

## BBB – AWS demo

## 1. SD card boot up

- It boots up with 3.2.0.5 image

[illegible]

## 2. Reference Design document

- Reference Design document requires running “setup\_beaglebone.sh” but I couldn’t find the shell file on the BBB.
- Where can I find it?
- Does this 3.2.0.5 image support the feature?

### 3.1.2.2 Booting BeagleBone Black

Boot the BeagleBone Black from the micro SD card using the following steps:

1. Disconnect power and unplug the USB cable from the BeagleBone Black board.
2. Insert the micro SD card into the BeagleBone Black (see [Figure 6](#)).
3. Press and hold the boot switch (S2).
  - Important: The boot switch is detected only at initial power on.
4. Provide power to the BeagleBone Black (1.5 A, 5 V).
5. Wait a few seconds then release the boot switch. In about 5 to 15 seconds, the LEDs begin to blink.

#### 3.1.2.2.1 Configuring BeagleBone Black With Wireless Connectivity Cape (Wi-Fi® Optional)

A few extra steps must be taken after booting the BeagleBone Black for the first time to enable use of the element14 Wireless Connectivity Cape.

1. Clone the Sensor To Cloud repository to the BeagleBone Black
2. On the BeagleBone run the `setup_beaglebone.sh` script. This script will prompt for various setting and configure the BeagleBone with the correct pins upon reboot. After reboot the BeagleBone broadcasts a Wi-Fi network (SSID and password are configured using the `setup_beaglebone` script). This step requires an active internet connection in order to download and install the required Node.js dependencies.
3. For more information on configuring the Wireless Cape can be found at [Using the WL18xx Cape with BeagleBone Black](#).

**NOTE:** The first boot from a freshly-formatted SD card takes about one to two minutes longer. During this extended time, the BeagleBone Black Linux distribution performs some one-time-only steps.

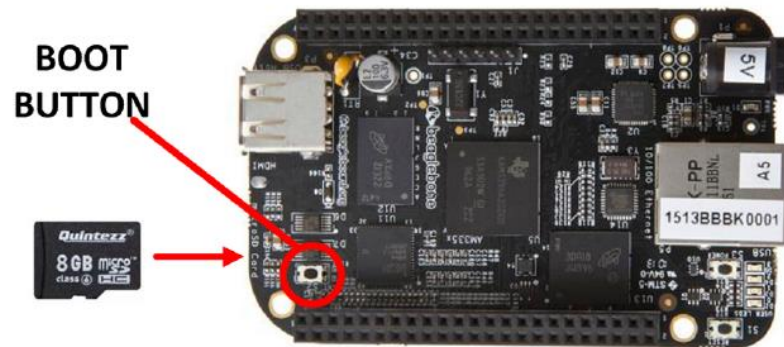


Figure 6. Boot BeagleBone Black From SD Card

```
COM7 - Tera Term VT
File Edit Setup Control Window KanjiCode Help
find -name "setup*"
./usr/share/OpenCV/titestsuite/setupEnv.sh
./usr/include/asm-generic/setup.h
./usr/include/asm/setup.h
./usr/lib/node_modules/npm/node_modules/node-gyp/gyp/setup.py
./usr/lib/python2.7/site-packages/numpy/setup.pyc
./usr/lib/python2.7/site-packages/numpy/f2py/setup.pyc
./usr/lib/python2.7/site-packages/numpy/f2py/setup.py
./usr/lib/python2.7/site-packages/numpy/compat/setup.pyc
./usr/lib/python2.7/site-packages/numpy/compat/setup.py
./usr/lib/python2.7/site-packages/numpy/core/setup_common.pyc
./usr/lib/python2.7/site-packages/numpy/core/setup.pyc
./usr/lib/python2.7/site-packages/numpy/core/setup_common.py
./usr/lib/python2.7/site-packages/numpy/core/setup.py
./usr/lib/python2.7/site-packages/numpy/fft/setup.pyc
./usr/lib/python2.7/site-packages/numpy/fft/setup.py
./usr/lib/python2.7/site-packages/numpy/polynomial/setup.pyc
./usr/lib/python2.7/site-packages/numpy/polynomial/setup.py
./usr/lib/python2.7/site-packages/numpy/matrixlib/setup.pyc
./usr/lib/python2.7/site-packages/numpy/matrixlib/setup.py
./usr/lib/python2.7/site-packages/numpy/testing/setup.pyc
./usr/lib/python2.7/site-packages/numpy/testing/setup.py
./usr/lib/python2.7/site-packages/numpy/lib/setup.pyc
./usr/lib/python2.7/site-packages/numpy/lib/setup.py
./usr/lib/python2.7/site-packages/numpy/distutils/setup.pyc
./usr/lib/python2.7/site-packages/numpy/distutils/tests/swig_ext/setup.py
./usr/lib/python2.7/site-packages/numpy/distutils/tests/pyrex_ext/setup.py
./usr/lib/python2.7/site-packages/numpy/distutils/tests/f2py_f90_ext/setup.py
./usr/lib/python2.7/site-packages/numpy/distutils/tests/setup.py
./usr/lib/python2.7/site-packages/numpy/distutils/tests/gen_ext/setup.py
./usr/lib/python2.7/site-packages/numpy/distutils/tests/f2py_ext/setup.py
./usr/lib/python2.7/site-packages/numpy/distutils/setup.py
./usr/lib/python2.7/site-packages/numpy/setup.py
./usr/lib/python2.7/site-packages/numpy/linalg/setup.pyc
./usr/lib/python2.7/site-packages/numpy/linalg/setup.py
./usr/lib/python2.7/site-packages/numpy/random/setup.pyc
./usr/lib/python2.7/site-packages/numpy/random/setup.py
./usr/lib/python2.7/site-packages/numpy/ma/setup.pyc
./usr/lib/python2.7/site-packages/numpy/ma/setup.py
./usr/lib/python2.7/site-packages/setuptools.pth
./usr/lib/python2.7/site-packages/setuptools-19.4-py2.7.egg
./usr/lib/python2.7/distutils/tests/setuptools_build_ext.pyc
./usr/lib/python2.7/distutils/tests/setuptools_extension.py
./usr/lib/python2.7/distutils/tests/setuptools_build_ext.py
./usr/lib/python2.7/distutils/tests/setuptools_extension.pyc
./usr/lib/python2.7/ensurepip/_bundled/setuptools-18.2-py2.py3-none-any.whl
```