Publish Data To The IBM Cloud

Team ID

Project Name   PNT2022TMID41478

Project – **Smart waste managment system for metropolitan city**

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+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_1.0.1t-1+deb8u6_armhf.deb'

libssl1.0.0_1.0.1t- 100%[===================>] 847.61K  358KB/s   in 2.4s

2017-10-23 06:55:25 (358 KB/s) - 'libssl1.0.0_1.0.1t-1+deb8u6_armhf.deb' saved [
867950/867950]

pi@raspberrypi:~ $ sudo dpkg -i libssl1.0.0_1.0.1t-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_1.0.1t-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 --:--:-- --:--:-- --:--:--   157
100   609    0   609    0     0    457      0 --:--:-- --:--:-- --:--:--   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 (1.0-3) over (1.0-1) ...
Setting up iot (1.0-3) ...
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 06:56:25 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: d:quickstart:iotsample-raspberrypi:b827eb8c6734
Oct 23 06:56:25 raspberrypi iot[2562]: Connection was successful
pi@raspberrypi:~ $ scot
bash: scot: command not found
pi@raspberrypi:~ $
```

File Edit Tabs Help

```
pi@raspberrypi:~ $ pip install ibmiotf
Collecting ibmiotf
  Downloading ibmiotf-0.3.0.tar.gz (58kB)
    100% |████████████████████████████████| 61kB 510kB/s
Collecting dicttoxml>=1.7.4 (from ibmiotf)
  Downloading dicttoxml-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 (80kB)
    100% |████████████████████████████████| 81kB 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 (88kB)
    100% |████████████████████████████████| 92kB 1.6MB/s
Collecting requests_toolbelt>=0.7.0 (from ibmiotf)
  Downloading 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% |████████████████████████████████| 133kB 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% |████████████████████████████████| 143kB 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/bbc33ad957e82f7b71ba80e316d65a83d9d735a0d12e0c0418
  Running setup.py bdist_wheel for dicttoxml ... done
  Stored in directory: /home/pi/.cache/pip/wheels/45/62/59/96910b33ec6a7b2ae66a13765401b50def546802407de12ccw
  Running setup.py bdist_wheel for paho-mqtt ... done
  Stored in directory: /home/pi/.cache/pip/wheels/2b/d8/0d/acdc8f2890111b7be7de71deebef0642fb83be0313dfff0493
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 xmltod
ict-0.11.0
pi@raspberrypi:~ $
```

Simulations

Import/Export simulation

1/50 Simulations Running

+ New Simulation

Device Type
weather_device

🔧 | 1 Event | ✓⭕ | 🗑️

1 Device

⚙ weather_today ⋮

1 × | **Create Simulated Device** | **Use Registered Device**