

Publish Data To The IBM Cloud

Team ID

PNT2022TMID33876

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
lib1.0.0-1.0-11-1-debdeb_arsnf.deb
Resolving ftp.nl.debian.org (ftp.nl.debian.org)... 136.89.149.21, 2081:67c:2564:
a120::22
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: 887950 (868K) [application/x-debian-package]
Saving to: 'libssl1.0.0-1.0-11-1-debdeb_arsnf.deb'

libssl1.0.0-1.0-11-1-100%[=====] 847.61K 350KB/s in 2.4s

2017-10-23 06:55:25 [358 KB/s] - 'libssl1.0.0-1.0-11-1-debdeb_arsnf.deb' saved [
887950/887950]

pi@raspberrypi:~$ sudo dpkg -i libssl1.0.0-1.0-11-1-debdeb_arsnf.deb
Selecting previously unselected package libssl1.0.0:armhf.
(Reading database ... 115600 files and directories currently installed.)
Preparing to unpack libssl1.0.0-1.0-11-1-debdeb_arsnf.deb ...
Unpacking libssl1.0.0:armhf (1.0.1f-1-debdeb) ...
Setting up libssl1.0.0:armhf (1.0.1f-1-debdeb) ...
pi@raspberrypi:~$ curl -LO https://github.com/ibm-messaging/iot-raspberrypi/raw
/master/download/1.0.2-1/iot-1.0-2-arsnf.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 --:--: 121
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-arsnf.deb
(Reading database ... 115628 files and directories currently installed.)
Preparing to unpack iot-1.0-2-arsnf.deb ...
Unpacking iot (1.0-1) over (1.0-1) ...
Setting up iot (1.0-1) ...
Processing triggers for systemd (232-25-debdeb) ...
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 /qpt/iot/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:iot-sample-raspberrypi:b0276bdc6734
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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File Edit Tabs Help
pi@raspberrypi:~$ pip install ibmiotf
Collecting ibmiotf
  Downloading ibmiotf-0.3.0.tar.gz (584K)
    100% |#####| 618K 510KB/s
Collecting dicttoolx==1.7.4 (from ibmiotf)
  Downloading dicttoolx-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 (804K)
    100% |#####| 818K 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 smtplib==0.10.2 (from ibmiotf)
  Downloading smtplib-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% |#####| 132KB 1.4MB/s
Collecting idna==2.7,==2.5 (from requests==2.5.0->ibmiotf)
  Downloading idna-2.6-py2.py3-none-any.whl (58KB)
    100% |#####| 61KB 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% |#####| 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, dicttoolx, paho-mqtt
Running setup.py bdist_wheel for ibmiotf ... done
Stored in directory: /home/pi/.cache/pip/wheels/7e/f8/45/bbc33ad957e82f7b71ba80e315d65a83b9d735a8d12ebc0418
Running setup.py bdist_wheel for dicttoolx ... done
Stored in directory: /home/pi/.cache/pip/wheels/20/d8/bd/acc6f289011b7be7de71deebef0842fb83be0313dfff0493
Successfully built ibmiotf dicttoolx paho-mqtt
Installing collected packages: dicttoolx, iso8601, paho-mqtt, pytz, urllib3, idna, charset, certifi, requests, requests-toolbelt, smtplib, ibmiotf
Successfully installed certifi-2017.7.27.1 charset-3.0.4 dicttoolx-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 smtplib-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 x


Create Simulated Device

Use Registered Device


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


Secure | <https://gegtl4.internetofthings.ibmcloud.com/dashboard/#/boards/21cdc0e8-234c-45b5-93c8-2db4e2ce0206>

IBM Watson IoT Platform QUICKSTART SERVICE STATUS DOCUMENTATION BLOG nisan@technovators@... ID: geg94

myboard  [+ Add New Card](#) [Settings](#)

Line chart



10 seconds  Humidity [now](#)

Search by Device ID

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