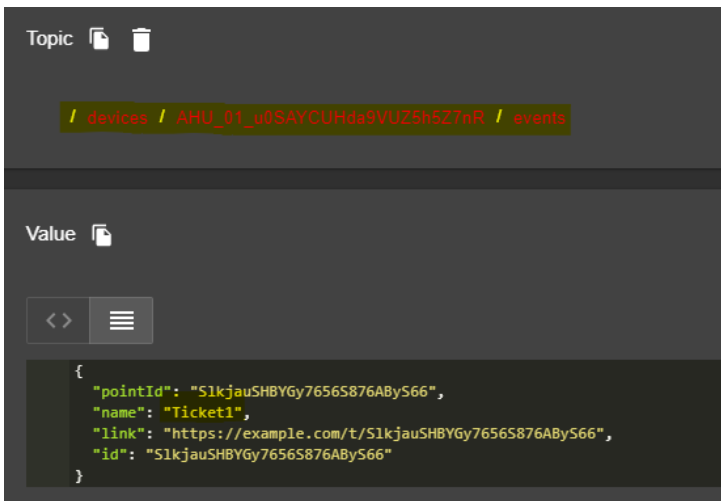
1. Drag and drop the reference extension to the reference component. And sepecify the query for the device to connect to.



2. change any reference property.



3. And you should see the event.



## Next Step

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