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## Running emulator after building Android from source



I am able to pull down the latest android source code into a Ubuntu virtual machine 32-bit (Host: Windows 7 64-bit). The build completes without any errors.

Then I tried to follow [these instructions](#), where it mentions that I should run the emulator on the root of my source code. However, when I tried that, I get an error stating that this command is not found.

So I went to the folder `out/host/linux-x86/bin` and I found out that there are couple files for `emulator*` :

- `emulator`
- `emulator-arm`
- `emulator_renderer`
- `emulator-ui`
- `emulator-x86`

When I typed the `emulator` and `emulator-x86` here, it also doesn't work. Here is the error I'm getting:

```
xxxx/out/host/linux-x86/bin$ ./emulator-x86
emulator: ERROR: You did not specify a virtual device name, and the system
directory could not be found.

If you are an Android SDK user, please use '@<name>' or '-avd <name>'
to start a given virtual device (see -help-avd for details).

Otherwise, follow the instructions in -help-disk-images to start the emulator
```

So when I run `./emulator-x86 -help-disk-images` , I see the following:

```
If you are building from the Android build system, you should
have ANDROID_PRODUCT_OUT defined in your environment, and the
emulator shall be able to pick-up the right image files automatically.
See -help-build-images for more details.
```

I built this myself, so I would think that `ANDROID_PRODUCT_OUT` is set in my environment variables, but I don't see it. So I think that I should run some other shell script to get that set.

I looked at the `img` files, I saw couple at the location `out/target/product/generic` :

- `ramdisk.img`
- `system.img`
- `userdata.img`

Could anyone shed some light on this and assist me on what I should do next? I am new to Android and I did some research on this but I couldn't find any similar issues.

android   android-emulator   linux-kernel

edited Nov 7 '12 at 9:17

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asked Jan 26 '12 at 17:46

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Possible duplicate of [Android kernel compile and test with Android Emulator](#)  
– [Ciro Santilli](#) 刘晓波死 六四事件 法轮功 Mar 4 at 12:24

### 9 Answers