Connecting Sensor Tag to IBM BlueMix

You need to sign up for a free trial from IBM BlueMix. The trial is for 30 days and does not require a credit card.

At your terminal use Git command to clone the repository.

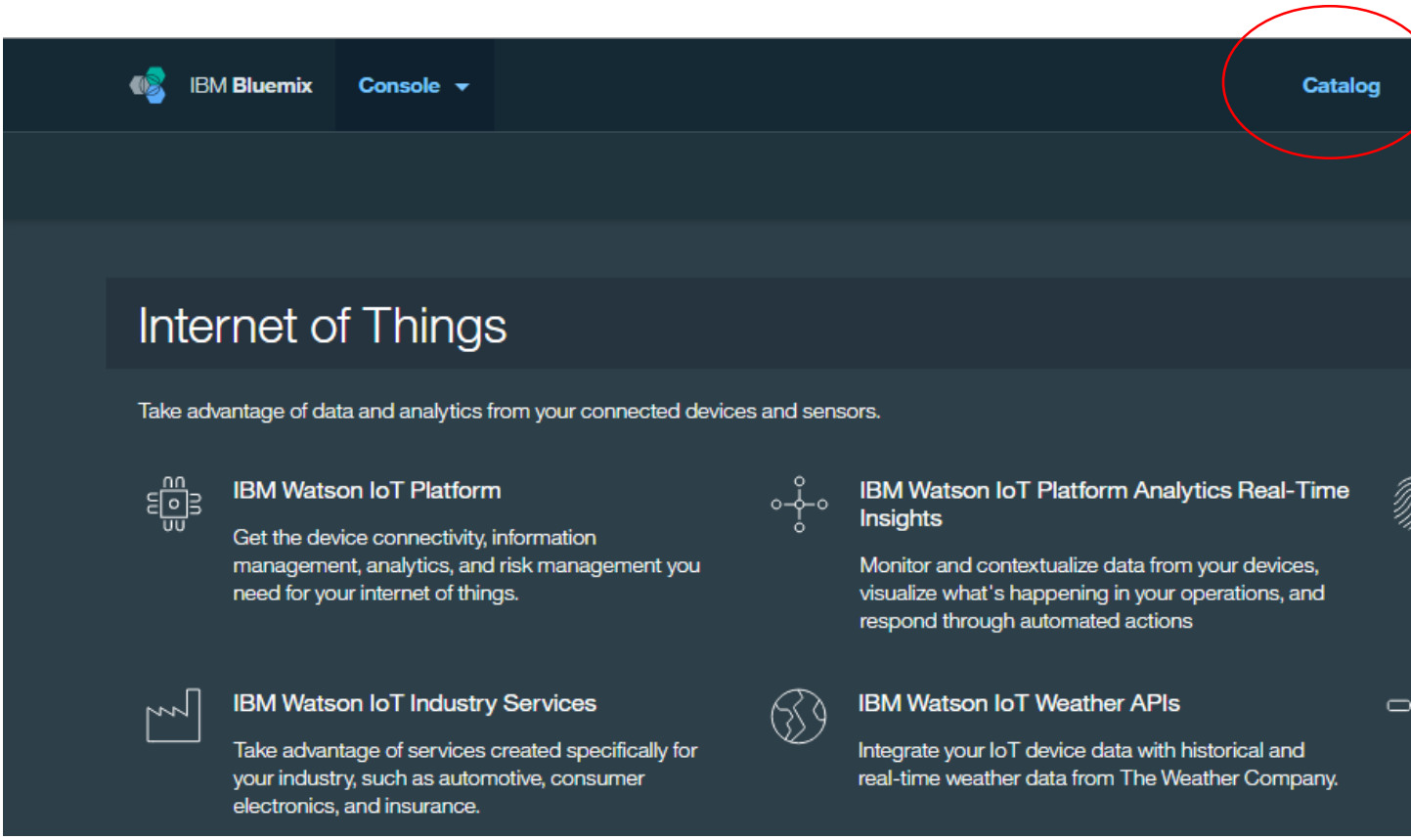
Found here - https://github.com/IBM-Bluemix/iot-sensor-tag

git clone https://github.com/IBM-Bluemix/iot-sensor-tag

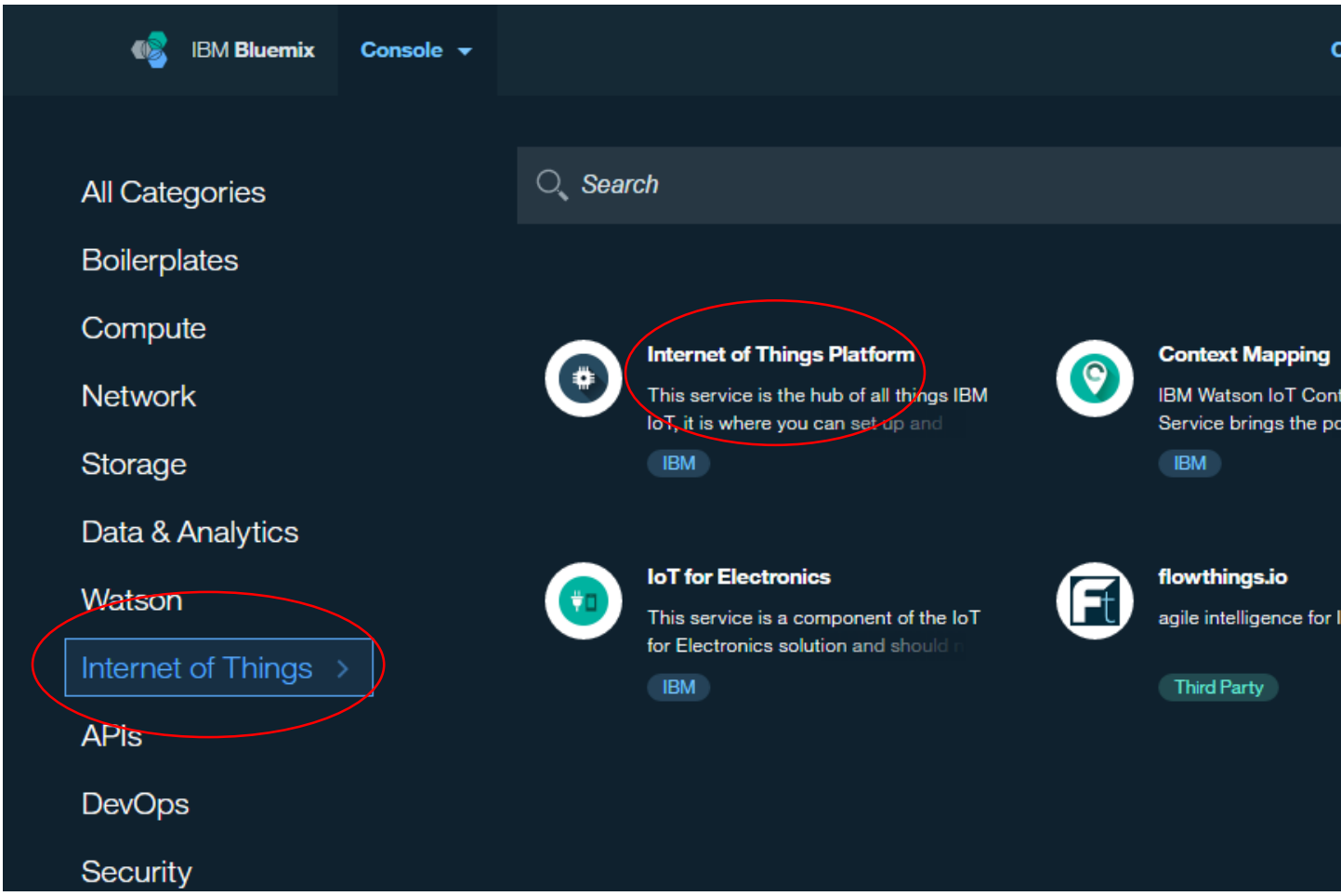
Move to the publish directory and execute the command *npm install* – **You may see some warnings but as long as they are not errors it should be okay**.

The following steps are to set up BlueMix and the Raspbery Pi:

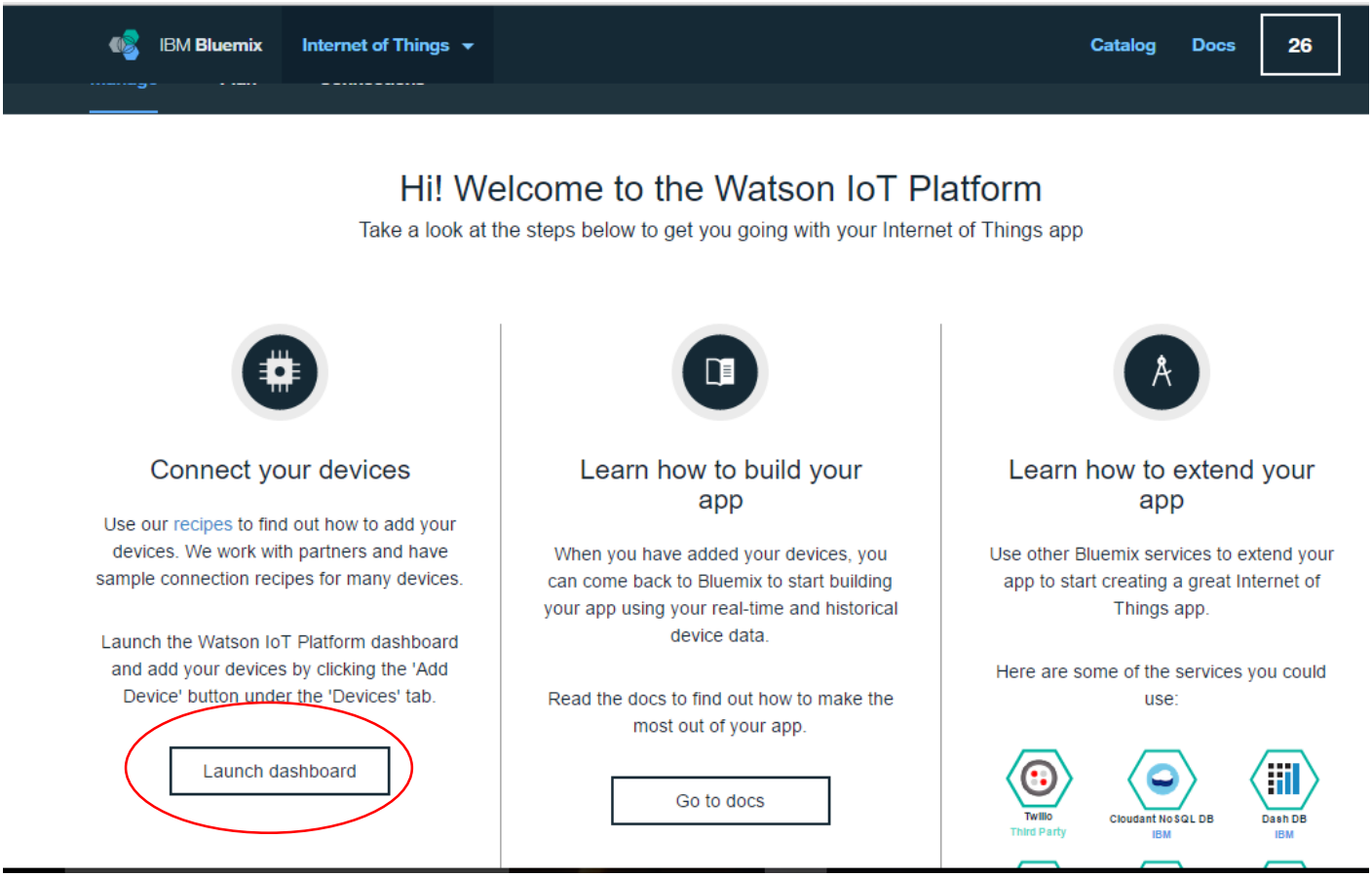
Step 1 Console for IBM. Click on Catalog.



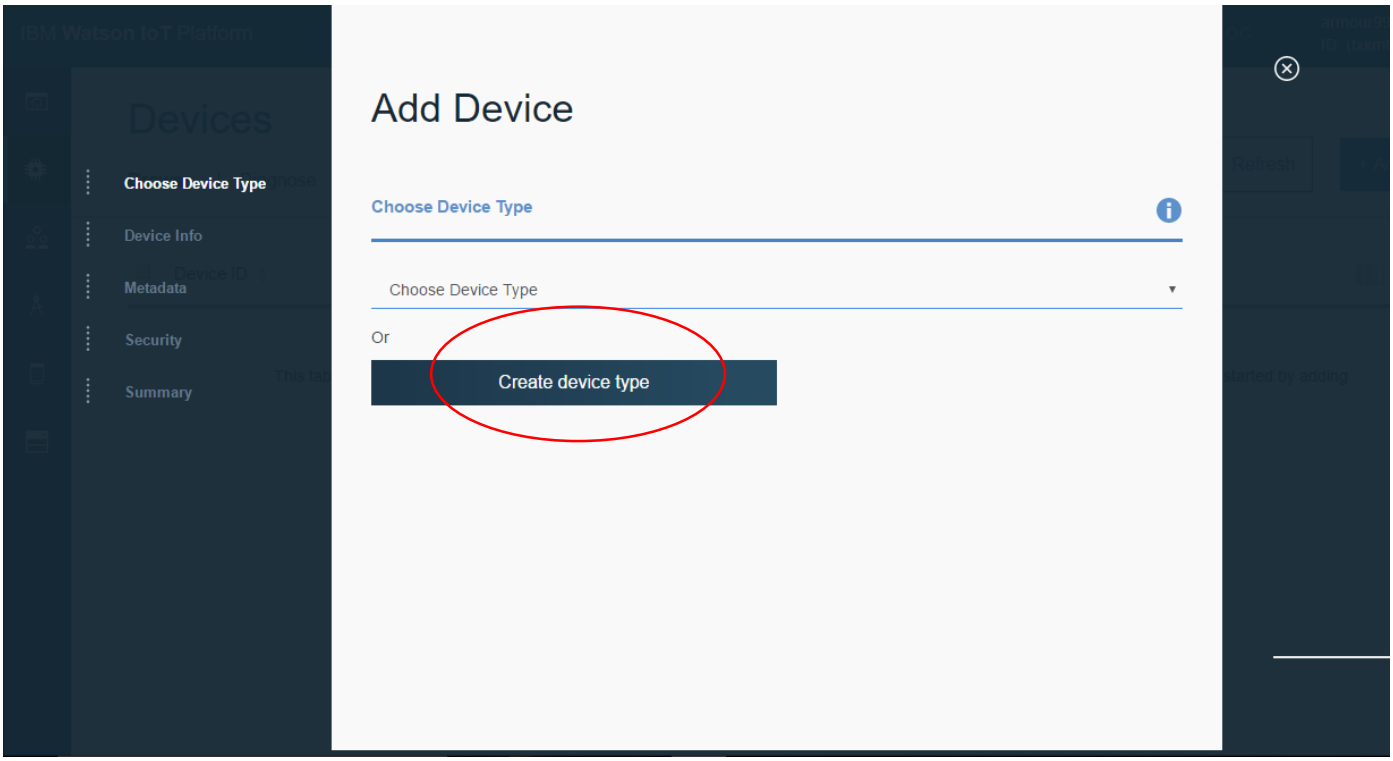
Step 2 Select Internet of Things on the left. Now select Internet of Things Platform



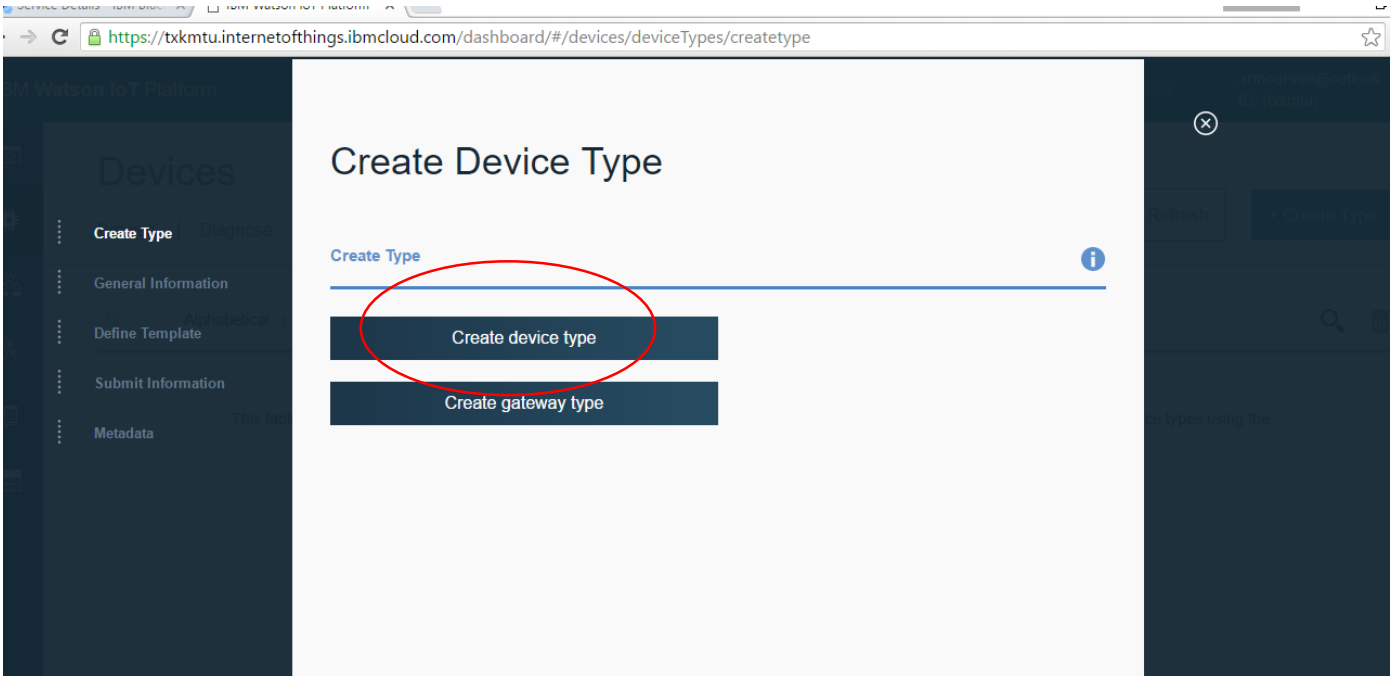
Step 3 Under Connect your device – click on Launch dashboard



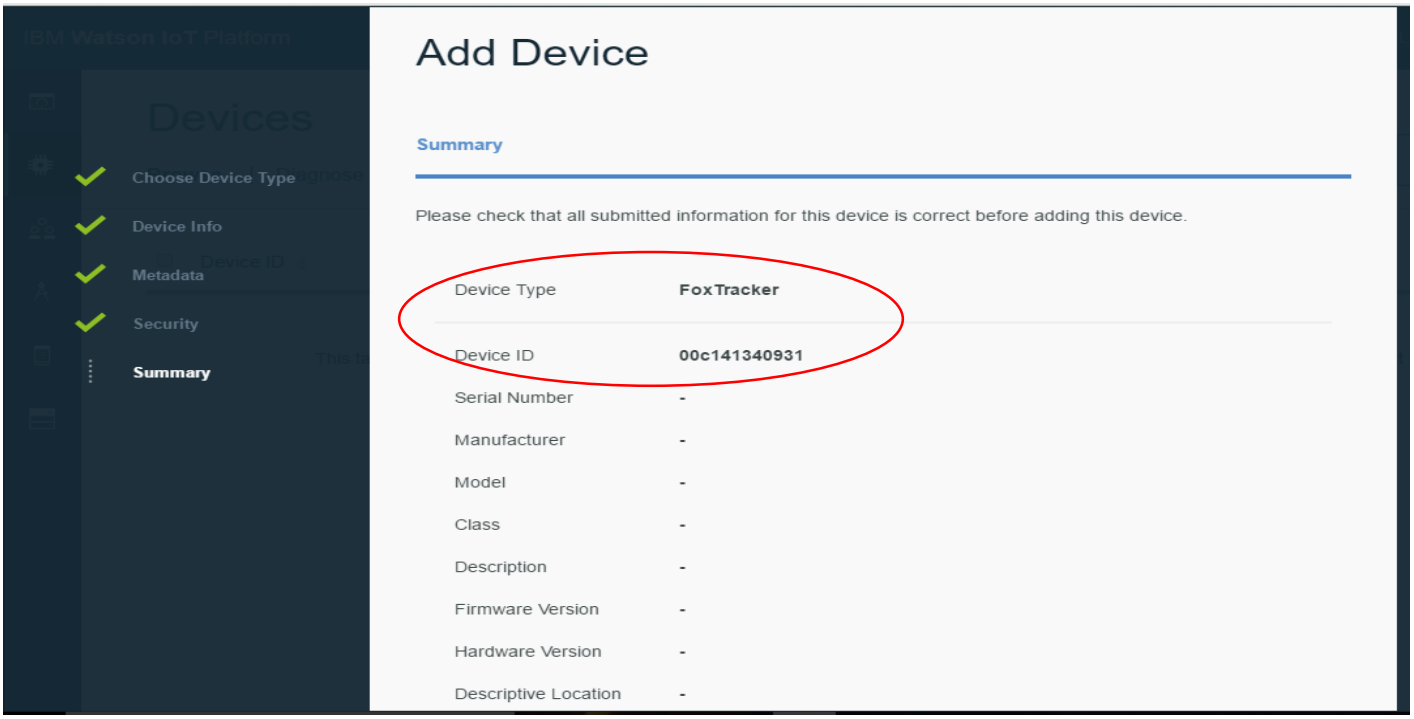
Step 4 Select Create Device Type



Step 5 Select Create device type:



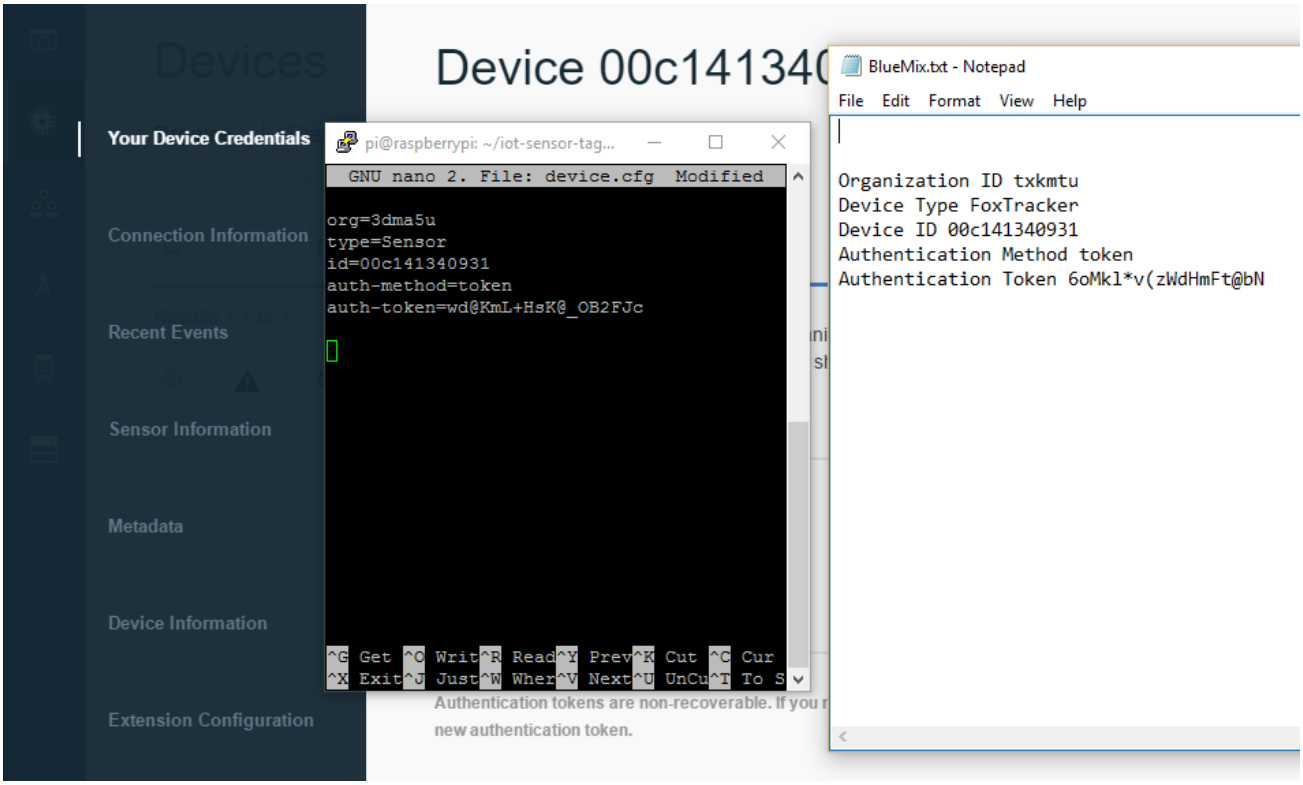
Step 6 Name your Device. Add the MAC address for the Pi. The MAC address can be found using ifconfig at the command line. All other fields are not mandatory



Step 7 Generate Credentials

During the setup you have to create a config.properties to store you credentials generated by Bluemix. My credentials have changed so I'm not concerned about showing them. The device.cfg shows one set of credentials modified to work in the program. If you view his video the syntax has changed to the example in Notepad. Use sudo nano within the publish directory to copy your credentials to that was generated by Bluemix.

sudo nano config.properties

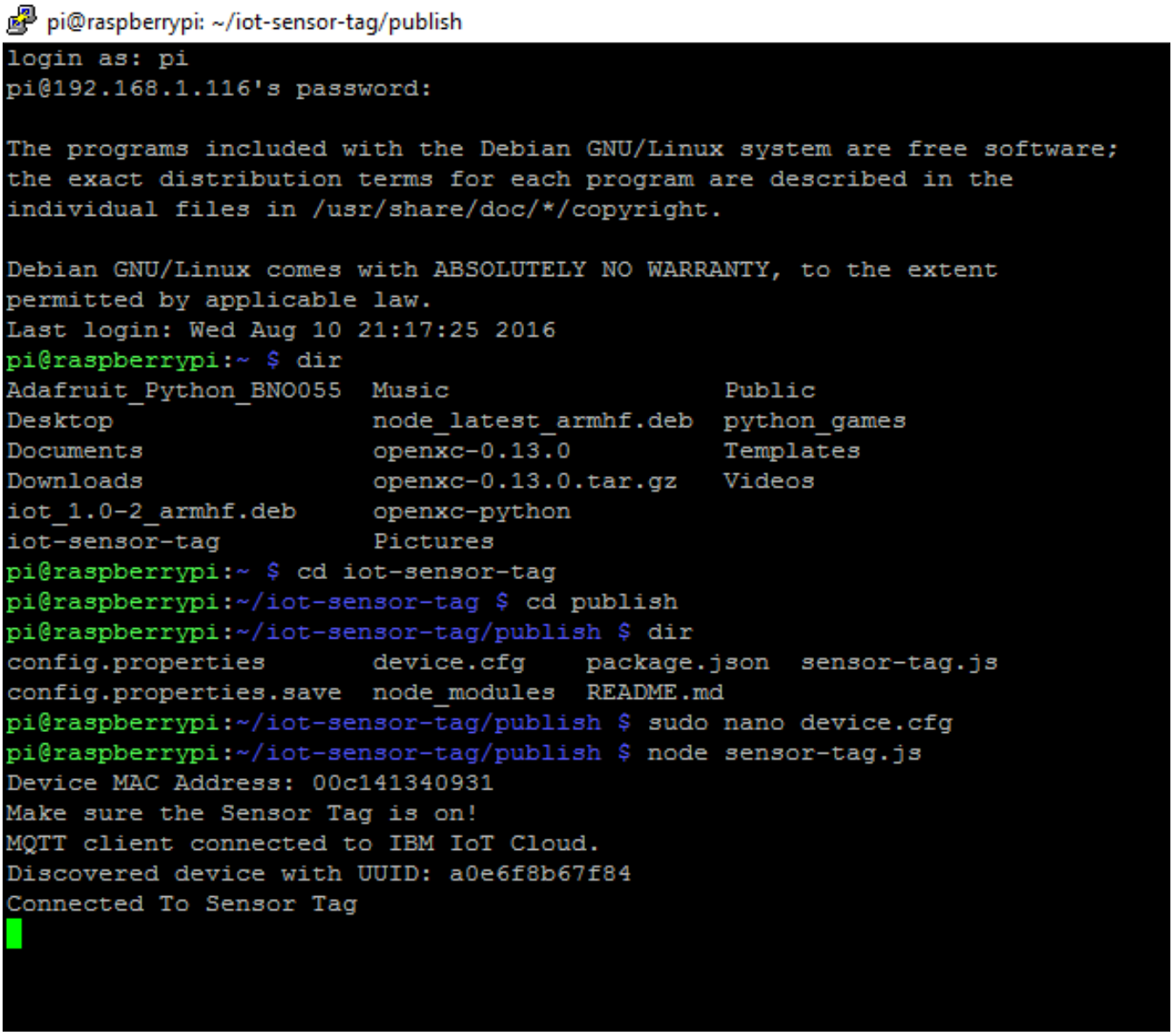


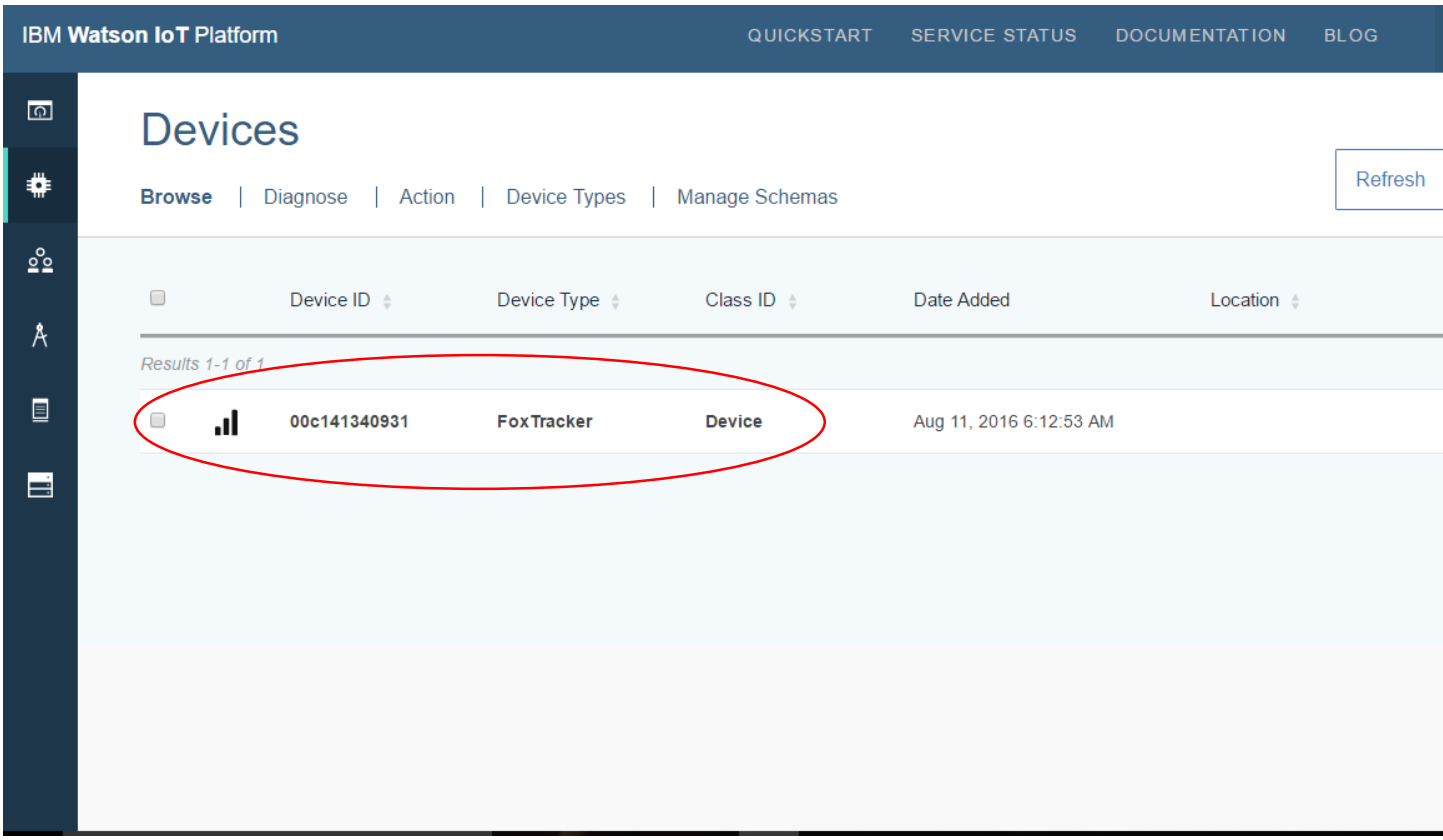
Step 8 Test the Connection in Putty and BlueMix:

Run this in the command line:

Node sensor-tag.js

Make sure your sensor tag is connected and you should see this in Putty.




IBM Watson IoT Platform
QUICKSTART
SERVICE STATUS
DOCUMENTATION
BLOG
Devices
Browse | Diagnose | Action | Device Types | Manage Schemas
Refresh
Device ID
Device Type
Class ID
Date Added
Location
Results 1-1 of 1
00c141340931
FoxTracker
Device
Aug 11, 2016 6:12:53 AM

Sensor Information

Event	Datapoint	Value
air	**d.myName**	**TI Sensor Tag**
air	**d.pressure**	**1015.64**
air	**d.humidity**	**89.9658203125**
air	**d.objTemp**	**18.53125**
air	**d.ambientTemp**	**25.34375**
air	**d.temp**	**25.42999267578125**
air	**d.lux**	**35.83**

Metadata

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