

Interactive workloads for MSM8660 users

Install Angry Birds, Neocore and Amazon App store on the device

You may skip this part if the apps are already installed.

- Using the browser app, navigate to <http://cseweb.ucsd.edu/classes/wi15/cse237A-a/project/proj2/msm8660>
- Click angry_birds.apk, amazon.apk, Neocore.apk to download
- From Ubuntu:
 - \$ adb shell pm install /sdcard/Download/angry_birds.apk
 - \$ adb shell pm install /sdcard/Download/amazon.apk
 - \$ adb shell pm install /sdcard/Download/Neocore.apk
- The command output should end with a line "Success"

Set up interactive replay workloads

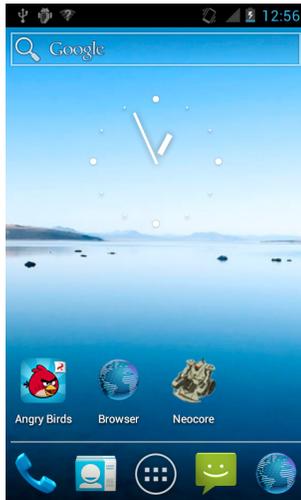
```
$ curl -O http://cseweb.ucsd.edu/classes/wi15/cse237A-a/project/proj2/event_replay
$ curl -O http://cseweb.ucsd.edu/classes/wi15/cse237A-a/project/proj2/event_select
$ curl -O http://cseweb.ucsd.edu/classes/wi15/cse237A-a/project/proj2/msm8660/event_1
$ curl -O http://cseweb.ucsd.edu/classes/wi15/cse237A-a/project/proj2/msm8660/event_2
$ curl -O http://cseweb.ucsd.edu/classes/wi15/cse237A-a/project/proj2/msm8660/event_3
$ curl -O http://cseweb.ucsd.edu/classes/wi15/cse237A-a/project/proj2/msm8660/event_4
$ chmod 755 event_select
$ adb push event_replay /data/local/.
$ adb shell chmod 755 /data/local/event_replay
```

event_replay is a binary that replays a series of recorded user interactions with the phone.
event_select is a wrapper that pushes one of the recorded workloads onto the target and calls event_replay through adb shell for you.

Set up initial state

Since the recorded events do not actually save the processor state, you must manually set the initial state before running `event_select`:

- Turn on WiFi and connect to the internet
- Arrange Angry Birds, Browser, and Neocore icons in these positions on homescreen



- Play through the first 2 levels of Angry Birds. Return to the splash page and exit.



- Make sure the Browser app opens to a clean tab.

Run recorded interactive workloads

Run recorded workloads from the host machine

```
$ ./event_select 1
```

Repeat for events 2, 3, 4, 5. Return to the homescreen before running each one.

This is what each event is expected to do (re-run if the websites fail to load; sometimes the user input recording will miss the mark for one reason or another)

Event 1: Play Angry Birds level 1-2

Event 2: Browse <http://purch.com/advertise>

Event 3: Browse <http://anandtech.com/home/about>

Event 4: Browse <http://m.imgur.com/a/4kfnz>

Event 5: Run Neocore benchmark