

Outline for Linux Presentation #1

Introduction

- Show of hands, who here has never used Linux?
 - Tell me what you think Linux is?
 - Linux is a kernel. GNU/Linux is userland + kernel = OS
- Show of hands, who has a Linux install on one of their machines? - virtual machines excluded
 - Which distro(s)? Debian-based? Fedora/Redhat-based? ArchLinux? Gentoo? others?
 - BSD is not GNU/Linux
- Show of hands, who **only** uses Linux?
 - So the rest of you use Windows?
 - OSX? other?

Top 30 FOSS software:

Mozilla Firefox Chromium Linux kernel FreeBSD kernel gcc/g++				
GIMP	Inkscape	Blender	LibreOffice	LaTeX
GRUB	MPlayer	VLC	GParted	CUPS
GNOME	KDE	coreutils	vim	git
Apache webserver MySQL/MariaDB PHP JQuery webkit				
QEMU openJDK Eclipse Python Perl				

On-topic

- Explain the components that make up a GNU/Linux distro
- Pros and cons of common distros
- How to pick one for you - bring I-ODD

Shiny

- ASCII: asciiquarium, cmatrix, s1, mplayer -vo caca/fbdev2, toilet
- ncurses: jb-install, greed, nano, tmux, wavemon,
- DE: compiz, i3
- Photoframe
- video of WMs

Ask “volunteers” to come up to run a command

- CLI editor ctrl-x + e
- screen
- *middle click paste*
- LaTeX
- sshfs
- forkbomb and magic sysrq
- chroot and systemd-nspawn
- gcc vs ./configure and make
- mkdir -p, tab completion, alt+., {}
- symlinks
- awk (columns), sed (rows; regex)
- terminals: mate-terminal, terminator, tilda, cool retro term, VTs

Other

- GPU drivers
- Games

- commandline-fu
- linuxcsuf OVA images
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