

SMART SOLUTION FOR RAILWAYS

DEVELOP THE PYTHON SCRIPT

Date	08.11.2022
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LOCATION TRACKING :

```
import wiotp.sdk.device
```

```
import time
```

```
import random
```

```
myConfig = {
```

```
    "identity": {
```

```
        "orgId": "3edv2t",
```

```
        "typeId": "smartrailways",
```

```
        "deviceId": "18112022"
```

```
    },
```

```
    "auth": {
```

```
        "token": "24cse1760"
```

```
    }
```

```
}
```

```
def myCommandCallback(cmd):
```

```
    print("Message received from IBM IoT Platform: %s" %  
cmd.data['command'])
```

```
m=cmd.data['command']

client=wiotp.sdk.device.DeviceClient(config=myConfig,logHandlers=Non
one)

client.connect()


def pub(data):

client.publishEvent(eventId="status",msgFormat="json",data=myData,q
os=0,onPublish=None)

    print("Published data Successfully: %s",myData)


while True:

    myData={'name':'Train 1','lat':17.6387448,'lon':78.4754336}
    pub(myData)
    time.sleep(3)

    myData={'name':'Train2','lat':17.6387448,'lon':78.4754336}
    pub(myData)
    time.sleep(3)

    myData={'name':'Train 1','lat':17.6341908,'lon':78.4744722}
    pub(myData)
    time.sleep(3)

    myData={'name':'Train 1','lat':17.6340889,'lon':78.4745052}
```

```
pub(myData)
```

```
time.sleep(3)
```

```
myData={'name':'Train 1','lat':17.6348626,'lon':78.4720259}
```

```
pub(myData)
```

```
time.sleep(3)
```

```
myData={'name':'Train 1','lat':17.6188577,'lon':78.4698726}
```

```
pub(myData)
```

```
time.sleep(3)
```

```
myData={'name':'Train 1','lat':17.6132382,'lon':78.4707318}
```

```
pub(myData)
```

```
time.sleep(3)
```

```
client.commandCallback=myCommandCallback
```

```
client.disconnect()
```