

UI Developer Community Presentation

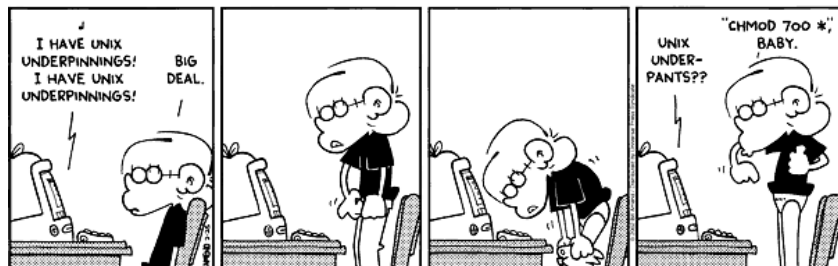
David Thole

2011-10-31 Monday

Outline

- 1 Introduction
- 2 Organization of Linux
- 3 Live-coding demonstration
- 4 Conclusion

Comic



What we'll cover

- Main differences between Linux/Unix - why use linux?
- Different distributions - why care?
- Setting up “linux like” setups in non-linux environments
- Core Architecture of Linux
- Interfacing with, and use of the GNU tools (focus of the presentation!)

Variations of Linux and GNU Tools

- Variations of linux include. . .
 - ▶ CentOS/Redhat/Fedora/etc - *RPM Based, derived off Redhat*
 - ▶ Arch Linux/Gentoo - *Minimalist oriented, fantastic package management options*
 - ▶ Ubuntu/Suse - *More mainline, what people recognize, good package management*
 - ▶ Variants of “linux like” setups not on Linux
 - ★ Macports/Fink/homebrew - OSX
 - ★ cygwin - Windows (maybe others?)
 - ▶ Other options
 - ★ Virtual machines

Binary locations

- /usr/bin vs /usr/local/bin vs /sbin
- /opt/local/bin vs (the above)
- Cygwin has their own special thing going on

Interfacing with these tools

- Within Linux
 - ▶ xterm, gnome-terminal, etc, etc, etc, etc...
- Within OSX
 - ▶ Terminal.app (ugh...), iTerm.app (mega awesome!)
- Within Windows
 - ▶ Cygwin has their own special thing (*)

Live-coding demonstration

- Coding Demo (Problems 1-5)

Conclusion

- Code on Github:
 - ▶ <https://github.com/TheDarkTrumpet/appdev-presentation-oct-2011>
- Follow me on Twitter!:
 - ▶ <http://twitter.com/thedarktrumpet>
- Web Site:
 - ▶ <http://www.thedarktrumpet.com>
- Questions?