

Publish Data To The IBM Cloud

Team ID

Project Name

PNT2022TMID39384

Project – Smart waste managment system for
metropolitan city

```
File Edit Tabs Help
pi@raspberrypi ~
2017-10-23 06:55:22 - http://ftp.nl.debian.org/debian/pool/main/o/openssl/libssl1.0.0-1.0.1-1-debdeb.arsnf.deb
Resolving ftp.nl.debian.org (ftp.nl.debian.org)... 130.89.149.21, 2001:67c:2564:120::21
Connecting to ftp.nl.debian.org (ftp.nl.debian.org)[130.89.149.21]:80... connect
HTTP request sent, awaiting response... 200 OK
Length: 867950 (848K) [application/x-debian-package]
Saving to: 'libssl1.0.0-1.0.1-1-debdeb.arsnf.deb'

libssl1.0.0-1.0.1-1 100%[=====] 847.61K 350KB/s in 2.4s

2017-10-23 06:55:25 (358 KB/s) - 'libssl1.0.0-1.0.1-1-debdeb.arsnf.deb' saved [867950/867950]

pi@raspberrypi ~ $ sudo dpkg -i libssl1.0.0-1.0.1-1-debdeb.arsnf.deb
Selecting previously unselected package libssl1.0.0-1.0.1-1-debdeb.arsnf.deb.
(Reading database ... 115600 files and directories currently installed.)
Preparing to unpack libssl1.0.0-1.0.1-1-debdeb.arsnf.deb ...
Unpacking libssl1.0.0-1.0.1-1-debdeb.arsnf.deb ...
Setting up libssl1.0.0-1.0.1-1-debdeb.arsnf.deb ...

pi@raspberrypi ~ $ curl -LO https://github.com/ibm-messaging/iot-raspberrypi/releases/download/1.0.2.1/iot_1.0-2.arsnf.deb
% Total % Received % Xferd Average Speed Time Time Time Current
0 0 0 0 0 0 0 0 0:00:00 0:00:00 0:00:00 0
100 100 100 1104 0 0 20117 0 0:00:03 0:00:03 0:00:03 48198

pi@raspberrypi ~ $ sudo dpkg -i iot_1.0-2.arsnf.deb
(Reading database ... 115600 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+deb8u1) ...

pi@raspberrypi ~ $ service iot status
* iot.service - LSB: IoT service
Loaded: loaded (/etc/init.d); generated; vendor preset; enabled
Active: active (running) since Mon 2017-10-23 06:56:28 UTC; 17s ago
Docs: man:systemd-sysv-generator(8)
CGroup: /system.slice/iot.service
└─252 /opt/iot/iot /dev/null

Oct 23 06:56:24 raspberrypi systemd[1]: Starting LSB: IoT service...
Oct 23 06:56:24 raspberrypi iot[252]: Starting the iot program
Oct 23 06:56:25 raspberrypi iot[252]: *** IoT Raspberry Pi Sample has started ***
Oct 23 06:56:25 raspberrypi iot[252]: Config file not found. Going to Quickstart mode
Oct 23 06:56:25 raspberrypi iot[252]: Running in Quickstart mode
Oct 23 06:56:25 raspberrypi systemd[1]: Started LSB: IoT service.
Oct 23 06:56:25 raspberrypi iot[252]: Connecting to tcp://quickstart.messaging.internetofthings.ibmcloud.com:1883 with client Id: diquickstart:iot-sample-raspberrypi:b027eb0c6734
Oct 23 06:56:25 raspberrypi iot[252]: Connection was successful
pi@raspberrypi ~ $ scot
bash: scot: command not found
pi@raspberrypi ~ $
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File Edit Tabs Help
pi@raspberrypi ~
pi@raspberrypi ~ $ pip install ibmiotf
Collecting ibmiotf
  Downloading ibmiotf-0.3.0.tar.gz (584K)
    100% |#####| 818K 510KB/s
Collecting distro~=1.7.4 (from ibmiotf)
  Downloading distro-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 (604K)
    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% |#####| 928K 1.6MB/s
Collecting requests-toolbelt~=0.7.0 (from ibmiotf)
  Downloading requests-toolbelt-0.8.0-py2.py3-none-any.whl (54KB)
    100% |#####| 818K 1.6MB/s
Collecting xmltodict~=0.10.2 (from ibmiotf)
  Downloading xmltodict-0.11.0-py2.py3-none-any.whl
Collecting urllib3<1.22,=>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% |#####| 818K 1.7MB/s
Collecting charset3.1.0,=>3.0.2 (from requests==2.5.0->ibmiotf)
  Downloading charset3.1.0-3.0.2-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-py2.py3-none-any.whl
Building wheels for collected packages: ibmiotf, distro, paho-mqtt
Running setup.py bdist_wheel for ibmiotf ... done
Stored in directory: /home/pi/.cache/pip/wheels/7e/f9/45/bbc33a957e82f7b71ba80e316065a83d9d735ad12e0c0418
Running setup.py bdist_wheel for distro ... done
Stored in directory: /home/pi/.cache/pip/wheels/45/62/59/96910b33ecda7b2a68a13785401b5d6f5468024078a12cc
Running setup.py bdist_wheel for paho-mqtt ... done
Stored in directory: /home/pi/.cache/pip/wheels/20/0b/0d/acdc8f289011b7be7de71deebef8642fb83be0313dff0493
Successfully built ibmiotf distro paho-mqtt
Installing collected packages: distro, iso8601, paho-mqtt, pytz, urllib3, idna, charset, certifi, requests, requests-toolbelt, xmltodict, ibmiotf
Successfully installed certifi-2017.7.27.1 charset-3.0.4 distro-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 xmltodict-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... x IBM Watson IoT Platform x


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 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