

Publish Data To The IBM Cloud

Date	13 th November 2022
Team ID	PNT2022TMID26698
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/11b
11.0.0-2+deb9u1-i-deb8u_arsmf.deb
Resolving ftp.nl.debian.org [ftp.nl.debian.org]... 130.89.149.21, 2001:67c:2064:
a129::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: 80780 (848K) [application/x-debian-package]
Saving to: 'libssl1.0.0-1.0-1-i-deb8u_arsmf.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-i-deb8u_arsmf.deb' saved [
80780/80780]

pi@raspberrypi:~$ sudo dpkg --get-selections | grep libssl1.0.0
Desselecting previously unselected package libssl1.0.0:arsmf.
(Reading database ... 115606 files and directories currently installed.)
Preparing to unpack libssl1.0.0-1.0-1-i-deb8u_arsmf.deb ...
Unpacking libssl1.0.0:arsmf (1.0.1f-1-deb8u) ...
Setting up libssl1.0.0:arsmf (1.0.1f-1-deb8u) ...
pi@raspberrypi:~$ curl -LO https://github.com/iitm-messaging/iot-raspberrypi/releases/download/v0.2.1/int-1.0-2-arsmf.deb
% Total % Received % Xferd Average Speed Time Time Time Current
100 364 0 364 0 0 159 0:00:00 0:00:00 0:00:00 159
100 608 0 608 0 0 457 0:00:00 0:00:00 0:00:00 457
100 110k 100 110k 0 0 20117 0:00:03 0:00:03 0:00:00 48190
pi@raspberrypi:~$ sudo dpkg --install int-1.0-2-arsmf.deb
(Reading database ... 115627 files and directories currently installed.)
Preparing to unpack int-1.0-2-arsmf.deb ...
Unpacking int (1.0-1) over (1.0-1) ...
Setting up int (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; init; generated; vendor preset; enabled)
Active: active (running) since Mon 2017-10-23 06:56:25 UTC; 17s ago
Docs: man:sysexits-generator(8)
Group: /system.slice/iot.service
CGroup: /system.slice/systemd-journald
└─2562 /opt/int/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:ioetsample-raspberrypi:b827ebdc6734
Oct 23 06:56:25 raspberrypi iot[2562]: Connection was successful
pi@raspberrypi:~$ sscot
bash: sscot: command not found
pi@raspberrypi:~$

pi@raspberrypi: ~
File Edit Tabs Help

pi@raspberrypi:~$ pip install ibmiotrf
Collecting ibmiotrf
Downloading ibmiotrf-0.3.0.tar.gz (50kB)
100% |#####| 61kB 510kB/s
Collecting dicttoxml==1.7.4 (from ibmiotrf)
Downloading dicttoxml-1.7.4.tar.gz
Collecting iso8601==0.1.10 (from ibmiotrf)
Downloading iso8601-0.1.10-py2.py3-none-any.whl
Collecting paho-mqtt==1.2 (from ibmiotrf)
Downloading paho-mqtt-1.2.1.tar.gz (90kB)
100% |#####| 61kB 510kB/s
Collecting pytz==2014.7 (from ibmiotrf)
Using cached pytz-2017.2-py2.py3-none-any.whl
Collecting requests==2.5.0 (from ibmiotrf)
Downloading requests-2.19.4-py2.py3-none-any.whl (88kB)
100% |#####| 92kB 1.0MB/s
Collecting requests-toolbelt==0.1.0 (from ibmiotrf)
Downloading requests-toolbelt-0.10.0-py2.py3-none-any.whl (54kB)
100% |#####| 61kB 1.0MB/s
Collecting xmltodict==0.10.0 (from ibmiotrf)
Downloading xmltodict-0.11.0-py2.py3-none-any.whl
Collecting urllib3[secure]==1.22 (from requests==2.5.0->ibmiotrf)
Downloading urllib3-1.22-py2.py3-none-any.whl (112kB)
100% |#####| 13kB 1.4MB/s
Collecting idna==2.7-py2.py3 (from requests==2.5.0->ibmiotrf)
Downloading idna-2.6-py2.py3-none-any.whl (56kB)
100% |#####| 61kB 1.7MB/s
Collecting charset==1.0.0-py2.py3 (from requests==2.5.0->ibmiotrf)
Downloading charset-1.0.0-py2.py3-none-any.whl (13kB)
100% |#####| 13kB 1.0MB/s
Collecting certifi==2017.4.7 (from requests==2.5.0->ibmiotrf)
Using cached certifi-2017.7.27.1-py2.py3-none-any.whl
Building wheels for collected packages: ibmiotrf, dicttoxml, paho-mqtt
Running setup.py bdist_wheel for ibmiotrf ... done
Stored in directory: /home/pi/.cache/pip/wheels/7e/f9/45/b3c3ad957e82f7b71ba09e136d6a83d9d735efdd12e0c0418
Running setup.py bdist_wheel for dicttoxml ... done
Stored in directory: /home/pi/.cache/pip/wheels/45/62/50/96920b33eca7b2aa68e113765401b8bf546a0240781ec0c
Running setup.py bdist_wheel for paho-mqtt ... done
Stored in directory: /home/pi/.cache/pip/wheels/20/08/6d/ac0cf8208d11b7be7d1deebf6642fb530e9133df07f493
Successfully built ibmiotrf dicttoxml paho-mqtt
Installing collected packages: dicttoxml, iso8601, paho-mqtt, pytz, urllib3, idna, charset, certifi, requests, requests-toolbelt, xmltodict, ibmiotrf
Successfully installed certifi-2017.7.27.1 charset-1.0 dicttoxml-1.7.4 ibmiotrf-0.3.0 idna-2.6 iso8601-0.1.10 paho-mqtt-1.3.1 pytz-2017.2 requests-2.19.4 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/dht11toilmiot.py *****
2017-10-23 07:18:37.708 ibmiotf.device.Client INFO Connected successfully: d:gegit14;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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