

Publish Data To The IBM Cloud

Date	15 th November 2022
Team ID	PNT2022TMID16025
Project Name	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
ssl1.0.0-1.0-1+deb8u6_armhf.deb
Resolving ftp.nl.debian.org (ftp.nl.debian.org)... 130.89.149.21, 2001:67c:2564:
a120::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: 867950 (848K) [application/x-debian-package]
Saving to: 'libssl1.0.0-1.0-1+deb8u6_armhf.deb'

libssl1.0.0-1.0-1- 100%[=====] 847.61K 350KB/s in 2.4s

2017-10-23 06:55:25 (358 KB/s) - 'libssl1.0.0-1.0-1+deb8u6_armhf.deb' saved [
867950/867950]

pi@raspberrypi:~ $ sudo dpkg -i libssl1.0.0-1.0-1+deb8u6_armhf.deb
Selecting previously unselected package libssl1.0.0:armhf.
(Reading database ... 115606 files and directories currently installed.)
Preparing to unpack libssl1.0.0-1.0-1+deb8u6_armhf.deb ...
Unpacking libssl1.0.0:armhf (1.0.1t-1+deb8u6) ...
Setting up libssl1.0.0:armhf (1.0.1t-1+deb8u6) ...
pi@raspberrypi:~ $ curl -LO https://github.com/ibm-messaging/iot-raspberrypi/rel
eases/download/1.0.2.1/iot_1.0-2_armhf.deb
% Total % Received % Xferd Average Speed Time Time Time Current
Dload Upload Total Spent Left Speed
100 164 0 164 0 0 157 0 --:--:-- 0:00:01 --:--:-- 157
100 609 0 609 0 0 457 0 --:--:-- 0:00:01 --:--:-- 457
100 110k 100 110k 0 0 29117 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+deb9u1) ...
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 06:56:29 UTC; 17s 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[2557]: 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:b827eb8c6734
Oct 23 06:56:25 raspberrypi iot[2562]: Connection was successful
pi@raspberrypi:~ $ scot
bash: scot: 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 (50kB)  
    100% |#####| 61kB 510kB/s  
Collecting dicttoxml<1.7.4 (from ibmiotf)  
  Downloading dicttoxml-1.7.4.tar.gz  
Collecting iso8601<0.1.12-py2.py3-none-any.whl  
  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 (50kB)  
    100% |#####| 81kB 915kB/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<0.8.0-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, >=1.21.1 (from requests<2.5.0->ibmiotf)  
  Downloading urllib3-1.22-py2.py3-none-any.whl (132kB)  
    100% |#####| 13kB 1.4MB/s  
Collecting idna<2.7, >=2.5 (from requests<2.5.0->ibmiotf)  
  Downloading idna-2.6-py2.py3-none-any.whl (56kB)  
    100% |#####| 61kB 1.7MB/s  
Collecting chardet<3.1.0, >=3.0.2 (from requests<2.5.0->ibmiotf)  
  Downloading chardet-3.0.4-py2.py3-none-any.whl (133kB)  
    100% |#####| 14kB 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/bbc3ad957e62f7b71ba80e316d65a83d9d735abd12e0c0418  
Running setup.py bdist_wheel for dicttoxml ... done  
Stored in directory: /home/pi/.cache/pip/wheels/45/62/59/96910b33ec6a7b2a66a13765401b5b0df5468024078e12c0c  
Running setup.py bdist_wheel for paho-mqtt ... done  
Stored in directory: /home/pi/.cache/pip/wheels/2b/08/0d/acdc8f2890111b7b7de71d0ebef0642fb83be0313dfff0493  
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:~$
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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 07:18:37,708 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  
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