

Publish Data To The IBM Cloud

Date	11 November 2022
Team ID	PNT2022TMID25985
Project Name	Project – real time river water monitoring and control system

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pi@raspberrypi: ~  
File Edit Tabs Help  
2017-10-23 06:58:22... http://ftp.nl.debian.org/debian/pool/main/o/openssl/libssl1.0.0-1-1-deb8u6_armhf.deb  
Resolving ftp.nl.debian.org (ftp.nl.debian.org)... 136.89.149.21, 2001:67c:2064::120:121  
Connecting to ftp.nl.debian.org (ftp.nl.debian.org)[136.89.149.21]:80... connect ed  
FTP request sent, awaiting response... 200 OK  
Length: 867960 (844K) [application/x-debian-package]  
Saving to: 'libssl1.0.0-1-1-deb8u6_armhf.deb'  
libssl1.0.0-1-1- 100%[=====] 847.61K 350KB/s in 2.4s  
2017-10-23 06:58:25 (358 KB/s) - 'libssl1.0.0-1-1-deb8u6_armhf.deb' saved [ 867960/867960]  
pi@raspberrypi:~$ sudo dpkg -i libssl1.0.0-1-1-deb8u6_armhf.deb  
Selecting previously unselected package libssl1.0.0-1-1-deb8u6_armhf.  
(Reading database ... 115606 files and directories currently installed.)  
Preparing to unpack libssl1.0.0-1-1-deb8u6_armhf.deb ...  
Unpacking libssl1.0.0-1-1-deb8u6_armhf (1.0.0-1-1-deb8u6) ...  
Setting up libssl1.0.0-1-1-deb8u6_armhf (1.0.0-1-1-deb8u6) ...  
pi@raspberrypi:~$ curl -LO 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  
0 0 0 0 0 0 0 0 0:00:01 --:--:-- 157  
100 606 0 606 0 257 0 --:--:-- 0:00:01 --:--:-- 407  
100 1306 100 1306 0 0 20117 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 06:58:25 UTC; 37s ago  
Docs: man:systemd-sysv-generator(8)  
CGroup: /system.slice/iot.service  
└─2562 /opt/iot/iot /devnull  
Oct 23 06:58:24 raspberrypi systemd[1]: Starting LSB: IoT service...  
Oct 23 06:58:24 raspberrypi iot[2561]: Starting the iot program  
Oct 23 06:58:25 raspberrypi iot[2562]: **** IoT Raspberry Pi Sample has started ****  
Oct 23 06:58:25 raspberrypi iot[2562]: Config file not found. Going to Quickstart mode  
Oct 23 06:58:25 raspberrypi iot[2562]: Running in Quickstart mode  
Oct 23 06:58:25 raspberrypi systemd[1]: Started LSB: IoT service.  
Oct 23 06:58:25 raspberrypi iot[2562]: Connecting to tcp://quickstart.messaging.internetofthings.ibmcloud.com:1883 with client Id: diquickstart:iot-sample-raspberrypi:b027eb6c6734  
Oct 23 06:58:25 raspberrypi iot[2562]: Connection was successful  
pi@raspberrypi:~$ sscot  
sscot: command not found  
pi@raspberrypi:~$
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pi@raspberrypi: ~  
File Edit Tabs Help  
pi@raspberrypi:~$ pip install ibmiotf  
Collecting ibmiotf  
  Downloading ibmiotf-0.3.0.tar.gz (584B)  
    100% |#####| 61kB 516kB/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 (804B)  
    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-2.18.4-py2.py3-none-any.whl (88kB)  
    100% |#####| 92kB 1.9MB/s  
Collecting requests-toolbelt==0.7.0 (from ibmiotf)  
  Downloading requests-toolbelt-0.8.0-py2.py3-none-any.whl (54kB)  
    100% |#####| 61kB 1.9MB/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,=2.5.3 (from requests==2.5.0->ibmiotf)  
  Downloading idna-2.0-py2.py3-none-any.whl (58kB)  
    100% |#####| 61kB 1.7MB/s  
Collecting chardet<3.1.0,=3.0.3 (from requests==2.5.0->ibmiotf)  
  Downloading chardet-3.0.4-py2.py3-none-any.whl (143kB)  
    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, dicttoxml, paho-mqtt  
Running setup.py bdist_wheel for ibmiotf ... done  
Stored in directory: /home/pi/.cache/pip/wheels/7e/f9/45/bbc3ad957e82f7b71ba80e316d05a93d9d73a8d12e0c0418  
Running setup.py bdist_wheel for dicttoxml ... done  
Stored in directory: /home/pi/.cache/pip/wheels/45/62/59/9e070b33ec8a7b2ae8e13765401b9d0f54a8024078e12c0e  
Running setup.py bdist_wheel for paho-mqtt ... done  
Stored in directory: /home/pi/.cache/pip/wheels/20/08/0d/acdc8f280d11b70e7de71d0e0ef6642f5830e613dfff0493  
Successfully built ibmiotf dicttoxml paho-mqtt  
Installing collected packages: dicttoxml, iso8601, 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-2.0 iso8601-0.1.10 paho-mqtt-1.3.1 pytz-2017.2 requests-2.18.4 requests-toolbelt-0.8.0 urllib3-1.22 xmltodict-0.11.0  
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