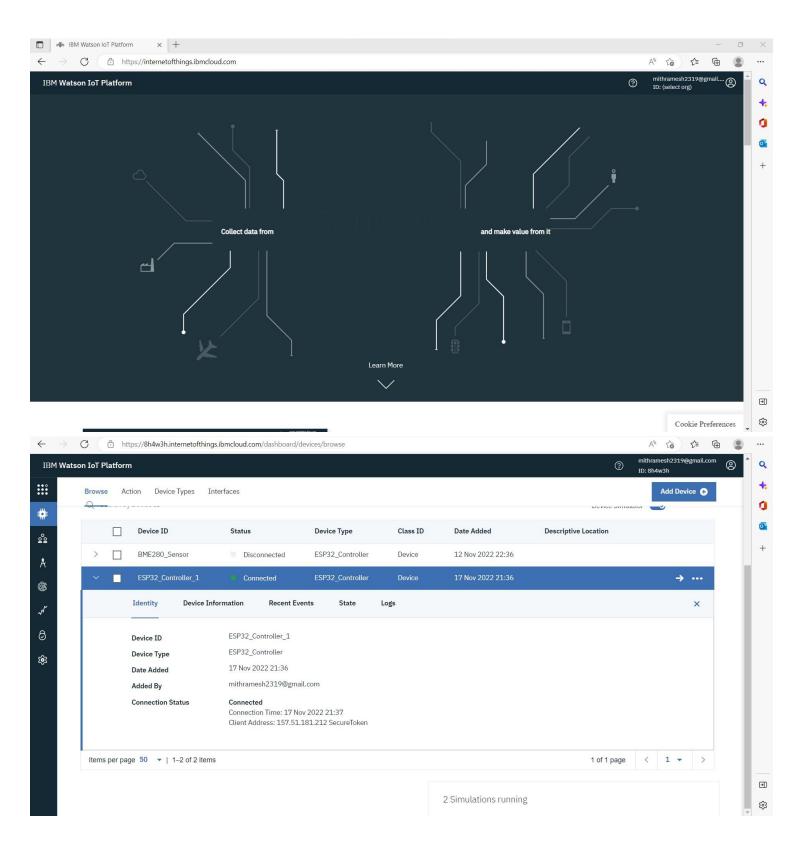
SPRINT-1

Creating IBM Cloud Service and creating the device:



Creating Python Code:

```
import time
import sys
import ibmiotf.application
import ibmiotf.device
import random
#Provide your IBM Watson Device Credentials
organization = "zwx6lb"
deviceType = "ABCD"
deviceId = "13"
authMethod = "token"
authToken = "12345678"
#api key {a-illza1-mbdxqo6z0s}
#api token {zSYzISuAWF&F x7GkT}
try:
      deviceOptions = {"org": organization, "type": deviceType, "id": deviceId, "auth-method":
authMethod, "auth-token": authToken}
      deviceCli = ibmiotf.device.Client(deviceOptions)
      #.....
except Exception as e:
      print("Caught exception connecting device: %s" % str(e))
      sys.exit()
# Connect and send a datapoint "hello" with value "world" into the cloud as an event of type
"greeting" 10 times
print("power on ")
print("checking connection to waston iot ")
```

```
time.sleep(2)
deviceCli.connect()
print("dear user ... welcome to IBM-IOT")
print("i can provide your children live location and temperature ")
print()
name=str(input("enter your child name:"))
while True:
    temperature=random.randint(20,50)#random temperature for your child
    latitude=random.uniform(10.781377,10.78643)#random latitude for your child
    longitude=random.uniform(79.129113,79.134014)#random longitude for your child
    a="Child inside the geofence"
    b=" Child outside the geofence"
    c="High temperature"
    d="Low temperature"
    x={'your child Zone':a}
    y={'your_child_Zone':b}
    z={'temp_condition':c}
    w={'temp condition':d}
    data = { 'temp' : temperature, 'lat': latitude, 'lon':longitude, 'name':name }
    #print data
    def myOnPublishCallback()
```

```
print ("Published Temperature = %s C" % temperature, "latitude = %s %%" % latitude,
"longitude = %s %%" % longitude, "to IBM Watson")
      print("\n")
    success = deviceCli.publishEvent("IoTSensorgpsdata", "json", data, qos=0,
on publish=myOnPublishCallback)
    if latitude>=10.78200 and latitude<=10.786000 and longitude >=79.130000 and longitude
<=79.133000:
deviceCli.publishEvent("IoTSensorgpsdata", "json", data=x, qos=0, on_publish=myOnPublishCall
b ack)
      print(x)
      print("\n")
    else:
deviceCli.publishEvent("IoTSensorgpsdata", "json", data=y, gos=0, on publish=myOnPublishCallb
ack)
      print(y)
      print("\n")
    if (temperature>35):
deviceCli.publishEvent("IoTSensorgpsdata", "json", data=z, qos=0, on_publish=myOnPublishCallb
ack)
        print(c)
        print("\n")
    else:
deviceCli.publishEvent("IoTSensorgpsdata","json",data=w,qos=0,on publish=myOnPublishCall
back)
        print(d)
```

```
print("\n")
```

```
if not success:
    print("Not connected to IoTF")
    print("\n")
time.sleep(3)
```

Disconnect the device and application from the cloud deviceCli.disconnect()

Connecting IBM Watson and python Code:

