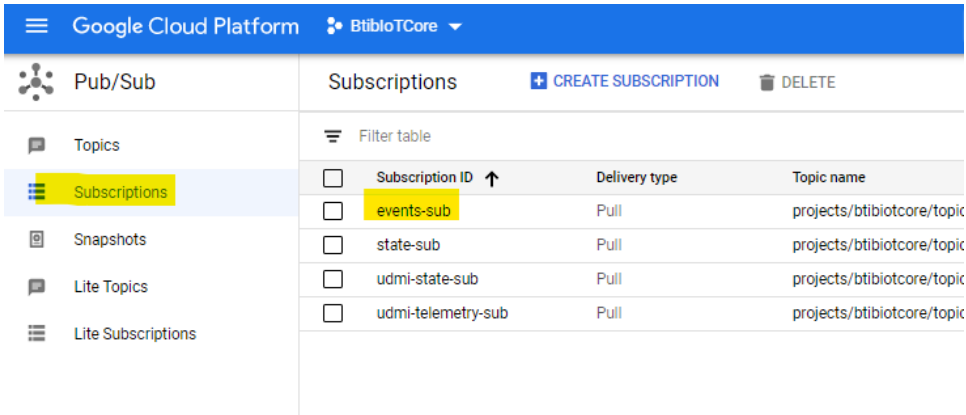


Step 3 Send messages to IoT Core from Niagara

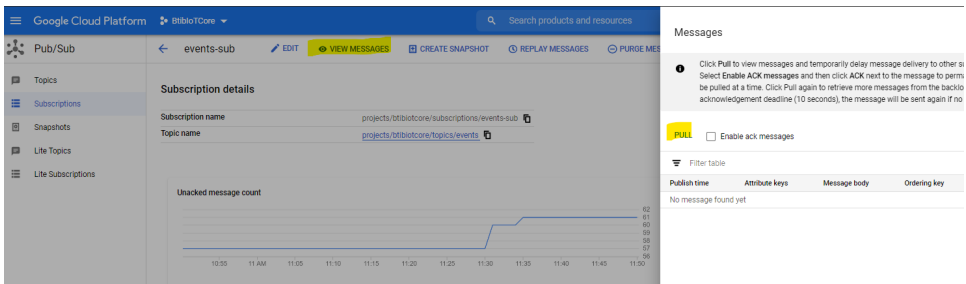
1. Open the PubSub service. Then Subscriptions events.



The screenshot shows the Google Cloud Platform interface for the Pub/Sub service. The left sidebar has 'Subscriptions' highlighted. The main area shows a table of subscriptions for the project 'btibiotcore'. The 'events-sub' subscription is highlighted.

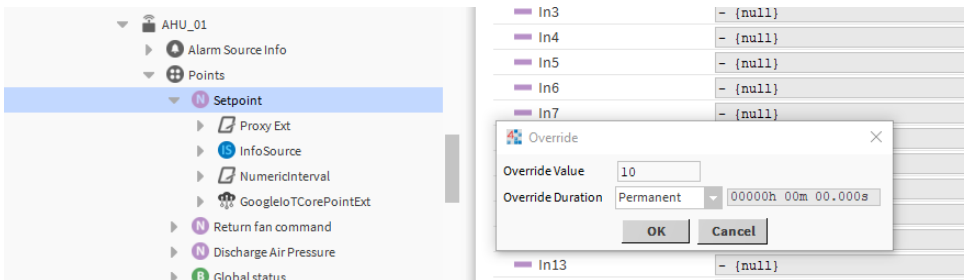
Subscription ID	Delivery type	Topic name
events-sub	Pull	projects/btibiotcore/topic
state-sub	Pull	projects/btibiotcore/topic
udmi-state-sub	Pull	projects/btibiotcore/topic
udmi-telemetry-sub	Pull	projects/btibiotcore/topic

2. Open the subscription dialog.



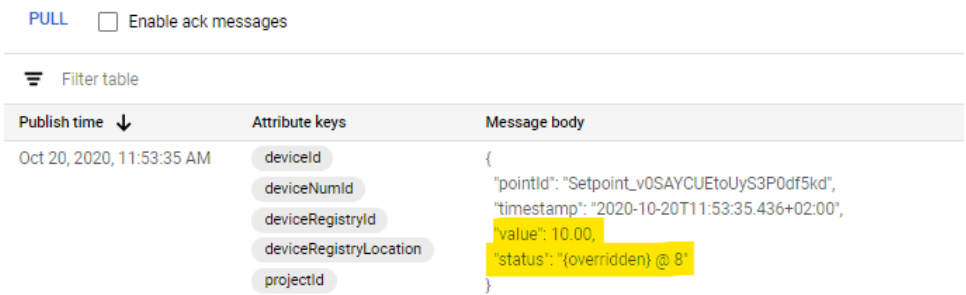
The screenshot shows the 'Subscription details' page for the 'events-sub' subscription. It includes a graph of 'Unacked message count' and a 'Messages' section with a 'PULL' button and 'Enable ack messages' checkbox.

3. Go to your point and trigger a change.



The screenshot shows the Niagara4X configuration for the 'AHU_01' Setpoint. An 'Override' dialog box is open, showing 'Override Value' set to 10 and 'Override Duration' set to Permanent.

4. Click on the pull button 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.



The screenshot shows the 'Messages' section of the 'events-sub' subscription. It displays a table with message details, including the 'Message body' which contains a JSON object with 'value' and 'status' fields.

Publish time	Attribute keys	Message body
Oct 20, 2020, 11:53:35 AM	deviceId, deviceNumId, deviceRegistryId, deviceRegistryLocation, projectId	{ "pointId": "Setpoint_v0SAYCUEtoUyS3P0df5kd", "timestamp": "2020-10-20T11:53:35.436+02:00", "value": 10.00, "status": "{overridden} @ 8" }

5. Go back to the states suscription and pull messages.

Google Cloud Platform

btiblotcore

Navigation menu

Topics

Subscriptions

Snapshots

Live Topics

Live Subscriptions

Subscriptions

CREATE SUBSCRIPTION

DELETE

Filter table

Subscription ID	Delivery type	Topic name
events-sub	Pull	projects/btibtcore/topics
state-sub	Pull	projects/btibtcore/topics
udmi-state-sub	Pull	projects/btibtcore/topics
udmi-telemetry-sub	Pull	projects/btibtcore/topics

6. You should see the state message too.

PULL

Enable ack messages

Filter table

Publish time	Attribute keys	Message body
Oct 20, 2020, 11:53:37 AM	<div>deviceId</div> <div>deviceNumId</div> <div>deviceRegistryId</div> <div>deviceRegistryLocation</div> <div>projectId</div>	<pre>{ "pointId": "Setpoint_v0SAYCUEtoUyS3P0df5kd", "timestamp": "2020-10-20T11:53:35.428+02:00", "value": 10.00, "status": "{overridden} @ 8" }</pre>

7. Now go to the reference and change a slot value.

Property Sheet

Ticket1 (Fix Reference)

Id

Link

name

GoogleIoTCoreReferenceExt

Status

Fault Cause

Enabled

Device Query

SlkjauSHBYGy7656S876AByS66

https://example.com/t/SlkjauSHBYGy7656S876AByS66

ticket1

Google IoT Core Reference Ext

{ok}

true

station:|slot:/Drivers/BacnetNetwork/AHU_01

8. You should see a new message sent and shown on the events subscription.

PULL

Enable ack messages

Filter table

Publish time	Attribute keys	Message body	Ack
Oct 20, 2020, 11:58:23 AM	<div>deviceId</div> <div>deviceNumId</div> <div>deviceRegistryId</div> <div>deviceRegistryLocation</div>	<pre>{ "pointId": "SlkjauSHBYGy7656S876AByS66", "name": "ticket1", "link": "https://example.com/t/SlkjauSHBYGy7656S876AByS66", "id": "SlkjauSHBYGy7656S876AByS66" }</pre>	Deadline