Getting Started

Getting the Source

```bash
hg clone http://hg.openjdk.java.net/dio/dev
```

Build Instructions

Current Build Platforms

The Device I/O Project currently supports cross-compiling on Linux x86 platforms for the Raspberry Pi (armhf).

Build Tools

- gcc-linaro-arm-linux-gnueabihf-raspbian
- JDK 8

Build Steps

```bash
hg clone http://hg.openjdk.java.net/dio/dev
cd dev
export PI_TOOLS=<path to raspberry pi toolchain>
export JAVA_HOME=<path to JDK8>
made
```

The artifacts for the build should be build/so/libdio.so and build/jar/dio.jar.

Running the GPIOLEDSample Application

```bash
sudo java -Djava.security.policy=./java.policy -classpath ./dio.jar:dio-samples.jar -Djava.library.path=./dio.dio.registry=./dio.properties dio.gpio.GPIOLEDSample
```

Note the use of "sudo." This is so that the java process has the proper permissions to access the GPIO device.