

Create And Configure IBM Cloud Services

Team ID	PNT2022TMID23841
Project Name	IoT based Safety Gadget for Child Safety, monitoring and notification
TEAM LEADER &TEAM MEMBERS	1. DHARANI N 2.ADITHYA V 3.DEEPIKA B 4.GOPIKA M

Create A Database In Cloudant DB

```
id2.py - C:\Users\Saravanan\AppData\Local\Programs\Python\Python37\id2.py (3.7.0)
File Edit Format Run Options Window Help

import time
import sys
import ibmiotf.application
import ibmiotf.device
import random

#Provide your IBM Watson Device Credentials
organization = "hyoga4"
deviceType = "Safety"
deviceId = "Fire"
authMethod = "token"
authToken = "TMj7hUSVbDi*idY+B{"

# Initialize GPIO

def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data['command'])
    status=cmd.data['command']
    if status=="Sprinkler On":
        print ("Sprinkler is on")
    else :
        print ("Sprinkler is off")
    #print(cmd)

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
deviceCli.connect()

while True:
    #Get Sensor Data from DHT11
    temp=random.randint(0,100)
    Humid=random.randint(0,100)
```

```
Python 3.7.0 Shell
File Edit Shell Debug Options Window Help
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\Saravanan\AppData\Local\Programs\Python\Python37\id2.py =
2022-11-09 11:47:32,137  ibmiotf.device.Client INFO Connected successfully: d:hyogw4:Safety:Fire
Published Temperature = 62 C Humidity = 64 % to IBM Watson
Published Temperature = 57 C Humidity = 88 % to IBM Watson
Published Temperature = 12 C Humidity = 92 % to IBM Watson
Published Temperature = 52 C Humidity = 3 % to IBM Watson
Published Temperature = 91 C Humidity = 23 % to IBM Watson
Published Temperature = 24 C Humidity = 6 % to IBM Watson
Published Temperature = 33 C Humidity = 46 % to IBM Watson
Published Temperature = 56 C Humidity = 40 % to IBM Watson
Published Temperature = 34 C Humidity = 93 % to IBM Watson
Published Temperature = 94 C Humidity = 27 % to IBM Watson
Published Temperature = 89 C Humidity = 74 % to IBM Watson
Published Temperature = 74 C Humidity = 46 % to IBM Watson
Published Temperature = 77 C Humidity = 11 % to IBM Watson
Published Temperature = 57 C Humidity = 66 % to IBM Watson
```

