

## Publish Data To The IBM Cloud

Date	7 November 2022
Team ID	PNT2022TMID12298
Project Name	Project – real time river water monitoring and control system

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pi@raspberrypi: ~
File Edit Tabs Help

2017-10-23 06:55:22-- http://ftp.nl.debian.org/debian/pool/main/o/openssl/lib
ssl1.0.0-1.0.11-1+deb8u6_armhf.deb
Resolving ftp.nl.debian.org (ftp.nl.debian.org)... 136.89.149.21, 2081:67c:2564:
20:22
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: 847950 (848k) [application/x-debian-package]
Saving to: 'libssl1.0.0-1.0.11-1+deb8u6_armhf.deb'

libssl1.0.0-1.0.11- 100%[=====] 847.63K 350KB/s in 2.4s

2017-10-23 06:55:25 (358 KB/s) - 'libssl1.0.0-1.0.11-1+deb8u6_armhf.deb' saved [
847950/847950]

pi@raspberrypi:~$ sudo dpkg -i libssl1.0.0-1.0.11-1+deb8u6_armhf.deb
Selecting previously unselected package libssl1.0.0:armhf.
Reading database ... 115608 files and directories currently installed.)
Preparing to unpack libssl1.0.0-1.0.11-1+deb8u6_armhf.deb ...
Unpacking libssl1.0.0:armhf (1.0.11-1+deb8u6) ...
Setting up libssl1.0.0:armhf (1.0.11-1+deb8u6) ...
pi@raspberrypi:~$ curl -LO https://github.com/ibm-messaging/iot-raspberrypi/val
ues/download/1.0.2/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 --:--:-- 0:00:01 --:--:-- 157
100 606 0 606 0 0 457 0 --:--:-- 0:00:01 --:--:-- 457
100 110k 100 110k 0 0 2017 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 (1.0-2) 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/iot; 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 /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: diquickstart:iotcsample-raspberrypi:b827ebdc6734
Oct 23 06:56:25 raspberrypi iot[2562]: Connection was successful

pi@raspberrypi:~$ scot
bash: scot: command not found

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File Edit Tabs Help
@irasgherry:~$ pip install ibmiotf
Collecting ibmiotf
  Downloading ibmiotf-0.3.0.tar.gz (504kB)
    100% |#####| 61kB 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 (80kB)
    100% |#####| 81kB 516kB/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-2.10.4-py2.py3-none-any.whl (88kB)
    100% |#####| 92kB 1.0MB/s
Collecting requests-toolbelt==0.7.0 (from ibmiotf)
  Downloading requests-toolbelt-0.8.0-py2.py3-none-any.whl (54kB)
    100% |#####| 61kB 1.0MB/s
Collecting smtplib==0.10.2 (from ibmiotf)
  Downloading smtplib-0.11.0-py2.py3-none-any.whl
Collecting urllib3==1.23.1 (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 (from requests==2.5.0->ibmiotf)
  Downloading idna-2.6-py2.py3-none-any.whl (58kB)
    100% |#####| 61kB 1.7MB/s
Collecting charset3==1.0.1 (from requests==2.5.0->ibmiotf)
  Downloading charset3-1.0.4-py2.py3-none-any.whl (123kB)
    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/f9/45/bbc33ad957e62ff7b71ba09e316d65a83d9d735a0d12e0c0418
Running setup.py bdist_wheel for dicttoolx ... done
Stored in directory: /home/pi/.cache/pip/wheels/45/62/59/60910b33eca87b2aee8a13765403b9d6f546a2d40718e12c0e
Running setup.py bdist_wheel for paho-mqtt ... done
Stored in directory: /home/pi/.cache/pip/wheels/20/08/6d/zcdc8f280111b7be7de71deeef6642fb53ce8913dff0f0493
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-1.0.4 dicttoolx-1.7.4 ibmiotf-0.3.0 idna-2.6 iso8601-0.1.12 paho-mqtt-1.3.1 pytz-2017.2 requests-2.10.4 requests-toolbelt-0.8.0 urllib3-1.22
@irasgherry:~$
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