Installation Process of Tornado SDK

Prerequisites

- Java 8 with JVMCI Support; we created the following prebuilt versions:
- For Linux x64_64
- For OSX
- OpenCL >= 1.2

Configuration

1. Obtain the Tornado SDK for: * For Linux x64_64 * For OSX

2. Set up the Tornado working directory:

```
$ mkdir <your_work_dir>
$ cd <your_work_dir>
$ cp tornado-sdk-<linux|osx>.tar.gz <your_work_dir>
$ tar xvzf tornado-sdk-<linux|osx>.tar.gz
$ cd tornado-sdk-0.0.2-SNAPSHOT-*
```

3. We need to set the following 3 env variables (JAVA_HOME, PATH, TORNADO_SDK):

1. Set `JAVA_HOME` to JDK

```
export JAVA_HOME=path/to/jdk1.8.0_131
```

2. Set a new `PATH` and `TORNADO_SDK`

```
export PATH=<workdir>/tornado-sdk-0.0.2-SNAPSHOT-<ID>/bin/:$PATH
export TORNADO_SDK=<workdir>/tornado-sdk-0.0.2-SNAPSHOT-<ID>
```

Note, the ID is the git-version in Tornado.

and done!

Check Installation

```
$ tornado
Usage: java [-options] class [args...]
           (to execute a class)
   or  java [-options] -jar jarfile [args...]
           (to execute a jar file)
where options include:
    -d32      use a 32-bit data model if available
    -d64      use a 64-bit data model if available
```

```
    -server   to select the "server" VM
    -original     to select the "original" VM
                  The default VM is server,
                  because you are running on a server-class machine.


    -cp <class search path of directories and zip/jar files>

...
```

Testing

Tornado provides a sets of unittests. You can run them using as follows:

```
tornado-test.py -V
```

Note: Not all of them are currently passing; expect around 4 or 5 to fail.