

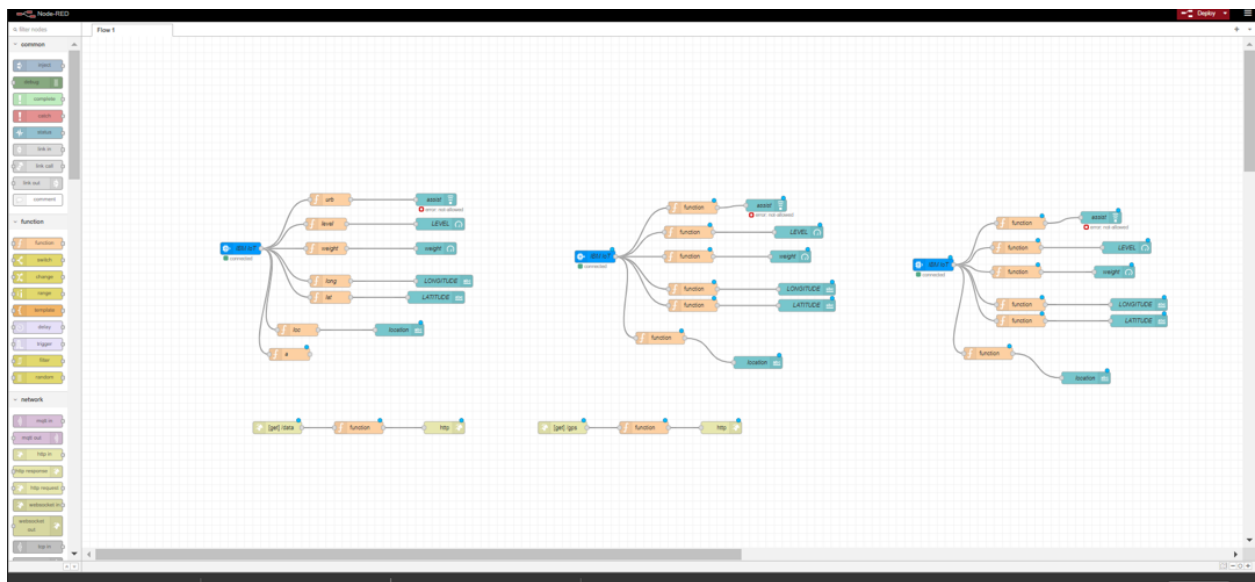
# Develop Python Script

## Publish Data to IBM Cloud

Team ID	PNT2022TMID11434
Project Name	Smart Waste Management System for Metropolitan Cities

```
1 import wiotp.sdk.device
2 import time
3 import random
4 myConfig = {
5     "identity": {
6         "deviceId": "zal46w",
7         "typeId": "Dumpster",
8         "deviceId": "12345"
9     },
10    "auth": {
11        "token": "87654321"
12    }
13 }
14 def myCommandCallback(cmd):
15     print("Message received from IBM IoT Platform: %s" % cmd.data['command'])
16     mcmd.data['command']
17 client = wiotp.sdk.device.DeviceClient(config=myConfig, logHandlers=None)
18 client.connect()
19 while True:
20     temp=random.randint(-20,125)
21     hum=random.randint(0,100)
22     myData={'temperature':temp, 'humidity':hum}
23     client.publishEvent(eventId="status", msgFormat="json", data=myData)
```

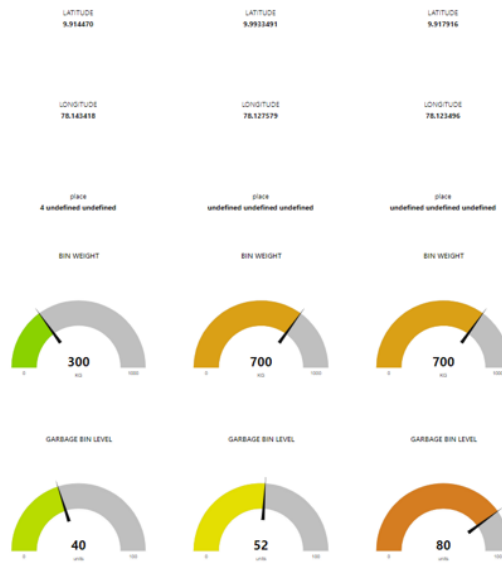
Identity	Device Information	Recent Events	State	Logs
The recent events listed show the live stream of data that is coming and going from this device.				
Event	Value	Format	Last Received	
status	{"d":{"d_dump1":4}}	json	a few seconds ago	
status	{"d":{"dump2":2,"Level2":70,"Weight2":700,"Lat...	json	a few seconds ago	
status	{"d":{"dump2":2,"Level2":70,"Weight2":700,"Lat...	json	a few seconds ago	
status	{"d":{"d_dump1":1,"Suburb1":"Anna Nagar","City...	json	a few seconds ago	
status	{"p":{"suburb1":"Anna Nagar , Madurai","suburb2...	json	a few seconds ago	



Browse
Action
Device Types
Interfaces

Add Device

	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location	
	12345	Connected	Dumpster	Device	Nov 17, 2022 9:02 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			
	status	{ "temperature": 78, "humidity": 41 }	json	a few seconds ago			
	status	{ "temperature": 45, "humidity": 27 }	json	a few seconds ago			
	status	{ "temperature": 24, "humidity": 53 }	json	a few seconds ago			
	status	{ "temperature": 21, "humidity": 70 }	json	a few seconds ago			
	status	{ "temperature": 52, "humidity": 30 }	json	a few seconds ago			



MIT APP INVENTOR

Projects • Connect • Build • Settings • Help • My Projects View Trash Guide Report an Issue English • bhuvaneshkk52@gmail.com •

swmsfms Screen2 • Add Screen • Remove Screen Publish to Gallery Designer Blocks

Blocks

- Built-in
  - Control
  - Logic
  - Math
  - Text
  - Lists
  - Dictionaries
  - Colors
  - Variables
  - Procedures
- Screen2
  - VerticalArrangement1
    - head
    - head1
  - VerticalArrangement2
    - HorizontalArrangen
    - col1

Media

- 5968944.jpg
- IMG\_2022\_21512.jpg

Viewer

when Web1 is Confirmed

- do
  - responseCode responseType responseContent
  - look up in pairs key
  - call Web3 JoinTextEncode
  - joinText get responseContent
  - not found
- then
  - set Label10 Text to E3
  - set Label20 Text to E3
- else if
  - look up in pairs key
  - call Web3 JoinTextEncode
  - joinText get responseContent
  - not found
- then
  - set Label30 Text to E3
  - set Label40 Text to E3
- else if
  - look up in pairs key
  - call Web3 JoinTextEncode
  - joinText get responseContent
  - not found
- then
  - set Label50 Text to E3
  - set Label60 Text to E3
  - set Label70 Text to E3
  - set Label80 Text to E3
  - set Label90 Text to E3
  - set Label100 Text to E3

when Button1 is Clicked

- do
  - open another screen screenName num\_location

Show Warnings

