Step 3 Send messages to IoTHub from Niagara

Unfortunately Azure portal does not provide an interface to see messages directly but there is windows utility called **Azure IoT Device Explore**r that does it (see the tutorial below).

If you're a developer, you can also use Visual Studio Code and the extension dedicated to IoTHub.

Set up IoT Device Explorer

- 1. Download the msi from this link https://github.com/Azure/azure-iot-explorer/releases and install it on your Windows machine.
- 2. Open the utility and paste your connection string.

Azure IoT Explorer (preview)		- 0
file Edit View Window Help Azure IoT Explorer (preview	v)	🗘 Notifications 🛞 Settin
Home > IoT hubs		
		Add connection string
=		Connection string
윰 loT hubs		enter a connection string
\mathcal{B}^{a} loT Plug and Play Settings		
	Host name	
	Shared access policy name	
		Where do I get an IoT hub connection string? Please do not save your hub connection string to any unsafe locations
	Shared access policy key	
	Connection String	

3. Open the device view ...

Azure IoT Explorer (preview)		
File Edit View Window Help		
Azure IoT Explorer (preview)		
<u>Home</u> > btibtest > Devices		
🛨 New 🖒 Refresh 📋 Delete		
Query by device ID $\rho \rightarrow (\Upsilon$	⁷ Add query parameter)
	Status	Connection st
AHU_01_u0SAYCUHda9VUZ5h5Z7nR	Enabled	Connected

4. Go to telemetry and start listening fir messages.

<u>Home</u> > btibtest > <u>Devices</u> > AHU_01_u0SAYCUHda9VUZ5h5Z7nR > Telemetry				
≡	Stop Show system properties 📋 Clear events - {} Simulation device			
Device identity				
🔁 Device twin	Telemetry ①			
C Telemetry	Consumer group ① \$Defauit			
✓ Direct method	Use built-in event hub Yes			
Cloud-to-device message	C Receiving events			
8 Module identity				
S ^Ø IoT Plug and Play compone				

5. Go to your point and trigger a change.

Humidity setpoint	- {null}
- O Setpoint	In Set X
Proxy Ext	In []
▶ 💦 loTHubPointExt	- In OK Cancel }
Return fan command B Discharge fan command	- In8 - {null}

6. And voilà your messages is received!. note that we received 2 events (value change and status change). the body message is the same because by default the templates are the same, to change this go to the connector advanced settings.

<u>Home</u> > btibtest > <u>Devi</u>	<pre>ces > AHU_01_u0SAYCUHda9VUZ5h5Z7nR > Telemetry</pre>
=	Stop 🗌 Show system properties 💼 Clear events {} Simulation device
Device identity	
🔁 Device twin	leiemetry U
🖵 Telemetry	Consumer group O \$Default
✓ Direct method	Use built-in event hub Yes
Cloud-to-device message	C Receiving events
ଝ Module identity ீ loT Plug and Play compone	<pre>11:35:47 AM, 10/19/2020: { "body": { "pointId": "Setpoint v0SAYCUEtoUyS3F0df5kd", "vimestamp": "2020-10-19T11:35:47.031+02:00", "vatue": 10, "vatus": "(ok) 0 def" }, "enqueuedTime": "2020-10-19T09:35:47.2812", "properties": {} } </pre>
	<pre>11:35:47 AM, 10/19/2020: { "body": { "pointId": "Setpoint v0SAYCUEtoUyS3P0df5kd", "timestamp": "2020-10-19T11:35:47.003+02:00", "value": 10, "status": "(ok) @ def" }, "enqueuedTime": "2020-10-19T09:35:47.172Z", "properties": {} }</pre>

7. No go to the reference and change a slot value.

_	-2	Property Sheet	
S My Network		Ticket1 (Fiix Reference)	
		🗎 Id	S1kjauSHBYGy7656S876AByS66
Propagation		🗎 Link	https://example.com/t/SlkjauSHBYGy7656S8
🔻 🞉 Reference) 🗎 name	Ticketlll
📼 🎉 ReferenceFolder		A IoTHubReferenceExt	Io T Hub Reference Ext
🔻 📋 Ticket1			
A IoTHubReferenceExt			
PlatformServices			
2			

- à
- 8. You should see a new message sent.



Next Step

Step 4 Send alarms to IoTHub