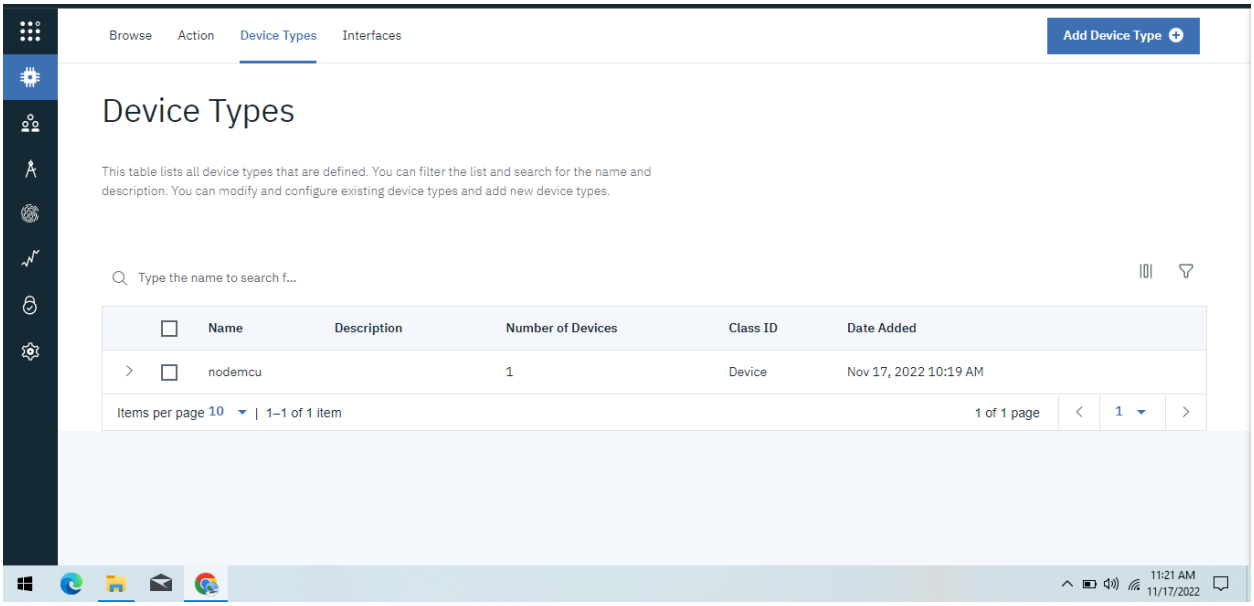
Browse
Action
Device Types
Interfaces
Add Device Type
Device Types
This table lists all device types that are defined. You can filter the list and search for the name and description. You can modify and configure existing device types and add new device types.
Type the name to search f...
Name
Description
Number of Devices
Class ID
Date Added
nodemcu
1
Device
Nov 17, 2022 10:19 AM
Items per page 10
1–1 of 1 item
1 of 1 page
1
11:21 AM
11/17/2022

PYTHON CODE :

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

#Provide your IBM Watson Device Credentials
organization = "Arunpandian"
deviceType = "nodemcu"
deviceId = "1234"
authMethod = "token"
authToken = "12345678"

# Initialize GPIO

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


        data = { 'temp' : temp, 'Humid': Humid}

        #print data
        def myOnPublishCallback():
            print ("Published Temperature = %s
C" % temp, "Humidity = %s %%" % Humid,"to IBM
Watson")

        success =
deviceCli.publishEvent("IoTSensor", "json",
data, qos=0, on_publish=myOnPublishCallback)
        if not success:
            print("Not connected to IoTF")
```

```
        time.sleep(1)

        deviceCli.commandCallback =
myCommandCallback

# Disconnect the device and application from the
cloud
deviceCli.disconnect()
```