

## Publish Data To The IBM Cloud

Date	7 November 2022
Team ID	PNT2022TMID00966
Project Name	Project – real time river water monitoring and control system

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pi@raspberrypi: ~
File Edit Tabs Help
2017-10-23 06:55:23 -> https://fd0.n1.debian.org/debian/pool/main/o/openssl/libssl1.0.0_0.1.0.1t-1+deb8u6_armhf.deb
Retrieving ftp://ftp.n1.debian.org (ftp.n1.debian.org)... 136.89.149.23. 2001:67c::2504:1:20:1:21
Connecting to ftp.n1.debian.org (ftp.n1.debian.org)|136.89.149.23|:80... connect
HTTP request sent, awaiting response... 200 OK
Length: 887956 (840K) [application/x-debian-package]
Saving to: 'libssl1.0.0_0.1.0.1t-1+deb8u6_armhf.deb'

100%[=====] 847.61K 35800B/s in 2.4s
2017-10-23 06:55:25 (858 KB/s) - 'libssl1.0.0_0.1.0.1t-1+deb8u6_armhf.deb' saved [887956/887956]

pi@raspberrypi: ~ sudo dpkg -i libssl1.0.0_0.1.0.1t-1+deb8u6_armhf.deb
Selecting previously unselected package libssl1.0.0:armhf.
Reading package lists... Done
Building dependency tree... Done
The following packages were automatically installed and are no longer required.
Preparing to unpack libssl1.0.0_0.1.0.1t-1+deb8u6_armhf.deb ...
Unpacking libssl1.0.0:armhf (1:0.1.0.1t-1+deb8u6) ...
Setting up libssl1.0.0:armhf (1:0.1.0.1t-1+deb8u6) ...
pi@raspberrypi: ~ curl -L https://github.com/ibm-messaging/iot-raspberrypi/releases/download/v1.0.2/iot-raspberrypi-v1.0.2-armhf.deb
  % Total    % Received =Xfer Average Speed Time Time Current
                                         Download Upload Total Spent Left Speed
100   164     0  164     0   0  157  0:00:01 0:00:01 157
100   609     0  609     0   0  457  0:00:01 0:00:01 457
100   180     0  180     0   0  207  0:00:03 0:00:03 48196
pi@raspberrypi: ~ sudo dpkg -i iot1.0.2.armhf.deb
(Reading database ... 115628 files and directories currently installed.)
Preparing to unpack iot1.0.2.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 - 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:systemctl(1)
          https://www.freedesktop.org/wiki/Software/systemd
  Control: /systemctl -i /iot /dev/null
  Process: 15622 /opt/iot/iot /dev/null
Oct 23 06:56:24 raspberrypi systemd[1]: Starting IoT: IoT service...
Oct 23 06:56:24 raspberrypi iot[15622]: Starting IoT: IoT service...
Oct 23 06:56:26 raspberrypi iot[15622]: **** IoT Raspberry Pi Sample has started ****
Oct 23 06:56:25 raspberrypi iot[15622]: config file not found. Going to Quickstart mode
Oct 23 06:56:25 raspberrypi iot[15622]: Running in Quickstart mode
Oct 23 06:56:25 raspberrypi system[1]: Started IoT: IoT service.
Oct 23 06:56:25 raspberrypi iot[15622]: Connecting to tcp://quickstart.messaging.internetofthings.ibmcloud.com:1883 with client Id: d:quickstart:iotsample-raspberrypi:b027ab8ce734
Oct 23 06:56:25 raspberrypi iot[15622]: connection was successful
pi@raspberrypi: ~ scott
scott: command not found
pi@raspberrypi: ~

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pi@raspberrypi: ~ pip install ibmiotf
Collecting ibmiotf
  Downloading ibmiotf-0.3.0.tar.gz (594B)
    100% [=====] 61kB 510kB/s
Collecting dicttoxml>=1.7.4 (from ibmiotf)
  Downloading dicttoxml-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)
  Downloading paho-mqtt-1.3.1.tar.gz (80kB)
    100% [=====] 81kB 916kB/s
Collecting pytz>=2014.7 (from ibmiotf)
  Using cached pytz-2014.7-py2.py3-none-any.whl
Collecting requests>=2.5.0 (from ibmiotf)
  Downloading requests-2.18.4-py2.py3-none-any.whl
    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 xldiotd>=0.10.2 (from ibmiotf)
  Downloading xldiotd-0.10.2-py2.py3-none-any.whl
Collecting urllib3>1.23,>=1.23.1 (from requests>=2.5.0->ibmiotf)
  Downloading urllib3-1.22-py2.py3-none-any.whl (132kB)
    100% [=====] 133kB 1.4MB/s
Collecting idna>=2.5 (from requests>=2.5.0->ibmiotf)
  Downloading idna-2.6-py2.py3-none-any.whl (56kB)
    100% [=====] 61kB 1.7MB/s
Collecting chardet>3.1.0,>=3.0.2 (from requests>=2.5.0->ibmiotf)
  Downloading chardet-3.0.4-py2.py3-none-any.whl (133kB)
    100% [=====] 61kB 1.7MB/s
Collecting certifi>=2017.7.27 (from requests>=2.5.0->ibmiotf)
  Using cached certifi-2017.7.27.1-py2.py3-none-any.whl
Building wheels for collected packages: ibmiotf, dicttoxml, paho-mqtt
Running setup.py bdist_wheel for ibmiotf ... done
Created wheel for ibmiotf: filename=ibmiotf-0.3.0-py2.py3-none-any.whl
Running setup.py bdist_wheel for dicttoxml ... done
Stored in directory: /home/pi/.cache/pip/wheels/45/62/59/06910833ec6a7b2ae66a13765401b5b0df546802407b12cce
Running setup.py bdist_wheel for paho-mqtt ... done
Stored in directory: /home/pi/.cache/pip/wheels/20/d8/80/acdc8f289911b7be7d01deebef0642fb3be013drfff0493
Successfully built ibmiotf dicttoxml paho-mqtt
Successfully installed certifi-2017.7.27.1 chardet-3.0.4 dicttoxml-1.7.4 ibmiotf-0.3.0 idna-2.6 iso8601-0.1.12 paho-mqtt-1.3.1 pytz-2017.2 requests-toolbelt-0.8.0 urllib3-1.22 xldiotd-0.11.0
pi@raspberrypi: ~

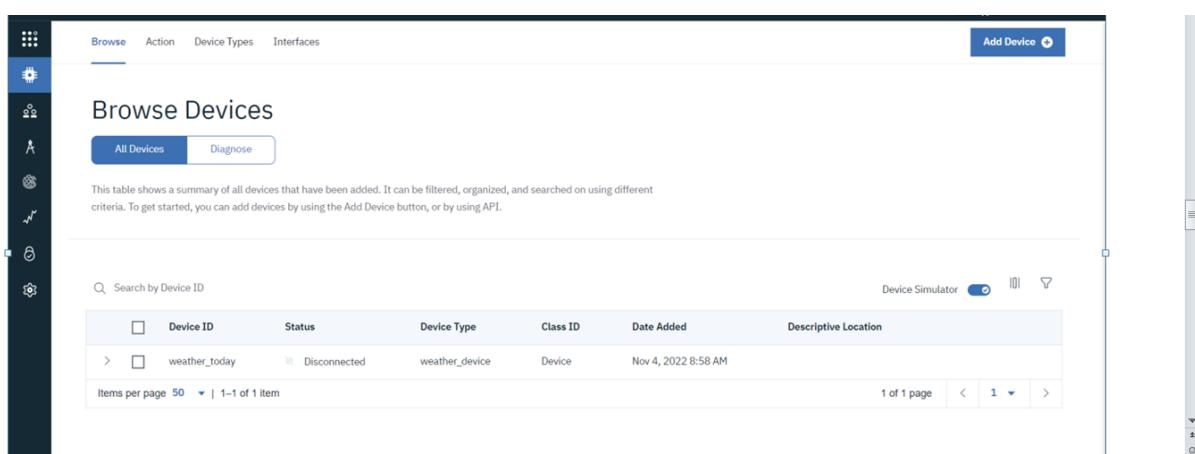
```



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*IDLE Shell 3.9.8*
File Edit Shell Debug Options Window Help
Python 3.9.8 (tags/v3.9.8:bb3fdcc, Nov 5 2021, 20:48:33) [MSC v.1929 64 bit (AM
D64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>>
===== RESTART: C:\Users\skcoder\OneDrive\Documents\wiotp.py =====
2022-11-02 12:19:40,909 wiotp.sdk.device.client.DeviceClient INFO Connecte
d successfully: d:eoic67:testdevicetype:123456
Published data Successfully: { 'temperature': 75, 'humidity': 28}
Published data Successfully: { 'temperature': 58, 'humidity': 7}
Published data Successfully: { 'temperature': 78, 'humidity': 80}
Published data Successfully: { 'temperature': 13, 'humidity': 10}
Published data Successfully: { 'temperature': 11, 'humidity': 10}
Published data Successfully: { 'temperature': -18, 'humidity': 60}
Published data Successfully: { 'temperature': 61, 'humidity': 47}
Published data Successfully: { 'temperature': 39, 'humidity': 36}
Published data Successfully: { 'temperature': 107, 'humidity': 33}
Published data Successfully: { 'temperature': 74, 'humidity': 87}
Published data Successfully: { 'temperature': 30, 'humidity': 40}
Published data Successfully: { 'temperature': -8, 'humidity': 76}
Published data Successfully: { 'temperature': 70, 'humidity': 17}
Published data Successfully: { 'temperature': 51, 'humidity': 73}
Published data Successfully: { 'temperature': 83, 'humidity': 95}
Published data Successfully: { 'temperature': 124, 'humidity': 75}
Published data Successfully: { 'temperature': 111, 'humidity': 53}
Published data Successfully: { 'temperature': 70, 'humidity': 30}
Published data Successfully: { 'temperature': 72, 'humidity': 38}
Published data Successfully: { 'temperature': 93, 'humidity': 25}
Published data Successfully: { 'temperature': 10, 'humidity': 34}
Published data Successfully: { 'temperature': 45, 'humidity': 4}
Published data Successfully: { 'temperature': 4, 'humidity': 19}
Published data Successfully: { 'temperature': -20, 'humidity': 61}
Published data Successfully: { 'temperature': -5, 'humidity': 83}

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Browse Action Device Types Interfaces Add Device +

## Browse Devices

All Devices Diagnose

This table shows a summary of all devices that have been added. It can be filtered, organized, and searched on using different criteria. To get started, you can add devices by using the Add Device button, or by using API.

<input type="checkbox"/>	Device ID	Status	Device Type	Class ID	Date Added	Descriptive Location
> <input type="checkbox"/>	weather_today	Disconnected	weather_device	Device	Nov 4, 2022 8:58 AM	

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