



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 5

Discuss this week's modules here.

1 threads · Last post 5 months ago

Go to forum

System Administration and User Management



Jerry Cooperstein



Learning Objectives

Describe the available methods and choices for installing a Linux distribution.

Define the role of packaging systems and know the main commands for installation, removal, updating and upgrading components and entire systems.

Discuss the function of user home directories and know where they are located.

Find the various logging files that monitor and record system activity.

Explain the relationships of users and groups on UNIX-like operating systems.

Add, remove, and modify the properties of user accounts.

Add, remove, and modify the group properties of user accounts.

Examine and set the read/write/execute access rights of files, respecting ownership and group membership.

Explain the role of the root account and the use of both su and sudo.

Less

System Administration



Video: Module 5 Overview 2 min

Resume



Video: System Installation 6 min



Video: Using Graphical Package Management (Demo) 3 min



Video: Using Yast (Demo) 3 min



Reading: Software Management and Packaging 10 min



Video: Using rpm (Demo) 4 min



Video: Using dpkg (Demo) 2 min



Video: Using yum and dnf (Demo) 8 min



Reading: Upgrading and Patching 10 min



Reading: User Directories, Environments, etc. 6 min



Reading: Logging Files 10 min



Reading: Installing a New Repository on a Red Hat and CentOS (Lab) 20 min



Quiz: System Administration 5 questions

Users and Groups



Video: Basics of Users and Groups 4 min



Reading: Adding and Removing Users and Groups 15 min



Video: Creating, Modifying, and Removing User Accounts (Demo) 3 min



Reading: Files, Users, and Permissions 5 min



Reading: root (super) user, su and sudo 10 min



Reading: Working with User Accounts (Lab) 40 min



Quiz: Users and Groups 5 questions