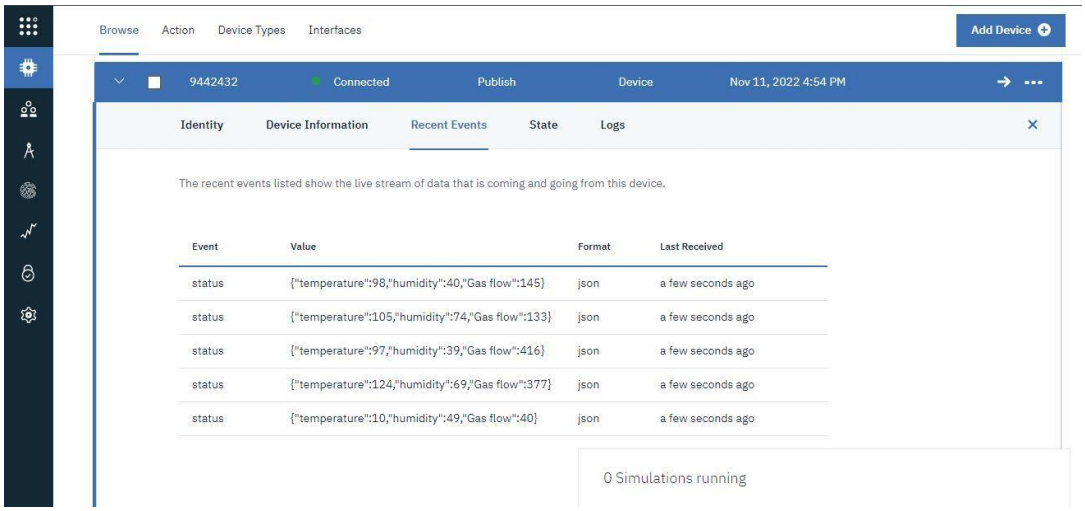
PUBLISH DATA TO THE CLOUD

Team id:PNT2022TMID13200

Data receiving from the python code:



Python code & Output:

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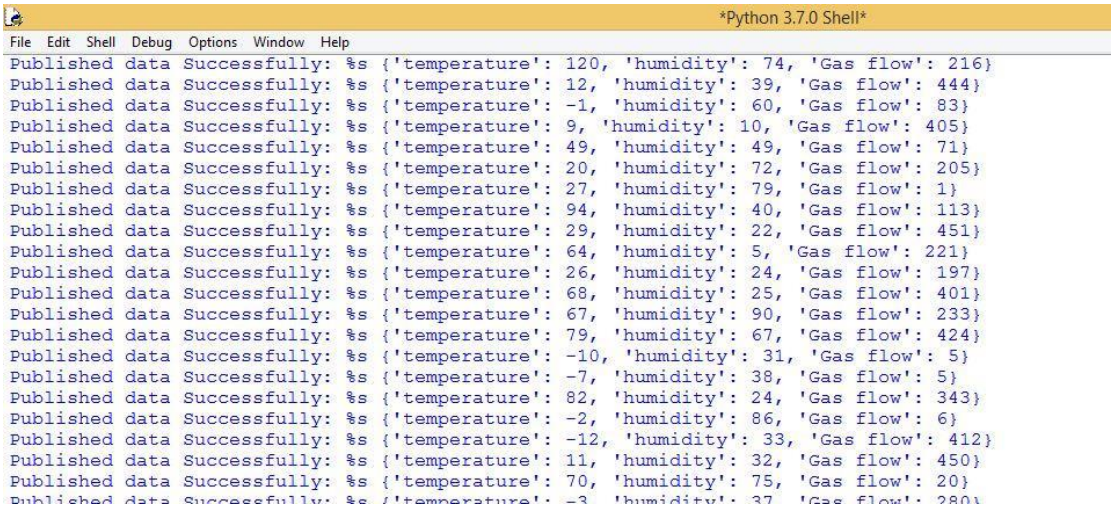
```
#IBM Watson IOT Platform
#pip install wiotp-sdk
import wiotp.sdk.device
import time
import random
myConfig = {
    "identity": {
        "orgId": "x390n3",
        "typeId": "Publish",
        "deviceId":"9442432"
    },
    "auth": {
        "token": "123456789"
    }
}

def myCommandCallback(cmd):
    print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
    m=cmd.data['command']

client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
client.connect()

while True:
    temp=random.randint(-20,125)
    hum=random.randint(0,100)
    Gas=random.randint(0,500)
    myData={'temperature':temp, 'humidity':hum, 'Gas flow':Gas}
    client.publishEvent(eventId="status", msgFormat="json", data=myData, qos=0, onPublish=None)
    print("Published data Successfully: %s", myData)
    client.commandCallback = myCommandCallback
    time.sleep(2)
client.disconnect()
```


Python 3.7.0 Shell
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Published data Successfully: %s {'temperature': 120, 'humidity': 74, 'Gas flow': 216}
Published data Successfully: %s {'temperature': 12, 'humidity': 39, 'Gas flow': 444}
Published data Successfully: %s {'temperature': -1, 'humidity': 60, 'Gas flow': 83}
Published data Successfully: %s {'temperature': 9, 'humidity': 10, 'Gas flow': 405}
Published data Successfully: %s {'temperature': 49, 'humidity': 49, 'Gas flow': 71}
Published data Successfully: %s {'temperature': 20, 'humidity': 72, 'Gas flow': 205}
Published data Successfully: %s {'temperature': 27, 'humidity': 79, 'Gas flow': 1}
Published data Successfully: %s {'temperature': 94, 'humidity': 40, 'Gas flow': 113}
Published data Successfully: %s {'temperature': 29, 'humidity': 22, 'Gas flow': 451}
Published data Successfully: %s {'temperature': 64, 'humidity': 5, 'Gas flow': 221}
Published data Successfully: %s {'temperature': 26, 'humidity': 24, 'Gas flow': 197}
Published data Successfully: %s {'temperature': 68, 'humidity': 25, 'Gas flow': 401}
Published data Successfully: %s {'temperature': 67, 'humidity': 90, 'Gas flow': 233}
Published data Successfully: %s {'temperature': 79, 'humidity': 67, 'Gas flow': 424}
Published data Successfully: %s {'temperature': -10, 'humidity': 31, 'Gas flow': 5}
Published data Successfully: %s {'temperature': -7, 'humidity': 38, 'Gas flow': 5}
Published data Successfully: %s {'temperature': 82, 'humidity': 24, 'Gas flow': 343}
Published data Successfully: %s {'temperature': -2, 'humidity': 86, 'Gas flow': 6}
Published data Successfully: %s {'temperature': -12, 'humidity': 33, 'Gas flow': 412}
Published data Successfully: %s {'temperature': 11, 'humidity': 32, 'Gas flow': 450}
Published data Successfully: %s {'temperature': 70, 'humidity': 75, 'Gas flow': 20}