



Overview

Week 1

Week 2

Week 3

Week 4

Week 5

Grades

Discussion Forums



Congratulations! You've completed the course.
 [View Final Grade](#)

THIS WEEK'S FORUM

Week 2

Discuss this week's modules here.

4 threads · Last post a month ago

Go to forum

STARTING TO WORK IN LINUX



Jerry Cooperstein



Learning Objectives

List the main text editors available on virtually any Linux-based system, concentrating on vi, emcas, nano and gedit

Understand how to use vi and emacs editors and how to create files with just cat and echo and no editor

Discuss how the operating system employs command shells, the choices available, and how bash is initialized

Explain the use of aliases, manipulate and use environment variables, and customize the command line prompt

Discuss special characters, and understand how to use them, as well as to override their special meaning

Use redirection for input, output, and error messages, and use command substitution to feed the output of one program to another

Employ pipes to let connected programs run in parallel efficiently for better utilization of system resources

Discuss the main directory structures used in Linux and their purposes

Describe how partitions are used and how to construct, format, and manipulate them, and how to establish good partitioning schemes

^ Less

Text Editors



Video: Module 2 Overview
 1 min

Resume



Video: Introduction to Text Editors
 2 min



Reading: echo and cat
 5 min



Video: vi Editor
 1 min



Reading: vi Commands
 15 min



Video: emacs Editor
 1 min



Reading: emacs Commands
 15 min



Reading: vi and emacs Tutorials (Lab)
 40 min



Quiz: Text Editors
 5 questions

Shells, Bash, and the Command Line



Reading: Shells
 10 min



Video: The Development of Shells
 3 min



Reading: Shell Initialization
 10 min



Reading: Aliases
 3 min



Reading: Environment Variables
 6 min



Reading: Customizing the Command Line Prompt
 7 min



Reading: Special Characters
 10 min



Reading: Redirection
 10 min



Reading: Pipes
 5 min



Reading: Command Substitution and Expressions
 5 min



Reading: Customizing the Prompt (Lab)
 30 min



Reading: Redirection and Pipes (Lab)
 30 min



Quiz: Shells, Bash, and the Command Line
 5 questions

Filesystem Layout, Partitions, Paths, and Links



Video: Introduction to Filesystems
 1 min



Reading: Filesystem Layout
 10 min



Reading: Partitions
 15 min



Video: Using fdisk (Demo)
 5 min



Video: Partitioning Considerations
 2 min



Reading: Paths
 10 min



Reading: Hard and Soft (Symbolic) Links
 12 min



Reading: Adding to the Path (Lab)
 15 min



Quiz: Filesystem Layout, Partitions, Paths, and Links
 5 questions