

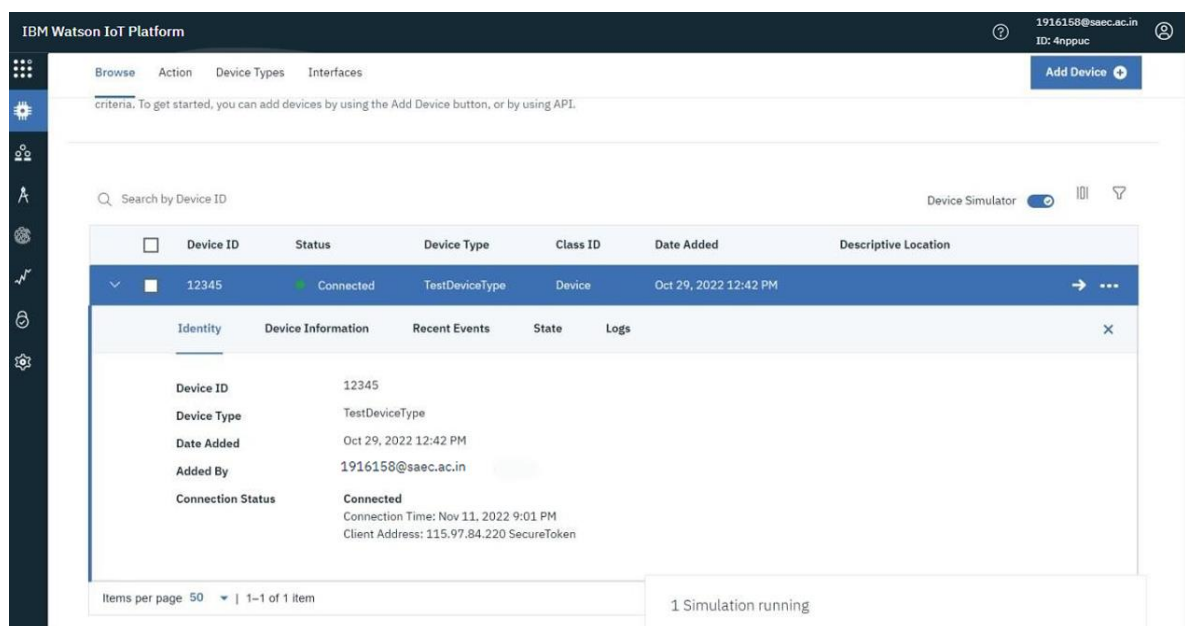
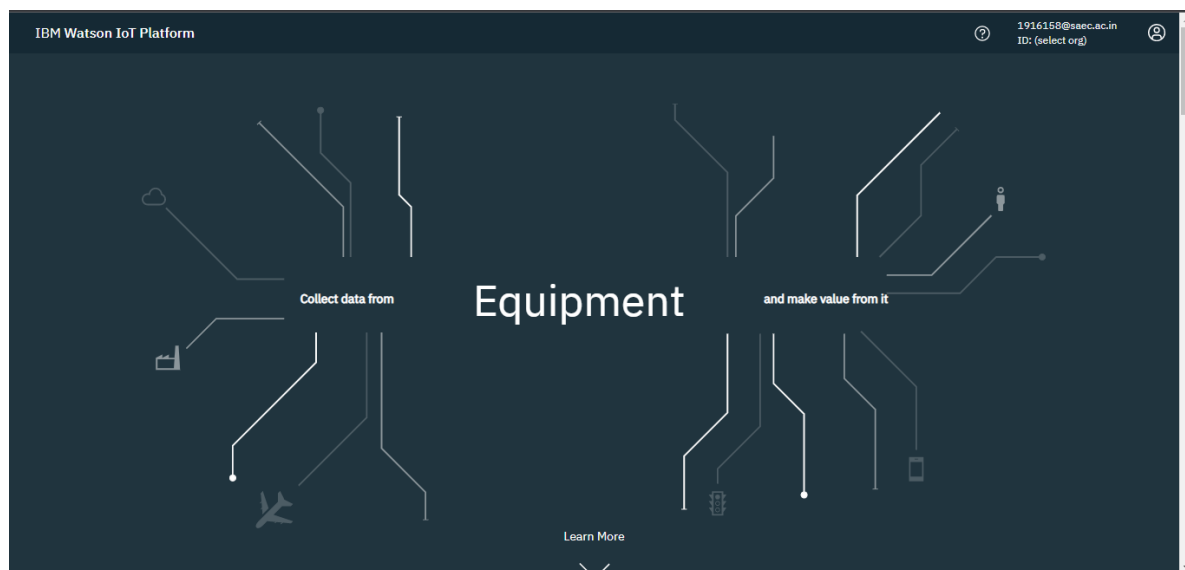
Project Development Delivery plan sprint-1

IoT Based Safety Gadget for Child Safety Monitoring & Notification

TEAM ID:PNT2022TMID16367

Creating and Connecting IBM cloud for Project and Python Code

Creating IBM Cloud Service and creating the device:



Creating Python Code:

```
import json
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity":{
        "orgId": "4o1qxb",
        "typeId": "TestDeviceType",
        "deviceId": "12345"
    },
    "auth": {
        "token":"pnhXvzN-sWMKv&hxyi"
    }
}
client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()
```

```
while True:
    name= "Smartbridge"
    #in area location

    latitude= 17.4225176
    longitude= 78.5458842

    #out area location

    #latitude= 17.4219272
    #longitude= 78.5488783
    myData={'name': name,'lat':latitude, 'lon' :longitude}
    client.publishEvent(eventId="status", msgFormat="json", data=myData,
qos=0, onPublish=None)
    print("Data Published to IBM IoT platfrom: ", myData)
    time.sleep(5)

client.disconnect()
```

In-Area Location:

[illegible]

IBM Watson IoT Platform

1916158@saec.ac.in
ID: 4nppuc

?

Browse

Action

Device Types

Interfaces

Add Device

| Device ID | Status | Device Type | Class ID | Date Added | Descriptive Location |
|-----------|-----------|----------------|----------|-----------------------|----------------------|
| 12345 | Connected | TestDeviceType | Device | Oct 29, 2022 12:42 PM | |

Identity

Device Information

Recent Events

State

Logs

The recent events listed show the live stream of data that is coming and going from this device.

| Event | Value | Format | Last Received |
|---------|---|--------|-------------------|
| event_1 | {"name":"smartbridge","lat":17.4219272,"lon":7... | json | a few seconds ago |
| status | {"name":"Smartbridge","lat":17.4225176,"lon":7... | json | a few seconds ago |
| event_1 | {"name":"smartbridge","lat":17.4219272,"lon":7... | json | a few seconds ago |
| event_1 | {"name":"smartbridge","lat":17.4219272,"lon":7... | json | a few seconds ago |
| status | {"name":"Smartbridge","lat":17.4225176,"lon":7... | json | a few seconds ago |

1 Simulation running

Out-Area Location:[illegible]

IBM Watson IoT Platform

1916150@saec.ac.in
ID: 4nppuc

?

Browse

Action

Device Types

Interfaces

Add Device +

Identity

Device Information

Recent Events

State

Logs

X

The recent events listed show the live stream of data that is coming and going from this device.

| Event | Value | Format | Last Received |
|---------|---|--------|-------------------|
| status | {"name":"Smartbridge","lat":17.4219272,"lon":7... | json | a few seconds ago |
| event_1 | {"name":"smartbridge","lat":17.4219272,"lon":7... | json | a few seconds ago |
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| event_1 | {"name":"smartbridge","lat":17.4219272,"lon":7... | json | a few seconds ago |

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1 Simulation running