

Android

A case study of an Embedded Linux Project

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<http://github.com/gregkh/android-presentation>

Disclaimer

Everything I say here is my opinion alone and not the opinion of my employer Novell. Heck, they don't even realize I'm here giving this talk.

Everything said here is from the viewpoint of an experienced member of the Linux kernel community, who also happens to have a lot of experience in the embedded arena as well.

If you have any questions / concerns / flames, you know where to find me.

**Focus on the kernel only.
Who cares about userspace?**

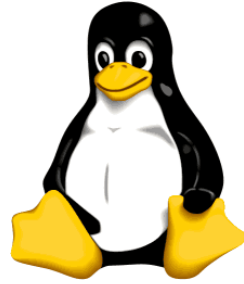


I



Things Google did right

Linux



`android.git.kernel.org`

Followed the license of the kernel

Things Google did wrong

`android.git.kernel.org`

Ignored the community

Reinvented the wheel

Thought they were special

android.git.kernel.org

android.git.kernel.org

6 different full kernel trees

android.git.kernel.org

33 different kernel branches

android.git.kernel.org

33 different kernel branches

2.6.25 – 4 branches

2.6.27 – 3 branches

2.6.29 – 9 branches

2.6.30 – 1 branch

2.6.32 – 7 branches

2.6.33 – 6 branches

2.6.34 – 3 branches

android.git.kernel.org

1 old stale Linus tree

android.git.kernel.org

2 known stand-alone drivers

android.git.kernel.org

2 known stand-alone drivers

One has 13 different branches

2.6.34-rc2 based branch

283 files changed

47,715 lines added

363 lines removed

2.6.34-rc2 based branch

50% drivers

30% filesystem

15% architecture

5% core

Hide the source in pub



You are special and unique, just like everyone else.



Image courtesy of snowcrystals.com

