

Publish Data To The IBM Cloud

Date	7 november 2022
Team ID	PNT2022TMID00922
Project Name	Project – Signs with Smart Connectivity for Better Road Safety

```
pi@raspberrypi: ~  
File Edit Tabs Help  
2017-10-23 06:55:22... http://ftp.nl.debian.org/debian/pool/main/o/openssl/lib  
ssl1.0.0-1.0-1-debdeb_arsnf.deb  
Resolving ftp.nl.debian.org (ftp.nl.debian.org)... 130.89.149.21, 2001:67c:2564:  
1120::21  
Connecting to ftp.nl.debian.org (ftp.nl.debian.org)[130.89.149.21]:80... connect  
ed  
HTTP request sent, awaiting response... 200 OK  
Length: 887950 (864K) [application/x-debian-package]  
Saving to: 'libssl1.0.0-1.0-1-debdeb_arsnf.deb'  
libssl1.0.0-1.0-1- 100%[=====] 847.61K 350KB/s in 2.4s  
2017-10-23 06:55:25 (350 KB/s) - 'libssl1.0.0-1.0-1-debdeb_arsnf.deb' saved [  
887950/887950]  
pi@raspberrypi:~$ sudo dpkg -i libssl1.0.0-1.0-1-debdeb_arsnf.deb  
Selecting previously unselected package libssl1.0.0-arsnf.  
(Reading database ... 115600 files and directories currently installed.)  
Preparing to unpack libssl1.0.0-arsnf (1.0.0-1-debdeb) ...  
Unpacking libssl1.0.0-arsnf (1.0.0-1-debdeb) ...  
Setting up libssl1.0.0-arsnf (1.0.0-1-debdeb) ...  
pi@raspberrypi:~$ curl -LO https://github.com/ibm-messaging/iot-raspberrypi/rel  
leases/download/1.0.2.1/iot_1.0-2_arsnf.deb  
% Total % Received % Xferd Average Speed Time Time Time Current  
0 0 0 0 0 0 0 0 0:00:00 0:00:00 0:00:00 0 0  
100 100 100 100 0 0 0 0 0:00:03 0:00:03 0:00:03 48190  
pi@raspberrypi:~$ sudo dpkg -i iot_1.0-2_arsnf.deb  
(Reading database ... 115626 files and directories currently installed.)  
Preparing to unpack iot_1.0-2_arsnf.deb ...  
Unpacking iot (1.0-1) over (1.0-1) ...  
Setting up iot (1.0-1) ...  
Processing triggers for systemd (232-25+deb9u1) ...  
pi@raspberrypi:~$ service iot status  
* iot.service - LSB: IoT service  
Loaded: loaded (/etc/init.d); generated; vendor preset; enabled  
Active: active (running) since Mon 2017-10-23 06:56:25 UTC; 37s ago  
Docs: man:systemd-sysv-generator(8)  
CGroup: /system.slice/iot.service  
└─2562 /opt/iot/iot /dev/null  
Oct 23 06:56:24 raspberrypi systemd[1]: Starting LSB: IoT service...  
Oct 23 06:56:24 raspberrypi iot[2562]: Starting the iot program  
Oct 23 06:56:25 raspberrypi iot[2562]: *** IoT Raspberry Pi Sample has started ***  
Oct 23 06:56:25 raspberrypi iot[2562]: Config file not found. Going to Quickstart mode  
Oct 23 06:56:25 raspberrypi iot[2562]: Running in Quickstart mode  
Oct 23 06:56:25 raspberrypi systemd[1]: Started LSB: IoT service.  
Oct 23 06:56:25 raspberrypi iot[2562]: Connecting to tcp://quickstart.messaging.internetofthings.ibmcloud.com:1883 with client Id: diquickstart:iot-sample-raspberrypi:b027e0dc6734  
Oct 23 06:56:25 raspberrypi iot[2562]: Connection was successful  
pi@raspberrypi:~$ cat  
bash: cat: command not found  
pi@raspberrypi:~$
```

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pi@raspberrypi:~  
File Edit Tabs Help  
pi@raspberrypi:~$ pip install ibmiotf  
Collecting ibmiotf  
  Downloading ibmiotf-0.3.0.tar.gz (584K)  
    100% |#####| 61kB 510kB/s  
Collecting dicttoxml==1.7.4 (from ibmiotf)  
  Downloading dicttoxml-1.7.4.tar.gz  
Collecting iso8601==0.1.10 (from ibmiotf)  
  Downloading iso8601-0.1.12-py2.py3-none-any.whl  
Collecting paho-mqtt==1.2 (from ibmiotf)  
  Downloading paho-mqtt-1.3.1.tar.gz (804K)  
    100% |#####| 81kB 916kB/s  
Collecting pytz==2014.7 (from ibmiotf)  
  Using cached pytz-2017.2-py2.py3-none-any.whl  
Collecting requests==2.5.0 (from ibmiotf)  
  Downloading requests-2.18.4-py2.py3-none-any.whl (88kB)  
    100% |#####| 92kB 1.6MB/s  
Collecting requests-toolbelt==0.7.0 (from ibmiotf)  
  Downloading requests-toolbelt-0.8.0-py2.py3-none-any.whl (54kB)  
    100% |#####| 61kB 1.6MB/s  
Collecting xmltodict==0.10.2 (from ibmiotf)  
  Downloading xmltodict-0.11.0-py2.py3-none-any.whl  
Collecting urllib3==1.23.1 (from requests==2.5.0->ibmiotf)  
  Downloading urllib3-1.22-py2.py3-none-any.whl (132kB)  
    100% |#####| 133kB 1.4MB/s  
Collecting idna==2.7.py2.py3 (from requests==2.5.0->ibmiotf)  
  Downloading idna-2.6-py2.py3-none-any.whl (56kB)  
    100% |#####| 61kB 1.7MB/s  
Collecting chardet==3.0.4-py2.py3-none-any.whl (133kB)  
  Downloading chardet-3.0.4-py2.py3-none-any.whl (133kB)  
    100% |#####| 143kB 1.0MB/s  
Collecting certifi==2017.4.17 (from requests==2.5.0->ibmiotf)  
  Using cached certifi-2017.7.27.1-py2.py3-none-any.whl  
Building wheels for collected packages: ibmiotf, dicttoxml, paho-mqtt  
  Running setup.py bdist_wheel for ibmiotf ... done  
  Stored in directory: /home/pi/.cache/pip/wheels/7e/f9/45/b0c33ad957e2f7b71ba80e316d65a83d9d735ad12e0c0418  
  Running setup.py bdist_wheel for dicttoxml ... done  
  Stored in directory: /home/pi/.cache/pip/wheels/45/62/59/96910b33ec8a7b2a66a13765401b5d6f5468024078e12c0e  
  Running setup.py bdist_wheel for paho-mqtt ... done  
  Stored in directory: /home/pi/.cache/pip/wheels/20/d8/6d/acc8f289011b7be7de71deebef6642f683be0313dfff0493  
Successfully built ibmiotf dicttoxml paho-mqtt  
Installing collected packages: dicttoxml, iso8601, paho-mqtt, pytz, urllib3, idna, chardet, certifi, requests, requests-toolbelt, xmltodict, ibmiotf  
Successfully installed certifi-2017.7.27.1 chardet-3.0.4 dicttoxml-1.7.4 ibmiotf-0.3.0 idna-2.6 iso8601-0.1.12 paho-mqtt-1.3.1 pytz-2017.2 requests-2.18.4 requests-toolbelt-0.8.0 urllib3-1.22 xmltodict-0.11.0  
pi@raspberrypi:~$
```

```
Python 2.7.13 Shell
Python 2.7.13 (default, Jan 19 2017, 14:48:08)
[GCC 6.3.0 20170124] on linux2
Type "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: /home/pi/Downloads/dht11toibmiot.py =====
2017-10-23 07:18:37,768 ibmiotf.device.client INFO Connected successfully: d:gegtl4:mydevice:mydevice
Published Temperature = 28 C Humidity = 50 % to IBM Watson
SensorData Invalid
Published Temperature = 28 C Humidity = 50 % to IBM Watson
SensorData Invalid
Published Temperature = 28 C Humidity = 50 % to IBM Watson
SensorData Invalid
Published Temperature = 28 C Humidity = 50 % to IBM Watson
Published Temperature = 29 C Humidity = 50 % to IBM Watson
Published Temperature = 29 C Humidity = 50 % to IBM Watson
|
```

IBM Watson IoT Platform

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Browse Action Device Types Interfaces

Add Device

Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

Q Search by Device ID Device Simulator

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> weather_today	Disconnected	weather_device	Device	Nov 4, 2022 8:58 AM	

Items per page 50 | 1-1 of 1 item 1 of 1 page

1 Simulation running

Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
weather_today	Disconnected	weather_device	Device	Nov 4, 2022 8:58 AM	

Identity Device Information Recent Events State Logs

Device ID

weather_today

Device Type

weather_device

Date Added

Nov 4, 2022 8:58 AM

Added By

msadhithyan05@gmail.com

Connection Status

Disconnected

Simulations

[Import/Export simulation](#)



1/50 Simulations Running

[+ New Simulation](#)

Device Type
weather_device



1 Event



1 Device

 weather_today



1 x

Create Simulated Device

Use Registered Device

