

## Publish Data To The IBM Cloud

Date	16 <sup>th</sup> November 2022
Team ID	PNT2022TMID09925
Project Name	Project – Signs with Smart Connectivity for Better Road Safety

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pi@raspberrypi: ~
File Edit Tabs Help
2017-10-23 06:55:22 -- http://ftp.nl.debian.org/debian/pool/main/o/openssl/lib
ssl1.0.0-1.0.1t-1-deb8u0_armhf.deb
Resolving ftp.nl.debian.org (ftp.nl.debian.org)... 136.89.149.21, 2081:67c:2564:
:80::21
Connecting to ftp.nl.debian.org (ftp.nl.debian.org)[136.89.149.21]:80... connect
ed.
HTTP request sent, awaiting response... 200 OK
Length: 847950 (848K) [application/x-debian-package]
Saving to: 'libssl1.0.0-1.0.1t-1-deb8u0_armhf.deb'

libssl1.0.0-1.0.1t- 100%[=====] 847.63K 358KB/s in 2.4s

2017-10-23 06:55:25 (358 KB/s) - 'libssl1.0.0-1.0.1t-1-deb8u0_armhf.deb' saved [
847950/847950]

pi@raspberrypi:~$ sudo dpkg -i libssl1.0.0-1.0.1t-1-deb8u0_armhf.deb
Selecting previously unselected package libssl1.0.0:armhf.
(Reading database ... 115096 files and directories currently installed.)
Preparing to unpack libssl1.0.0-1.0.1t-1-deb8u0_armhf.deb ...
Unpacking libssl1.0.0:armhf (1.0.1t-1-deb8u0) ...
Setting up libssl1.0.0:armhf (1.0.1t-1-deb8u0) ...
pi@raspberrypi:~$ curl -LO https://github.com/iot-raspberrypi/rel
leases/download/1.0.2.1/iot_1.0.2_armhf.deb
% Total % Received % Xferd Average Speed Time Time Current
Dload Upload Total Spent Left Speed
100 164 0 164 0 0 157 0 --:--:-- 0:00:01 --:--:-- 157
100 606 0 606 0 0 457 0 --:--:-- 0:00:01 --:--:-- 457
100 110k 100 110k 0 0 20117 0 0:00:03 0:00:03 --:--:-- 48198
pi@raspberrypi:~$ sudo dpkg -i iot_1.0.2_armhf.deb
(Reading database ... 115626 files and directories currently installed.)
Preparing to unpack iot_1.0.2_armhf.deb ...
Unpacking iot (1.0.2) over (1.0.1) ...
Setting up iot (1.0.2) ...
Processing triggers for systemd (232-25-deb9u1) ...
pi@raspberrypi:~$ systemctl status
* iot.service - LSB: IoT service
Loaded: loaded (/etc/init.d/iot; 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 /usr/lib/iot/dev/null

Oct 23 06:56:24 raspberrypi systemd[1]: Starting LSB: IoT service...
Oct 23 06:56:24 raspberrypi iot[2567]: 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:b027ebbc6734
pi@raspberrypi:~$ ssnet
hash: scot: command not found
pi@raspberrypi:~$

pi@raspberrypi: ~
File Edit Tabs Help
pi@raspberrypi:~$ pip install ibmiotf
Collecting ibmiotf
  Downloading ibmiotf-0.3.0.tar.gz (584K)
    100% |#####| 618K 510K/s
Collecting dicttoolx==1.7.4 (from ibmiotf)
  Downloading dicttoolx-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 (504K)
    100% |#####| 818K 616K/s
Collecting pytz==2014.7 (from ibmiotf)
  Using cached pytz-2017.2-py2.py3-none-any.whl
Collecting requests==2.5.5 (from ibmiotf)
  Downloading requests-2.18.4-py2.py3-none-any.whl (88K)
    100% |#####| 928K 1.0MB/s
Collecting requests-toolbelt==0.7.0 (from ibmiotf)
  Downloading requests-toolbelt-0.8.0-py2.py3-none-any.whl (54K)
    100% |#####| 618K 616K/s
Collecting xmltodict==0.10.2 (from ibmiotf)
  Downloading xmltodict-0.11.0-py2.py3-none-any.whl
Collecting urllib3<1.23,=>1.21.1 (from requests==2.5.5->ibmiotf)
  Downloading urllib3-1.22-py2.py3-none-any.whl (132K)
    100% |#####| 132K 1.4MB/s
Collecting idna<2.7,=>2.6 (from requests==2.5.5->ibmiotf)
  Downloading idna-2.6-py2.py3-none-any.whl (56K)
    100% |#####| 143K 1.0MB/s
Collecting chardet<3.1.0,=>3.0.2 (from requests==2.5.5->ibmiotf)
  Downloading chardet-3.0.4-py2.py3-none-any.whl (133K)
    100% |#####| 143K 1.0MB/s
Collecting certifi==2017.4.17 (from requests==2.5.5->ibmiotf)
  Using cached certifi-2017.7.27.1-py2.py3-none-any.whl
Building wheels for collected packages: ibmiotf, dicttoolx, paho-mqtt
Running setup.py bdist_wheel for ibmiotf ... done
Stored in directory: /home/pi/.cache/pip/wheels/7f/f9/45/bbc33ad957e2f7b1ba80e316d05a83d9d735ad12e0c0418
Running setup.py bdist_wheel for dicttoolx ... done
Stored in directory: /home/pi/.cache/pip/wheels/45/62/59/96910b33ec6a7b2ae66a13765401b5b0df5468024078a12cc
Running setup.py bdist_wheel for paho-mqtt ... done
Stored in directory: /home/pi/.cache/pip/wheels/70/8b/8d/acdc8f2890111b7be7de71deebef0642f683be0313dfff0493
Successfully built ibmiotf dicttoolx paho-mqtt
Installing collected packages: dicttoolx, iso8601, paho-mqtt, pytz, urllib3, idna, chardet, certifi, requests, requests-toolbelt, xmltodict, ibmiotf
Successfully installed certifi-2017.7.27.1 chardet-3.0.4 dicttoolx-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:~$

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Python 2.7.13 Shell
File Edit Shell Debug Options Window Help
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
Published Temperature = 29 C Humidity = 50 % to IBM Watson
Published Temperature = 29 C Humidity = 50 % to IBM Watson
|
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