

AERSP 497B/597E Presentation
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Introduction to Unix & Linux

Part 2

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Overview

- Linux Installation Demo
- Linux Commands Tutorial
 - ◆ Primarily sed, awk, grep
- Networking in Linux
- Essential System Administration (if time permits)

Linux Commands Tutorial

- *ls*: file listing.
- *ln, cat, echo*
- *head, tail, uniq, sort*: viewing/ordering files
- *mkdir, rmdir*: create directories
- *chmod, chown*
- *find*: to find files
- *grep/egrep*: file filter
- *sed*: stream editor
- *awk*: programming/scripting language
- *vi/vim*: editor
- etc.

Linux Commands: ls & ln

- *ls*: file listing.
 - ◆ Listing in Color (specific to GNU ls): `ls -color`
 - ◆ Sorting:
 - ★ By date: `ls -lt`
 - Reverse: `ls -ltr`
 - ★ By size: `ls -lS` or `ls -lSr`
- *ln*: link files (like Windows shortcut)
 - ◆ Hard link: `ln sourcefile targetfile`
 - ◆ Soft link: `ln -s sourcefile targetfile`

Tutorial

- *Rest of the matter is covered in the live tutorial using a shell prompt under linux.*