

## 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 06:52:22 - http://ftp.nl.debian.org/debian/pool/main/o/openssl/11b
all.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:
a120::21
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 (866K) [application/x-debian-package]
Saving to: 'libssl1.0.0.1.0.11-1-deb8u6_armhf.deb'

libssl1.0.0.1.0.11- 100%[=====] 847.61K 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 [
887950/887950]

pi@raspberrypi:~$ sudo dpkg -i libssl1.0.0.1.0.11-1-deb8u6_armhf.deb
Selecting previously unselected package libssl1.0.0.1.0.11-1-deb8u6_armhf.
(Reading database ... 115608 files and directories currently installed.)
Preparing to unpack libssl1.0.0.1.0.11-1-deb8u6_armhf.deb ...
Unpacking libssl1.0.0.1.0.11-1-deb8u6_armhf ...
Setting up libssl1.0.0.1.0.11-1-deb8u6_armhf ...
pi@raspberrypi:~$ curl -s https://github.com/ibm-messaging/iot-raspberrypi/releases/download/1.0.2.1/iot.1.0.2-armhf.deb
% Total % Received % Xferd Average Speed Time Time Time Current
100 384 0 384 0 0 157 0 --:--: 0:00:01 --:--:-- 157
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-armhf.deb
(Reading database ... 115626 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+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:systemd-sysv-generator(8)
CGroup: /system.slice/iot.service
└─2562 /api/iot/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: diquickstart:lotsample-raspberrypi:b027b0bc6734
Oct 23 06:56:25 raspberrypi iot[2562]: Connection was successful
pi@raspberrypi:~$ scot
bash: scot: command not found
pi@raspberrypi:~$
pi@raspberrypi: ~
File Edit Tabs Help
pi@raspberrypi:~$ pip install ibmiotf
Collecting ibmiotf
  Downloading ibmiotf-0.3.0.tar.gz (584K)
    100% |#####| 61K 510Kb/s
Collecting dicttoxml>=1.7.4 (from ibmiotf)
  Downloading dicttoxml-1.7.4.tar.gz
Collecting iso8601>=0.1.10 (from ibmiotf)
  Downloading iso8601-0.1.12-py2.py3-none-any.whl
Collecting paho-mqtt>=1.2 (from ibmiotf)
  Downloading paho-mqtt-1.3.1.tar.gz (604K)
    100% |#####| 81K 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 (88K)
    100% |#####| 92K 1.0Mb/s
Collecting requests-toolbelt>=0.7.0 (from ibmiotf)
  Downloading requests-toolbelt-0.8.0-py2.py3-none-any.whl (54K)
    100% |#####| 61K 1.0Mb/s
Collecting xmltodict>=0.12 (from ibmiotf)
  Downloading xmltodict-0.12.1-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 (132K)
    100% |#####| 13K 1.4Mb/s
Collecting idna<2.7,>=2.5 (from requests>=2.5.0->ibmiotf)
  Downloading idna-2.6-py2.py3-none-any.whl (56K)
    100% |#####| 61K 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 (133K)
    100% |#####| 143K 1.0Mb/s
Collecting certifi==2017.4.7 (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
Stored in directory: /home/pi/.cache/pip/wheels/7e/49/45/b0c33ad957e82f7b71ba80e316d6e8a3d9d735ad612eb0c0418
Running setup.py bdist_wheel for dicttoxml ... done
Stored in directory: /home/pi/.cache/pip/wheels/45/62/59/96910b33eca7b2aa66a13765401b5bde5f4680240718e12c0e
Running setup.py bdist_wheel for paho-mqtt ... done
Stored in directory: /home/pi/.cache/pip/wheels/20/68/bd/acc8f289011b7be7de71de0ebf8642f83be0313dff7f0493
Successfully built ibmiotf dicttoxml paho-mqtt
Installing collected packages: dicttoxml, paho-mqtt, pytz, urllib3, idna, chardet, certifi, requests, requests-toolbelt, xmltodict, ibmiotf
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-2.18.4 requests-toolbelt-0.8.0 urllib3-1.22 xmltodict-0.12.1
pi@raspberrypi:~$

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Python 3.9.8 (tags/v3.9.8:bb3fddf, Nov  5 2021, 20:48:33) [MSC v.1929 64 bit (AMD64)] 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 Connected successfully: d:eoic67:testdevicetype:123456
Published data Successfully: %s {'temperature': 75, 'humidity': 28}
Published data Successfully: %s {'temperature': 58, 'humidity': 7}
Published data Successfully: %s {'temperature': 78, 'humidity': 80}
Published data Successfully: %s {'temperature': 13, 'humidity': 10}
Published data Successfully: %s {'temperature': 11, 'humidity': 10}
Published data Successfully: %s {'temperature': -18, 'humidity': 60}
Published data Successfully: %s {'temperature': 61, 'humidity': 47}
Published data Successfully: %s {'temperature': 39, 'humidity': 36}
Published data Successfully: %s {'temperature': 107, 'humidity': 33}
Published data Successfully: %s {'temperature': 74, 'humidity': 87}
Published data Successfully: %s {'temperature': 30, 'humidity': 40}
Published data Successfully: %s {'temperature': -8, 'humidity': 76}
Published data Successfully: %s {'temperature': 70, 'humidity': 17}
Published data Successfully: %s {'temperature': 51, 'humidity': 73}
Published data Successfully: %s {'temperature': 83, 'humidity': 95}
Published data Successfully: %s {'temperature': 124, 'humidity': 75}
Published data Successfully: %s {'temperature': 111, 'humidity': 53}
Published data Successfully: %s {'temperature': 70, 'humidity': 30}
Published data Successfully: %s {'temperature': 72, 'humidity': 38}
Published data Successfully: %s {'temperature': 93, 'humidity': 25}
Published data Successfully: %s {'temperature': 10, 'humidity': 34}
Published data Successfully: %s {'temperature': 45, 'humidity': 4}
Published data Successfully: %s {'temperature': 4, 'humidity': 19}
Published data Successfully: %s {'temperature': -20, 'humidity': 61}
Published data Successfully: %s {'temperature': -5, 'humidity': 83}

```

[Browse](#)
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[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.

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Device Simulator ☒

<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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