

## Publish Data To The IBM Cloud

Date	19 <sup>th</sup> November 2022
Team ID	PNT2022TMID42177
Project Name	Project – Signs with Smart Connectivity for Better Road Safety

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pi@raspberrypi: ~
File Edit Tabs Help
root@10-23-06:56:22 ~ http://ftp.nl.debian.org/debian/pool/main/o/openssl/11b
all.0.0.1-1+deb8u8_armhf.deb
Resolving ftp.nl.debian.org (ftp.nl.debian.org)... 136.89.149.21, 2081:67c:2564:
1120::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: 817950 (800k) [application/x-debian-package]
Saving to: 'libssl1.0.0-1.0.0-1-1+deb8u8_armhf.deb'

libssl1.0.0-1.0.0-1-100%[=====] 847.61K 350KB/s in 2.4s

2017-10-23 06:55:25 (358 KB/s) - 'libssl1.0.0-1.0.0-1-1+deb8u8_armhf.deb' saved [
817950/817950]

pi@raspberrypi:~$ sudo dpkg -i libssl1.0.0-1.0.0-1-1+deb8u8_armhf.deb
Selecting previously unselected package libssl1.0.0:armhf.
(Reading database ... 115608 files and directories currently installed.)
Preparing to unpack libssl1.0.0-1.0.0-1-1+deb8u8_armhf.deb ...
Unpacking libssl1.0.0:armhf (1.0.0-1-1+deb8u8) ...
Setting up libssl1.0.0:armhf (1.0.0-1-1+deb8u8) ...
pi@raspberrypi:~$ curl -s https://github.com/ibm-messaging/iot-raspberrypi/releases/download/1.0.2/iot-1.0-2_armhf.deb
% Total % Received % Xferd Average Speed Time Time Current
100 384 0 384 0 0 157 0 --:--: 0:00:01 --:--: 157
100 608 0 608 0 0 457 0 --:--: 0:00:01 --:--: 457
100 110k 100 110k 0 0 2917 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 (1.0-1) over (1.0-1) ...
Setting up iot (1.0-1) ...
Processing triggers for systemd (232-25+deb8u1) ...
pi@raspberrypi:~$ service iot 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; 17s ago
Docs: man:systemd-sysv-generator(8)
CGroup: /system.slice/iot.service
└─2562 /api/iot/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:b827ebc6f34
Oct 23 06:25 raspberrypi iot[2562]: Connection was successful
pi@raspberrypi:~$ scot
bash: 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% |#####| 61k 510KB/s
  Collecting dicttool>=1.7.4 (from ibmiotf)
    Downloading dicttool-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 (604k)
    100% |#####| 81k 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 (88k)
    100% |#####| 92k 1.6MB/s
  Collecting requests-toolbelt>=0.7.0 (from ibmiotf)
    Downloading requests-toolbelt-0.8.0-py2.py3-none-any.whl (54k)
    100% |#####| 61k 1.6MB/s
  Collecting xmldict>=0.10.2 (from ibmiotf)
    Downloading xmldict-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 (132k)
    100% |#####| 13k 1.4MB/s
  Collecting idna>=2.7.0; <3.0 (from requests>=2.5.0->ibmiotf)
    Downloading idna-2.6-py2.py3-none-any.whl (56k)
    100% |#####| 61k 1.7MB/s
  Collecting chardet>=3.0.4; <3.0.6 (from requests>=2.5.0->ibmiotf)
    Downloading chardet-3.0.4-py2.py3-none-any.whl (133k)
    100% |#####| 14k 1.0MB/s
  Collecting certifi>=2017.4.7 (from requests>=2.5.0->ibmiotf)
    Using cached certifi-2017.7.27.1-py2.py3-none-any.whl
Building wheels for collected packages: ibmiotf, dicttool, paho-mqtt
Running setup.py bdist_wheel for ibmiotf ... done
Stored in directory: /home/pi/.cache/pip/wheels/1e/49/45/b0c33ad957e2f7b71ba89e316d65a83d9d735ad612ebc0418
Running setup.py bdist_wheel for dicttool ... done
Stored in directory: /home/pi/.cache/pip/wheels/45/62/59/96910b33ecba7b2aa66a13765401b5bde5f468024078e12c2e
Running setup.py bdist_wheel for paho-mqtt ... done
Stored in directory: /home/pi/.cache/pip/wheels/20/d8/8d/acc8f289011b7be7de17d0ebef6647fb3be0313dff0493
Successfully built ibmiotf dicttool paho-mqtt
Installing collected packages: dicttool, iso8601, paho-mqtt, pytz, urllib3, idna, chardet, certifi, requests, requests-toolbelt, xmldict, ibmiotf
Successfully installed certifi-2017.7.27.1 chardet-3.0.4 dicttool-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 xmldict-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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