

DEVELOP THE PYTHON SCRIPT

TeamID	PNT2022TMID30309
ProjectName	INDUSTRY SPECIFIC INTELLIGENT FIRE MANAGEMENT SYSTEM

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varalaadaaaa.py - C:\Python\Python37\varalaadaaaa.py (3.7.0)
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import time
import sys
import ibmiotf.application
import ibmiotf.device

#Provide your IBM Watson Device Credentials
organization = "x6rbso" # replace it with organization ID
deviceType = "project" #replace it with device type
deviceId = "projectid" #replace with device id
authMethod = "token"
authToken = "Q6hrS52r0@Qs5)zh9*"#replace with token

def myCommandCallback(cmd):
    print("Command received: %s" % cmd.data)
    if cmd.data['command']=='Sprinkler On':
        print("sprinkler On")
    elif cmd.data['command'] == 'Sprinkler Off':
        print("sprinkler Off")

def myOnPublishCallback(cmd):
    print("Command received: %s" % cmd.data)
    if cmd.data['command']=='ExhaustFan On':
        print("ExhaustFan On")

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()

deviceCli.connect()

while True:
    F=15;
    G=25;

    #Send Temperature & Humidity to IBM Watson
    data = { 'Flame' : F, 'Gas': G }
    #print data
    def myOnPublishCallback():
        print ("Published Flame = %s C & F, "Gas = %s %%" % G, "to IBM Watson")
```

Node-RED : node-red-ocmwt-20 x IBM Watson IoT Platform x IBM Cloud x (3) WhatsApp x Dashboard x +

x6rbso.internetofthings.ibmcloud.com/dashboard/devices/browse

IBM Watson IoT Platform

Browse Action Device Types Interfaces

2k19ece074@klot.ac.in ID: x6rbso

Search by Device ID

Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
projectid	Connected	project	Device	Nov 7, 2022 11:52 AM	
vijay123	Disconnected	vijay	Device	Nov 1, 2022 11:54 AM	

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
event	{"Flame":15,"Gas":25}	json	a few seconds ago
Data	{"Temperature":73.5}	json	28 minutes ago