PYTHON CODE (GAS, TEMPERATURE, HUMIDITY, PRESSURE)

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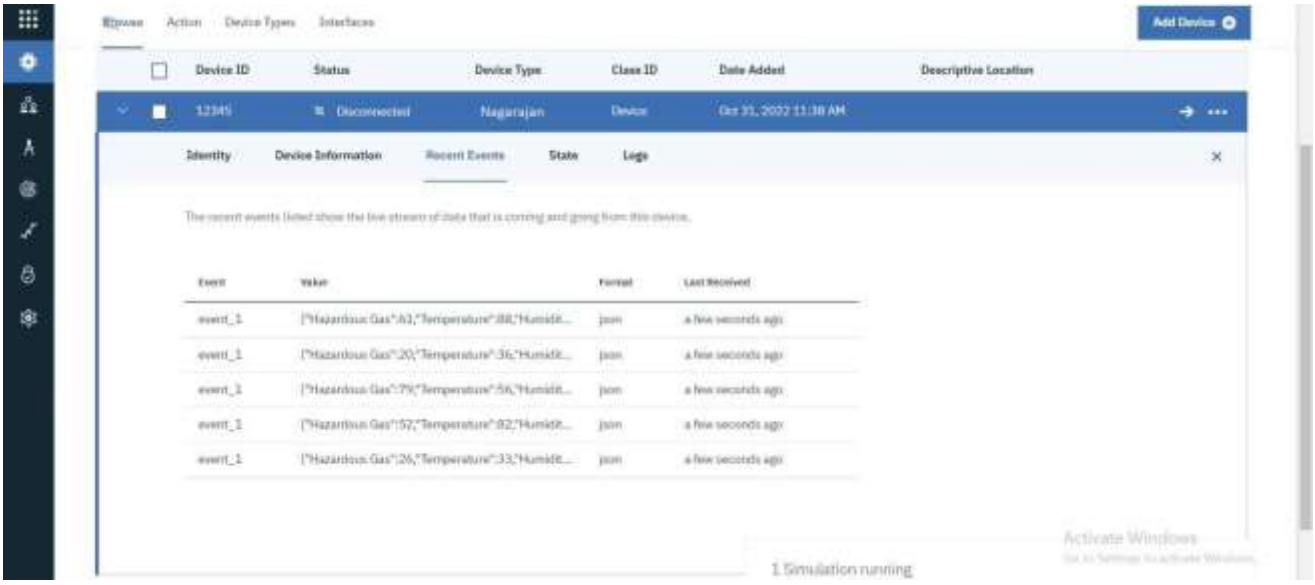
Project Name	GAS LEAKAGE MONITORING AND ALERTING SYSTEM FOR INDUSTRIES

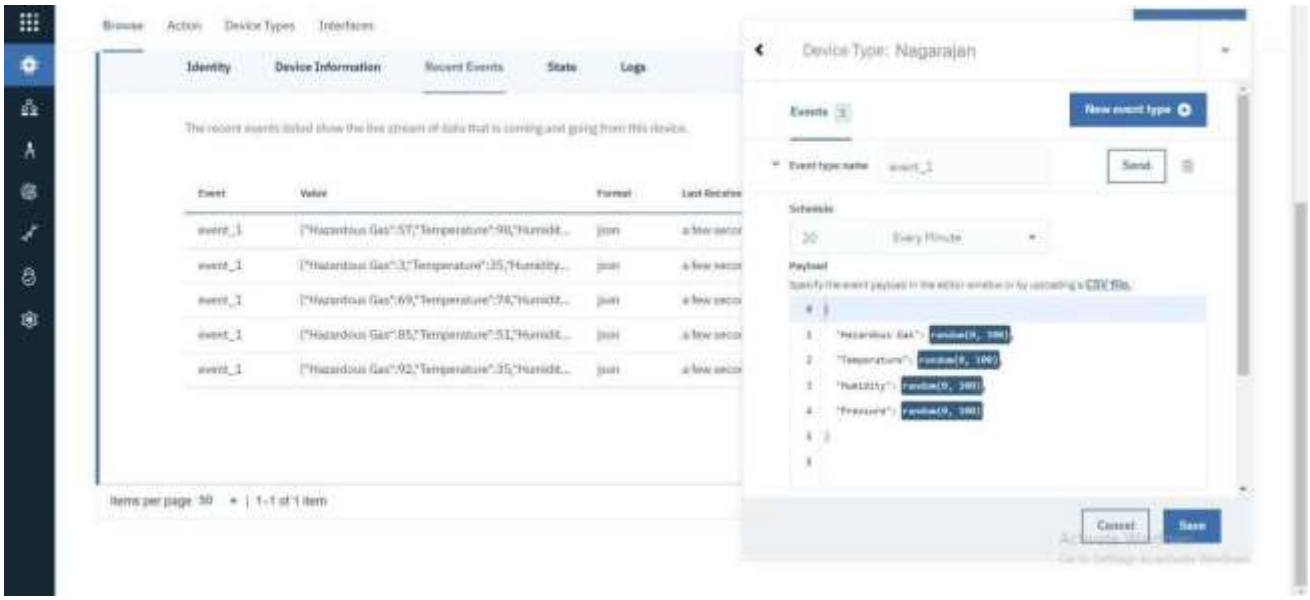
PYTHON CODE

```
#IBM Watson IOT Platform
import wiotp.sdk.device
import time
import random
myConfig = {
 "identity": {
      "orgId": "yf0dyy ",
      "typeId": "Faraaz ",
      "deviceId":"12345"
},
"auth": {
      "token": "VJTDPRX@f&4Vuox8ms "
} }
 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:
            gas=random.randint(0,100)
            temp=random.randint(0,100)
            hum=random.randint(0,100)
            pre=random.randint(0,100)
            myData={'Hazardous Gas':gas, 'Temperature':temp, 'Humidity':hum,
        'Pressure':pre }
         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()
```

OUTPUT:




Browse
Action
Device Types
Interfaces
Identity
Device Information
Recent Events
State
Logs
Event
Value
Format
event_1
json
Items per page: 50
1–1 of 1 item
Device Type: Nagarajan
Events
New event type
Event type name
event_1
Send
Schedule
Every Minute
Payload
Cancel
Save