

Publish Data To The IBM Cloud

Team ID

PNT2022TMID06036

Project Name

Project – Smart waste management 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
ull-0.0.1-1+deb8u6_armhf.deb
Resolving ftp.nl.debian.org (ftp.nl.debian.org)... 130.89.149.21, 2081:67c:2504:
1280::22
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: 887950 (868K) [application/x-debian-package]
Saving to: 'libssl1.0.0-1.0.1-1+deb8u6_armhf.deb'

libssl1.0.0-1.0.1-1+deb8u6_armhf.deb 847.61K 358KB/s in 2.4s

2017-10-23 06:55:25 (358 KB/s) - 'libssl1.0.0-1.0.1-1+deb8u6_armhf.deb' saved [
887950/887950]

pi@raspberrypi ~$ sudo dpkg -i libssl1.0.0-1.0.1-1+deb8u6_armhf.deb
Selecting previously unselected package libssl1.0.0-armhf.
(Reading database ... 115000 files and directories currently installed.)
Preparing to unpack libssl1.0.0-1.0.1-1+deb8u6_armhf.deb ...
Unpacking libssl1.0.0-armhf (1.0.1-1+deb8u6) ...
Setting up libssl1.0.0-armhf (1.0.1-1+deb8u6) ...

pi@raspberrypi ~$ curl -LO https://github.com/ibm-messaging/iot-raspberrypi/ra
w/master/download/1.0.2-1/iot-1.0-2_armhf.deb
% Total % Received % Xferd Average Speed Time Time Time Current
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
100 164 0 164 0 0 157 0 0 0 0 0 0 0 0 0 0 157
100 500 0 500 0 0 427 0 0 0 0 0 0 0 0 0 0 427
100 1104 100 1104 0 0 29117 0 0 0:00:03 0:00:03 0:00:03 48190

pi@raspberrypi ~$ sudo dpkg -i iot-1.0-2_armhf.deb
(Reading database ... 115000 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 - USB: IoT service
Loaded: loaded (/etc/init.d); generated; vendor preset; enabled
Active: active (running) since Mon 2017-10-23 06:56:25 UTC; 37s ago
Docs: man:systemd-sysv-generator(8)
CGroup: /system.slice/iot.service
└─2562 /usr/sbin/iotd -d /dev/null

Oct 23 06:56:24 raspberrypi systemd[1]: Starting USB: IoT service...
Oct 23 06:56:24 raspberrypi s0t[2562]: Starting the iot program
Oct 23 06:56:25 raspberrypi s0t[2562]: **** IoT Raspberry Pi Sample has started ****
Oct 23 06:56:25 raspberrypi s0t[2562]: Config file not found. Going to Quickstart mode
Oct 23 06:56:25 raspberrypi s0t[2562]: Running in Quickstart mode
Oct 23 06:56:25 raspberrypi systemd[1]: Started USB: IoT service.
Oct 23 06:56:25 raspberrypi s0t[2562]: Connecting to tcp://quickstart.messaging.internetofthings.ibmcloud.com:1883 with client ID: dquickstart:iotasample-raspberrypi:b827dbbc6734
Oct 23 06:56:25 raspberrypi s0t[2562]: Connection was successful
pi@raspberrypi ~$ scot
bash: scot: command not found
pi@raspberrypi ~$
```

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File Edit Tabs Help
pi@raspberrypi ~$ pip install ibmiotf
Collecting ibmiotf
  Downloading ibmiotf-0.3.0.tar.gz (504K)
    100% |#####| 81K 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 (80K)
    100% |#####| 81K 910KB/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 (68KB)
    100% |#####| 133K 1.4MB/s
Collecting requests-toolbelt>=0.7.0 (from ibmiotf)
  Downloading requests-toolbelt-0.8.0-py2.py3-none-any.whl (54KB)
    100% |#####| 81K 1.6MB/s
Collecting xmldict>=0.10.2 (from ibmiotf)
  Downloading xmldict-0.11.0-py2.py3-none-any.whl
Collecting urllib3>=1.22.1 (from requests>=2.5.0->ibmiotf)
  Downloading urllib3-1.22-py2.py3-none-any.whl (113KB)
    100% |#####| 133K 1.4MB/s
Collecting idna>=2.7,<=2.5 (from requests>=2.5.0->ibmiotf)
  Downloading idna-2.4-py2.py3-none-any.whl (56KB)
    100% |#####| 81K 1.7MB/s
Collecting charset>=3.1.0,<=3.0.2 (from requests>=2.5.0->ibmiotf)
  Downloading charset-3.0.4-py2.py3-none-any.whl (133KB)
    100% |#####| 143K 1.6MB/s
Collecting certifi>=2017.4.31 (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/bbc3ad957e62f7b71ba80e316d05a83d9d735ad12e0c0418
Running setup.py bdist_wheel for paho-mqtt ... done
Stored in directory: /home/pi/.cache/pip/wheels/45/62/59/96910833ec6a7b2ae66a13765401b50def546862487be12c2e
Running setup.py bdist_wheel for dicttool ... done
Stored in directory: /home/pi/.cache/pip/wheels/20/08/0d/acdc8f289011b7b7e71d0ebef8642f83be0313dfff0493
Successfully built ibmiotf dicttool paho-mqtt
Installing collected packages: dicttool, iso8601, paho-mqtt, pytz, urllib3, idna, charset, certifi, requests, requests-toolbelt, xmldict, ibmiotf
Successfully installed certifi-2017.7.27.1 charset-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 ~$
```

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

Service Details - IBM Blu... IBM Watson IoT Platform

Secure https://geg14.internetofthings.ibmcloud.com/dashboard/#/boards/21cdc0e8-234c-45b5-93c8-2db4e2ce0206

IBM Watson IoT Platform QUICKSTART SERVICE STATUS DOCUMENTATION BLOG nisan@technovators@... ID: (geg14)

myboard + Add New Card Settings

Line chart

10 seconds now

Search by Device ID Device Simulator

Device ID	Status	Device Type	Class ID	Date Added
12345	Disconnected	NodeMCU	Device	Nov 9, 2022 12:36 AM

Identity Device Information Recent Events State Logs

Device ID 12345
Device Type NodeMCU
Date Added Nov 9, 2022 12:36 AM
Added By 113119ug07072@smartinternz.com
Connection Status Disconnected

Items per page 50 1-1 of 1 item 1 of 1 page

29°C Partly sunny 12:56 09-11-2022