Javascript SDK on Beaglebone Board

1. Enter Cloud9 IDE

2. Put BeagleboneBlack folder into Cloud9 IDE
In cloud9 IDE, File ->Upload Local Files , you can upload the BeagleboneBlack folder to the workspace of the IDE.

3. Import dependendies(node-modules)
Enter the cloud9(192.168.7.2 :3000). In the bottom of the IDE, there is a bash-"beaglebone" window. Run:
npm install mqtt
Then, node-module folder will be automatically created.

4. Copy the certificates to the prodCerts
In prodCerts folder, there are three files but blank. Users should copy their certificates to the three files. The device_key.pem and device_identity.pem should be received in the console of the icebreaker. The VeriSign-Class 3-Public-Primary-Certification-Authority-G5.pem should be downloaded from the
https://www.symantec.com/page.jsp?id=roots
In the Root 3 block, click Download Root Now and copy the contens to the VeriSign-Class 3-Public-Primary-Certification-Authority-G5.pem in the prodCerts folder.

5. Run the examples
In IDE, open the example JS file and click run. See the results in the console. The easiest sample is the Helloworld.js. If it successfully connects to the icebreaker, it will show the following messages:
successfully publishes: Hello world
Connected to mqtts://g.us-east-1.pb.iot.amazonaws.com
successfully sending subscribe
Hello world