PUBLISH DATA TO THE IBM CLOUD

TEAM ID	PNT2022TMID14030
PROJECT NAME	Signs with Smart Connectivity for Better Road Safety

STEPS TO PUBLISH DATA TO IBM CLOUD:

STEP-1: Sign in to the created IBM IoT platform.

STEP-2: Select organization from drop down in the right top corner.

STEP-3: Click on to add device and enter the device type and deviceid.

STEP-4: Click next until you get the device credentials which are thedevice type, device id, authentication method and authentication token.

STEP-5: Enter all those credentials in the python code and importibmiotf.application and ibmiotf.device libraries.

STEP-6: Create data in json format and enter syntax that pushes thedata to IBM IoT platform

STEP-7: The data is displayed in the corresponding device under theRECENT EVENTS tab.

CODE SPECIFICACTIONS:

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```
import requests #importing a library
import json
import ibmiotf.application
import ibmiotf.device
import time
import random
import sys



# watson device details

organization = "2s7yy7"
devicType =  "project"
deviceId = "projectid"
authMethod= "token"
authToken= "projecttoken"
```

```
    Temp= data['main']['temp']
    Humd= data['main']['humidity']
    data= {'temp':Temp,'humid':Humd}
    dist=random.randint(0,20)
    dis={'dista':dist}
```

```
success=deviceCli.publishEvent ("IoTSensor","json",insta,qos=0,on_publish= myOnPublishCallback)
success=deviceCli.publishEvent ("IoTSensor","json",data,qos=0,on_publish= myOnPublishCallback)
success=deviceCli.publishEvent ("IoTSensor","json",warn,qos=0,on_publish= myOnPublishCallback)
success=deviceCli.publishEvent ("IoTSensor","json",dis,qos=0,on_publish= myOnPublishCallback)
```

IBM IoT WATSON PLATFORM: