



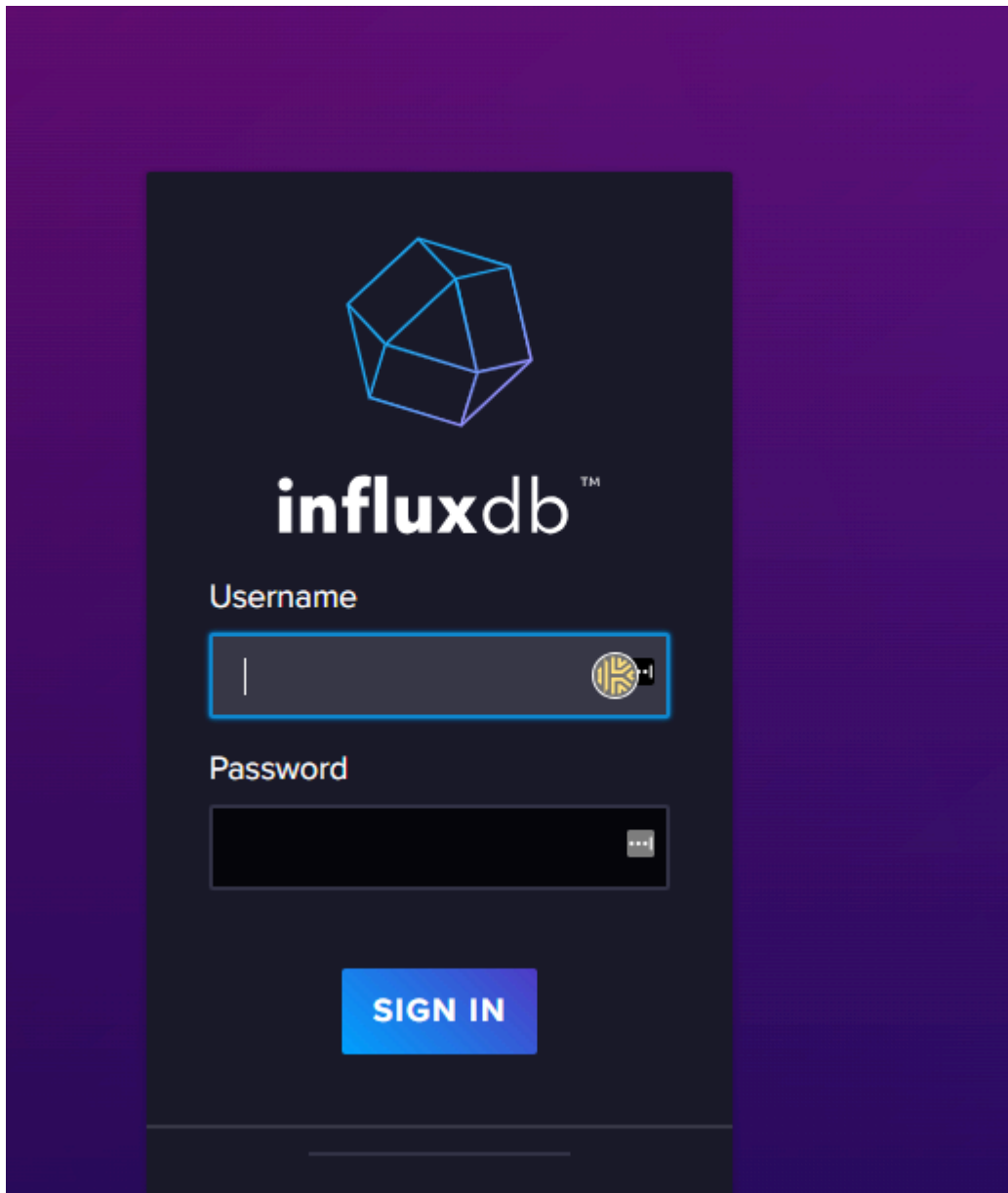
Smart Cities Hackathon Tier 2 Challenge 8

Tier 2 Challenge 8: Create an InfluxDB live IoT Sensor Integration

This challenge will see you creating a new InfluxDB Integration and uploading values from the sensors you have chosen. Once the values have been uploaded we will create a dashboard for the readings within InfluxDB and Grafana which are the next challenges.

Step 1

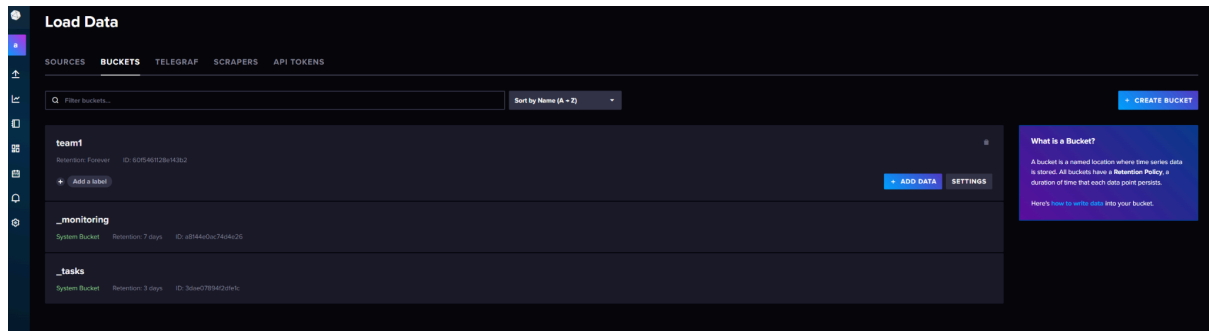
Navigate to influxdb.core.aql.com and log on with your team credentials.



Step 2

From the left-hand menu select "Buckets".

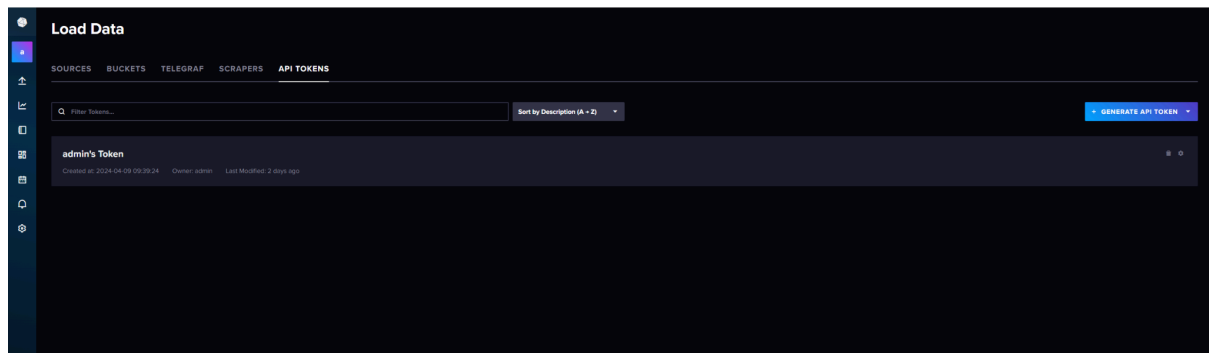
Tier 2: Challenge 8



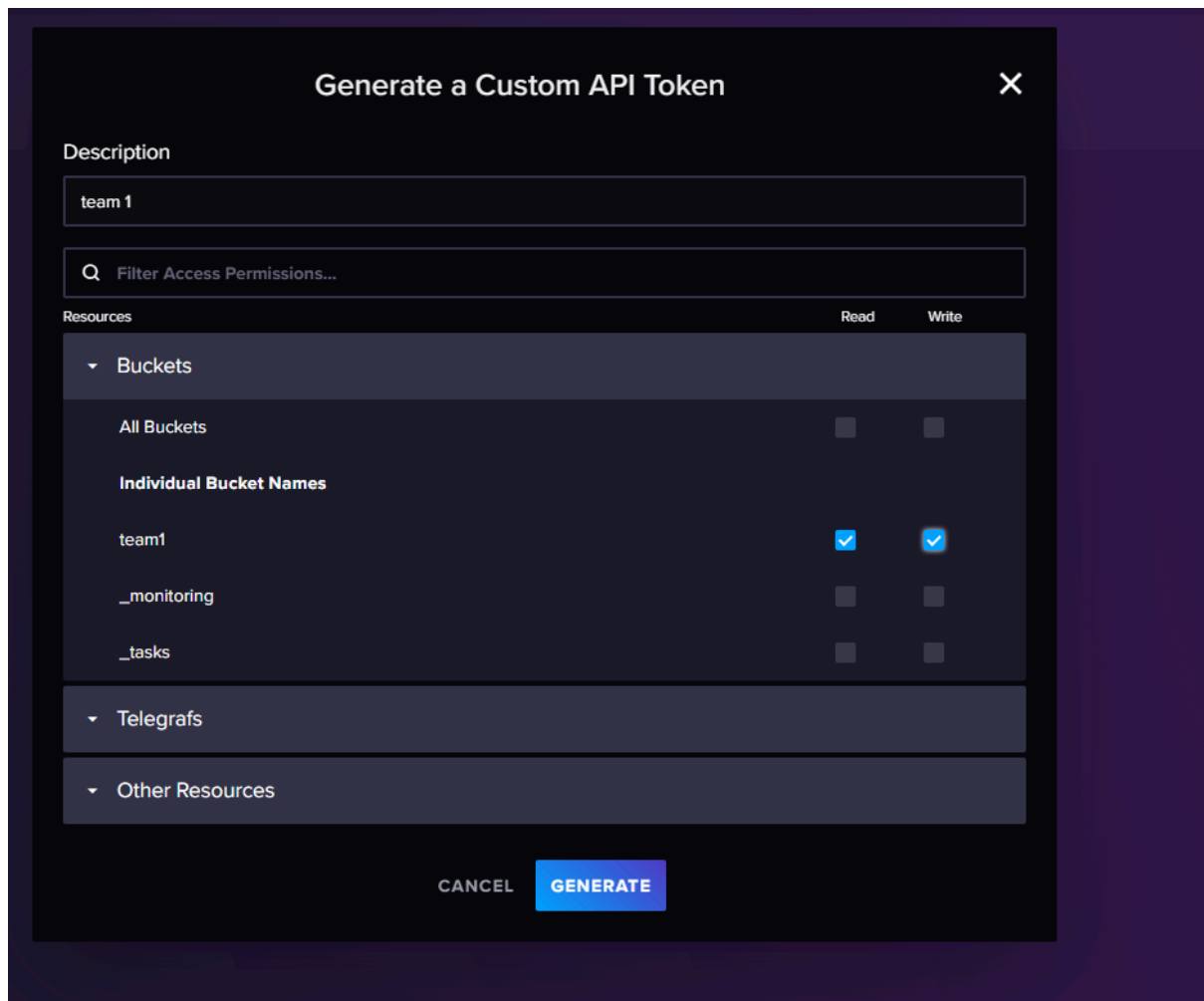
Create a new bucket. This can be any name you wish to use.

Step 3

Create a bearer token to authenticate the request from core.aqi.com, select API Tokens from the menu.



Choose “Custom” and select the bucket you created earlier. Make sure the auth token can read and write.



The dialog titled "Generate a Custom API Token" features a close button (X) in the top right corner. It includes a "Description" field containing "team 1" and a search bar labeled "Filter Access Permissions...". Below these is a table of resources with columns for "Resources", "Read", and "Write".

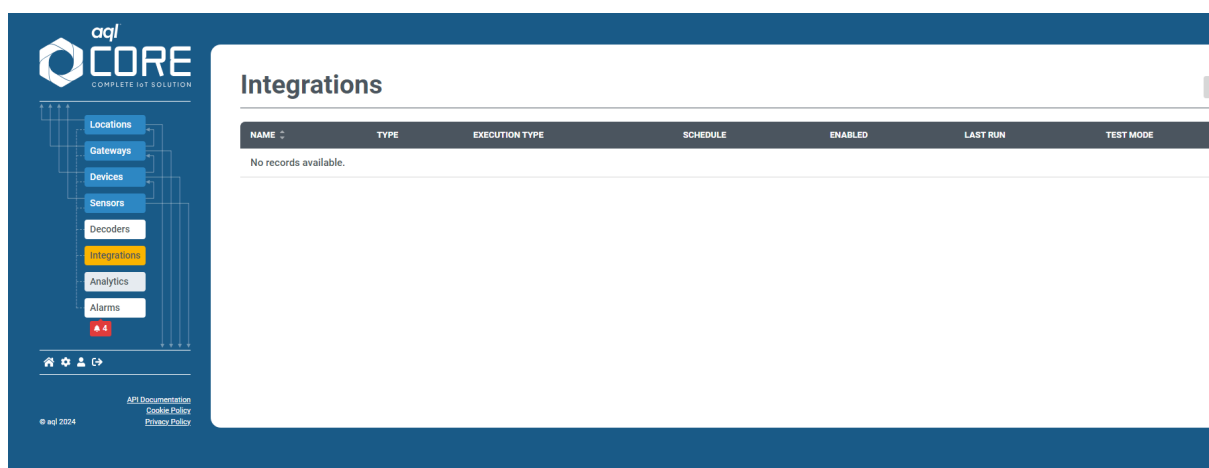
Resources	Read	Write
▼ Buckets		
All Buckets	<input type="checkbox"/>	<input type="checkbox"/>
Individual Bucket Names		
team1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
_monitoring	<input type="checkbox"/>	<input type="checkbox"/>
_tasks	<input type="checkbox"/>	<input type="checkbox"/>
▼ Telegrafs		
▼ Other Resources		

At the bottom of the dialog are two buttons: "CANCEL" and "GENERATE".

Note the token, as it will be needed for future tasks.

Step 4

Navigate to core.aql.com and login with your team credentials. Select integrations from the left menu.



Step 5

Create a new integration and enter a unique name. Select InfluxDB and Live -

Enter the following details

Url: Supplied in your getting started documentation

Token: The token created in the earlier steps

Organisation: YOUR TEAM NUMBER for example team1

Bucket: YOUR TEAM NUMBER for example team1 or a different bucket if you created one

Step 6

Select the sensors you wish to upload to Influx DB integration. You can bulk select using the bulk integration option.

Step 7:

Next, Enable the integration from the option in the top right corner.

Step 8:

The next sensor reading uploaded will fire the integration and the output of this can be seen within the integration logs menu.

You can use the curl request we built in Challenge 1 to test the integration.



Frames | Errors | Combined Pause Live Data

DATA RECEIVED

16th Apr, 2024 - 17:11:36 - Integration Run

0 (9)

16th Apr, 2024 - 17:11:36 - Integration Run

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Showing 1 to 10 of 30 results

Sensors

Tier 2: Challenge 8



As you upload readings you will see the run appear in the logs, if there are any errors you can see these on the errors tab.

Well done you have now completed Challenge 8