

Publish Data To The IBM Cloud

Team ID

PNT2022TMID17404

Project Name

Project – Smart waste management system for metropolitan city

```
pi@raspberrypi: ~  
File Edit Tabs Help  
2017-10-23 06:55:22 - http://ftp.nl.debian.org/debian/pool/main/s/openssl/libssl1.0.0-1+deb8u6_armhf.deb  
Resolving ftp.nl.debian.org (ftp.nl.debian.org)... 130.09.149.21, 2001:67c:2504:  
129::22  
Connecting to ftp.nl.debian.org (ftp.nl.debian.org)[130.09.149.21]:80... connect  
ed  
FTP request sent, awaiting response... 200 OK  
Length: 887990 (848K) [application/x-debian-package]  
Saving to: 'libssl1.0.0-1+deb8u6_armhf.deb'  
libssl1.0.0-1+deb8u6_armhf.deb [=====] 847.61K 358KB/s in 2.4s  
2017-10-23 06:55:25 [358 KB/s] - 'libssl1.0.0-1+deb8u6_armhf.deb' saved [  
20760/887990]  
pi@raspberrypi:~$ sudo dpkg -i libssl1.0.0-1+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+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/releases/download/1.0.2/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 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 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
100 500 0 500 0 0 427 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  
100 118k 100 118k 0 0 29117 0 0 0:00:03 0:00:03 0:00:03 0:00:03 0:00:03 48190  
pi@raspberrypi:~$ sudo dpkg -i iot-1.0-2_armhf.deb  
Reading database ... 115620 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+deb0ul) ...  
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 06:56:25 UTC; 17s ago  
Docs: man:systemd-sysv-generator(8)  
CGroup: /system.slice/iot.service  
└─5562 /usr/lib/iot /dev/null  
Oct 23 06:56:24 raspberrypi systemd[1]: Starting LSB: IoT service...  
Oct 23 06:56:24 raspberrypi iot[2507]: 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: dquickstart:iot-sample-raspberrypi:b827ebc6734  
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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pi@raspberrypi: ~  
File Edit Tabs Help  
pi@raspberrypi:~$ pip install ibmiotf  
Collecting ibmiotf  
  Downloading ibmiotf-9.3.0.tar.gz (594K) | 61K 510KB/s  
    100% |#####| 61K 510KB/s  
Collecting dictioxml==1.7.4 (from ibmiotf)  
  Downloading dictioxml-1.7.4.tar.gz  
Collecting iso8601==0.1.10 (from ibmiotf)  
  Downloading iso8601-0.1.10-py2.py3-none-any.whl  
Collecting paho-mqtt==1.2 (from ibmiotf) ... done  
  Downloading paho-mqtt-1.3.1.tar.gz (80K)  
    100% |#####| 81K 916K/s  
Collecting pytz==2017.2 (from ibmiotf)  
Using cached pytz-2017.2-py2.py3-none-any.whl  
Collecting requests==2.5.0 (from ibmiotf)  
  Downloading requests-2.10.4-py2.py3-none-any.whl (884K)  
    100% |#####| 82K 1.0MB/s  
Collecting requests-toolbelt==0.7.0 (from ibmiotf)  
  Downloading requests-toolbelt-0.8.0-py2.py3-none-any.whl (544K)  
    100% |#####| 81K 1.0MB/s  
Collecting smtplib==0.10.2 (from ibmiotf)  
  Downloading smtplib-0.11.0-py2.py3-none-any.whl  
Collecting urllib3==2.2.1 (from requests==2.5.0->ibmiotf)  
  Downloading urllib3-1.22-py2.py3-none-any.whl (132K)  
    100% |#####| 133K 1.4MB/s  
Collecting idna==2.7.0 (from requests==2.5.0->ibmiotf)  
  Downloading idna-2.6-py2.py3-none-any.whl (56K)  
    100% |#####| 61K 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 (132K)  
    100% |#####| 143K 1.0MB/s  
Collecting certifi==2017.4.17 (from requests==2.5.0->ibmiotf)  
Using cached certifi-2017.2.27.1-py2.py3-none-any.whl  
Building wheels for collected packages: ibmiotf, dictioxml, paho-mqtt  
Running setup.py bdist_wheel for ibmiotf ... done  
Stored in directory: /home/pi/.cache/pip/wheels/7e/f9/45/bbc33ad957e62f7b71ba80e316d05a83d9d735ad12e0c0418  
Running setup.py bdist_wheel for dictioxml ... done  
Stored in directory: /home/pi/.cache/pip/wheels/45/62/59/96910b33ecba7b2ae6a13785401b5bde754862487b120ce  
Running setup.py bdist_wheel for paho-mqtt ... done  
Stored in directory: /home/pi/.cache/pip/wheels/20/08/0d/acdc8f289011b7b7de71debe706427b35de6313dfff0493  
Successfully built ibmiotf dictioxml paho-mqtt  
Installing collected packages: dictioxml, iso8601, paho-mqtt, pytz, urllib3, idna, charset, certifi, requests, requests-toolbelt, smtplib, ibmiotf  
Successfully installed certifi-2017.2.27.1 charset-3.0.4 dictioxml-1.7.4 ibmiotf-9.3.0 idna-2.6 iso8601-0.1.10 paho-mqtt-1.3.1 pytz-2017.2 requests-2.10.4 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 ×

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