

Lab: Introduction to Linux Principles Open Source Security Tools for Information Technology Professionals

School of Professional Studies (SPS)

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Distributions

- Alternatives
- Packaging
- Live CD
- Debian
- Red Hat
- Novell SUSE

Shell Basics

- Command — `command (-options) (-full-options) (parameters)`
- Help — `man, man -k`
- Redirection
- Filesystem

Filesystem Basics

- Devices vs. filesystem tree
- Hierarchies — Shareable vs. Non-Shareable, Static vs. Variable
- Pathnames
- Shortcuts — ~ . . .
- Command completion
- Hidden Files
- Metacharacters

Filesystem Commands

- Navigation — `cd`
- Display — `pwd ls`
- Creation — `touch mkdir`
- Manipulation — `cp mv rm rmdir mc`
- Find — `locate grep find`

Filesystem Permissions

- Users and Groups
- RWX
- ACL

Permission Commands

- chown chgrp
- chmod
- umask

Editing

- mcedit
- vi

Root

- su
- sudo

Tour of the GUI