

SMART SOLUTIONS FOR RAILWAYS

SPRINT-1

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```
import wiotp.sdk.device
import time
import random

myConfig={
    "identity":{
        "orgId":"gagtey",
        "typeId":"GPS",
        "deviceId":"12345"
    },
    "auth":{
        "token":"12345678"
    }
}

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=None)
client.connect()

def pub(data):
    client.publishEvent(eventId="status",msgFormat="json",data=mydata,qos=0,
    print("published data successfully: %s",mydata)

while True:
    mydata={'name':'Train1','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':'Train1','lat':17.6341908,'lon':78.4744722)
```

```
pub(myData)
```

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

```
mydata={'name':'Train1','lat':17.6340889,'lon':78.4745052}
```

```
pub(myData)
```

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

```
mydata={'name':'Train1','lat':17.6248626,'lon':78.4720259}
```

```
pub(myData)
```

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

```
mydata={'name':'Train1','lat':17.6188577,'lon':78.4698726}
```

```
pub(myData)
```

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

```
mydata={'name':'Train1','lat':17.6132382,'lon':78.4707318}
```

```
pub(myData)
```

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

```
client.commandCallback=mycommanCallbak
```

```
client.disconnect()
```