Step 4 Send alarms to AWS

You can easily transmit Niagara alarms in AWS. IoTCore doesn't have a native representation of alarms, this is why we use a dedicated devices which collect all the alarm events

Adding the AwsIoTAlarmRecipient

1. Open the btibAWSpalette and drag and drop the AwsIoTAlarmRecipient to the AlarmService.

	A			
 Services 	<u> </u>			
 Ø AlarmService 				
Default Alarm Class				
🕨 🌲 Last Alarm				
General_Console				
Electricity_Level1		Default Alarm Class		
Electricity_Level2		Alarm		
Electricity_Console				
Electricity_Synthesis			AwsIoTAlarmRecipient (1)	
HVAC_Level1			Route Alarm	
HVAC_Level2			Status {ok]	
HVAC_Console				
HVAC_Synthesis				
AwsloTAlarmRecipient				
BackupService				
CategoryService				
JobService				
JobService				
Palette	2			
Falette	<u> </u>			
btibAWS				
AwsloTPointExt	A			
AwsioTReferenceExt				
O Statistics				
O Alarm				
AwsloTAlarmRecipient				
O Tutta				

- 2. Fill the optional alarm data you want to add to the document which will represent each alarm record. Example: msgTxt, building, floor...
- 3. Give a name to the device which will be dedicated to alarms in the destination field. (AWS doesn't have a native representation of alarms, this is why we use a dedicated devices which collect all the alarm events).
- 4. Select the connector if you have multiple AWS Connectors in your station

Property Sheet	
🔋 AwsIoTAlarmRecipient (Av	vs Io T Alarm Recipient)
🕨 뒡 Time Range	12:00 AM - 12:00 AM
📔 Days Of Week	🖌 Sun 🖌 Mon 🖌 Tue 🖌 Wed 🖌 Thu 🖌 Fri 🖌 Sat
Transitions	🛃 toOffnormal 🖉 toFault 🛃 toNormal 🛃 toAlert
Route Acks	true
🗎 Status	{ok}
📔 Fault Cause	
🗎 Enabled	true
뛭 Optional Alarm Data	
Destination	alarms
Connector	👔 AwsloTConnector 🛛 👻

5. To test right click on the recipient the route alarm.

 Views	
Actions	Route Alarm
Edit Tags	Initialize
Aws	Disable
Rout Statu Make Template	

6. The you should see the alarms on the alarms device created.

```
/devices/alarms/events
    October 19, 2020, 17:48:17 (UTC+0200)

{
    "alarmTransition": "Offnormal",
    "ackBate": "1970-01-01T01:00:00.000+01:00",
    "alarmClass": "Default Alarm Class",
    "source": "",
    "priority": 0,
    "uuid": "00000000-0000-0000-00000-000000000",
    "ackState": "Unacked",
    "normalTime": "null",
    "ackRequired": true,
    "sourceState": "Offnormal",
    "timestamp": "2020-10-19T10:34:26.349+02:00"
}
```

Next Step

Step 5 Send commands from AWS to Niagara