

Publish Data To The IBM Cloud

Date	16 th November 2022
Team ID	PNT2022TMID40718
Project Name	Project – Signs with Smart Connectivity for Better Road Safety

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pi@raspberrypi: ~  
File Edit Tabs Help  
root@10-23-20:~$ curl -O http://ftp.nl.debian.org/debian/pool/main/o/openssl/libssl1.0.0_1.0.1f-1-deb8ue_armhf.deb  
Resolving ftp.nl.debian.org [ftp.nl.debian.org]... 136.89.149.21, 2001:67c: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: 847505 (848K) [application/x-debian-package]  
Saving to: 'libssl1.0.0_1.0.1f-1-deb8ue_armhf.deb'  
  
libssl1.0.0_1.0.1f-1deb8ue_armhf.deb  
[#####] 847.61K 35MB/s in 2.4s  
2017-10-23 06:56:25 (358 KB/s) - 'libssl1.0.0_1.0.1f-1-deb8ue_armhf.deb' saved [  
847505/847505]  
  
pi@raspberrypi:~$ sudo dpkg --get-selections | grep libssl1.0.0_1.0.1f-1-deb8ue_armhf.deb  
Selecting previously unselected package libssl1.0.0_1.0.1f-1-deb8ue_armhf.deb  
(Reading database ... 115626 files and directories currently installed.)  
Preparing to unpack libssl1.0.0_1.0.1f-1-deb8ue_armhf.deb ...  
Unpacking libssl1.0.0_1.0.1f-1-deb8ue_armhf.deb ...  
Setting up libssl1.0.0_1.0.1f-1-deb8ue_armhf.deb ...  
pi@raspberrypi:~$ curl -LO https://github.com/libn-messaging/iot-raspberrypi/releases/download/v1.0.2/int-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  
100 606 0 606 0 0 157 0 ----- 0:00:01 ---- 157  
100 1108 100 1108 0 0 29117 0 0:00:03 0:00:03 ---- 48150  
pi@raspberrypi:~$ sudo dpkg --get-selections | grep int-1.0-2-armhf.deb  
(Reading database ... 115626 files and directories currently installed.)  
Preparing to unpack int-1.0-2-armhf.deb ...  
Unpacking iot (1.0-3) over (1.0-1) ...  
Setting up iot (1.0-3) ...  
Processing triggers for systemd (232-25-debutils) ...  
pi@raspberrypi:~$ service iot status  
● iot.service - USB: IoT service  
Loaded: loaded (/etc/systemd/user; generated; vendor preset: enabled)  
Active: active (running) since Mon 2017-10-23 06:56:28 UTC; 17s ago  
Docs: man:systemd-sysv-generator(8)  
Group: /system.slice/iot.service  
Main PID: 2562 /usr/lib/systemd/systemd  
CGroup: /system.slice/iot.service  
└─2562 /usr/lib/systemd/systemd  
  
Oct 23 06:56:24 raspberrypi systemd[1]: Starting USB: IoT service...  
Oct 23 06:56:24 raspberrypi systemd[1]: Started the iot program  
Oct 23 06:56:25 raspberrypi systemd[2562]: **** IoT Rasperry Pi Sample has started ****  
Oct 23 06:56:25 raspberrypi systemd[2562]: Config file not found. Going to Quickstart mode  
Oct 23 06:56:25 raspberrypi systemd[2562]: Warning: In Quickstart mode  
Oct 23 06:56:25 raspberrypi systemd[1]: Started USB: IoT service.  
Oct 23 06:56:25 raspberrypi systemd[2562]: Connecting to tcp://quickstart.messaging.internetofthings.ibmcloud.com:1883 with client Id: diquickstart:ioctsample-raspberrypi1be27ebdc6734  
Oct 23 06:56:25 raspberrypi systemd[2562]: Connection was successful  
pi@raspberrypi:~$ cat /dev/null  
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-0.9.0.tar.gz (504kB)  
    100% |#####| 618K 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 (604kB)  
    100% |#####| 818K 516KB/s  
Collecting pytz==2014.10 (from ibmiotf)  
Using cached pytz-2017.2-py2.py3-none-any.whl  
Collecting requests==2.5.2 (from ibmiotf)  
  Downloading requests-2.18.4-py2.py3-none-any.whl (88kB)  
    100% |#####| 928K 3.6MB/s  
Collecting requests-toolbelt==0.7.0 (from ibmiotf)  
  Downloading requests-toolbelt-0.8.0-py2.py3-none-any.whl (54kB)  
    100% |#####| 618K 1.6MB/s  
Collecting smtplib==0.1.0 (from ibmiotf)  
  Downloading smtplib-0.1.0-py2.py3-none-any.whl  
Collecting urllib3==1.23.0 (from requests==2.5.0->ibmiotf)  
  Downloading urllib3-1.22-py2.py3-none-any.whl (112kB)  
    100% |#####| 1338K 3.4MB/s  
Collecting idna==2.7.0 (from requests==2.5.0->ibmiotf)  
  Downloading idna-2.6-py2.py3-none-any.whl (56kB)  
    100% |#####| 618K 1.7MB/s  
Collecting charset==1.0.0 (from requests==2.5.0->ibmiotf)  
  Downloading charset-2.0.4-py2.py3-none-any.whl (133kB)  
    100% |#####| 1438K 1.9MB/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, dicttool, paho-mqtt  
Running setup.py bdist_wheel for ibmiotf ... done  
Stored in directory: /home/pi/.cache/pip/wheels/7e/f9/45/bbc3ad957e82ff7b71ba95e316d05e83d9d735dd12e0c0418  
Running setup.py bdist_wheel for dicttool ... done  
Stored in directory: /home/pi/.cache/pip/wheels/85/62/59/d6031013ca7b3aa8ea137654d15b8da546a024879a12ce  
Running setup.py bdist_wheel for paho-mqtt ... done  
Stored in directory: /home/pi/.cache/pip/wheels/20/08/0b/acdc8f2090111b7de71d0e8f0642f53be0313df0f0493  
Successfully built ibmiotf dicttool paho-mqtt  
Installing collected packages: dicttool, iso8601, paho-mqtt, pytz, urllib3, idna, charset, certifi, requests, requests-toolbelt, smtplib, ibmiotf  
Successfully installed certifi-2017.7.27.1 charset-2.0.4 dicttool-1.7.4 ibmiotf-0.9.0 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 smtplib-0.1.2  
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/dht11toibm.py *****
2017-10-23 07:10:37.708 ibmiotf.device.Client INFO Connected successfully: d:geg14;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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