THE LINUX FOUNDATION

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 4

Discuss this week's modules here.

threads

[Go to forum]

Command Details

Jerry Cooperstein

⬤ ?

Learning Objectives

Delineate the important commands and utilities present on Linux systems

Use the main command line utilities for monitoring system performance, memory usage, and I/O and network activity

Use gnome-system monitor and ksysguard for graphical performance monitoring

Discuss the role of kernel modules and how to load and unload them dynamically

Discuss how udev works to handle changes in system hardware and load device drivers at runtime

Use systemctl to start and stop services and enable or disable their launch at boot

⌃ Less

System Monitoring

▶ **Video:** Module 4 Overview   2 min   [Resume]

📖 **Reading:** Basic Commands and Utilities   10 min

▶ **Video:** File Transfer Tools   2 min

📖 **Reading:** Monitoring and Performance Utilities   10 min

▶ **Video:** Graphical Monitoring Tools   2 min

▶ **Video:** Using System Monitoring (Demo)   2 min

📖 **Reading:** Installing and Running ksysguard (Lab)   30 min

✓ **Quiz:** System Monitoring   5 questions

Kernel Modules and Device Management

📖 **Reading:** Loading/Unloading Kernel Modules   15 min

▶ **Video:** Using Kernel Modules (Demo)   4 min

▶ **Video:** Device Management   5 min

▶ **Video:** Using udev (Demo)   2 min

📖 **Reading:** Managing System Services   15 min

▶ **Video:** Using systemctl (Demo)   4 min

📖 **Reading:** Using stress (Lab)   20 min

✓ **Quiz:** Kernel Modules and Device Management   5 questions