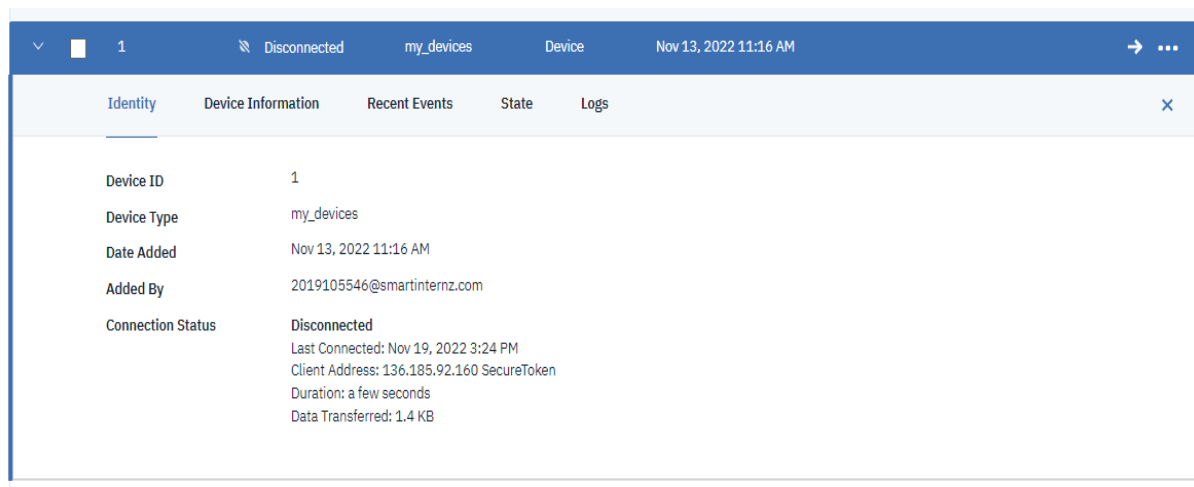


Team ID	PNT2022TMID35517
Project Name	Smart Waste Management System For Metropolitan Cities

Sprint 1:

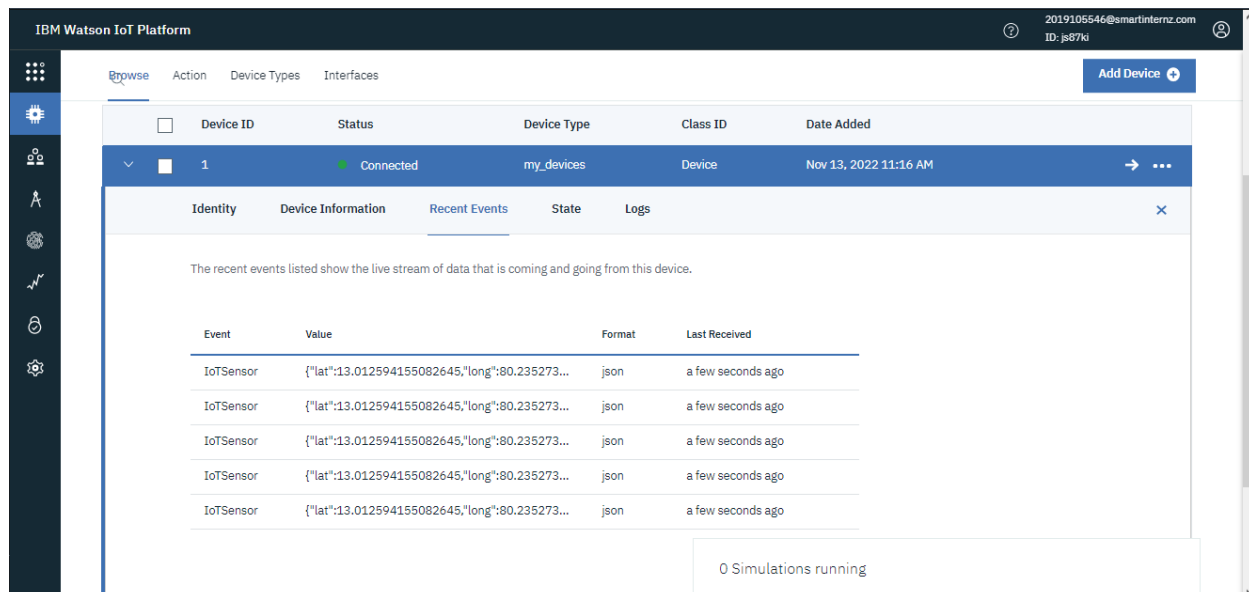
Creation of device in IBM lot Watson :



The screenshot shows the IBM Watson IoT Platform interface for a specific device. The top navigation bar includes a dropdown menu with '1', a status indicator 'Disconnected', the device name 'my_devices', the label 'Device', and the timestamp 'Nov 13, 2022 11:16 AM'. Below this, a tabbed interface shows 'Identity' as the active tab. The 'Identity' tab displays the following information:

- Device ID:** 1
- Device Type:** my_devices
- Date Added:** Nov 13, 2022 11:16 AM
- Added By:** 2019105546@smartinternz.com
- Connection Status:** Disconnected
 - Last Connected: Nov 19, 2022 3:24 PM
 - Client Address: 136.185.92.160 SecureToken
 - Duration: a few seconds
 - Data Transferred: 1.4 KB

Sending data to IBM Watson IoT Platform from Python code:



The screenshot shows the IBM Watson IoT Platform interface with the 'Recent Events' tab selected. The top navigation bar includes a dropdown menu with '1', a status indicator 'Connected', the device name 'my_devices', the label 'Device', and the timestamp 'Nov 13, 2022 11:16 AM'. The 'Recent Events' tab displays a list of events with the following columns: Event, Value, Format, and Last Received.

Event	Value	Format	Last Received
IoTSensor	{"lat":13.012594155082645,"long":80.235273...	json	a few seconds ago
IoTSensor	{"lat":13.012594155082645,"long":80.235273...	json	a few seconds ago
IoTSensor	{"lat":13.012594155082645,"long":80.235273...	json	a few seconds ago
IoTSensor	{"lat":13.012594155082645,"long":80.235273...	json	a few seconds ago
IoTSensor	{"lat":13.012594155082645,"long":80.235273...	json	a few seconds ago

At the bottom of the interface, it indicates '0 Simulations running'.

```
qr code C:\Users\Vishwanathan\PycharmProjects\qr code 29
venv library root
Include
Lib
Scripts
share
.gitignore
pyvenv.cfg
d_js87ki_abcd_12.log
d_js87ki_my_devices_1.log
ibm_main.py
main.py

try:
    deviceOptions={"org":organisation,"type":deviceType,"id":deviceId,"auth-method":authMethod,"auth-token":authToken}
    deviceCli=ibmiotf.device.Client(deviceOptions)
except Exception as e:
    print("Caught exception connecting device!")
    sys.exit()
deviceCli.connect()
while True:
    bin_value_weight=get_bin_value_weight()
    get_bin_value_weight()
```

Run: ibm_main x

Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =0 Bin weight =0 kgs to IBM Watson
2022-11-13 11:35:14,489 ibmiotf.device.Client INFO Connected successfully: d_js87ki:my_devices:1
Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =0 Bin weight =0 kgs to IBM Watson
Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =1 Bin weight =1 kgs to IBM Watson
Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =1 Bin weight =1 kgs to IBM Watson
Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =2 Bin weight =1 kgs to IBM Watson
Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =3 Bin weight =1 kgs to IBM Watson
Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =3 Bin weight =2 kgs to IBM Watson
Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =4 Bin weight =2 kgs to IBM Watson
Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =5 Bin weight =2 kgs to IBM Watson
Published Latitude =13.012594155082645 Longitude =80.23527327140268 Bin value =5 Bin weight =2 kgs to IBM Watson

Version Control Run Python Packages TODO Python Console Problems Terminal Services
Download pre-built shared indexes: Reduce the indexing time and CPU load with pre-built Python packages shared indexes // Always download // Download once //... (1 hour ago) 27:34 CRLF UTF-8 4 spaces Python 3.10 (qr code)

Output: