



Essentials of Red Hat Linux 5

Five Days

Course Description: This course explores the shell environment, the use and management of the Linux file system, and the basic aspects of Linux system administration.

Audience: This course is for students with little or no experience in Linux. It also targets IT professionals or users who want to build user-level Linux skills and/or build base line skills in Linux Administration.

Prerequisites: Basic user-level computer skills with any computer or operating system.

Course Content:

Lesson 1: Introducing the History of Linux

Topic 1A: Review the Development of Open Source

Topic 1B: Familiarize Yourself with Red Hat Linux

Lesson 2: Familiarizing Yourself with the Linux Interface

Topic 2A: Log into Your System

Topic 2B: Use Basic Commands

Topic 2C: Work with the X Server

Topic 2D: Switch Users

Lesson 3: Getting Started with Using Linux

Topic 3A: View Text Files Using Text Editors

Topic 3B: Get Help Using Linux

Lesson 4: Working with Files and Directories

Topic 4A: Navigate the Linux File System

Topic 4B: Organize the File system

Topic 4C: View Text Files

Lesson 5: Working with Linux Permissions

Topic 5A: View User and Group Information

Topic 5B: Modify File and Directory Permissions

Topic 5C: Modify File and Directory Ownership

Lesson 6: Editing Text Files Using Vim

Topic 6A: Create Text Files Using Vim

Topic 6B: Modify Text Files in the Command Mode

Lesson 7: Locating Files

Topic 7A: Search for Files

Topic 7B: Use the find Command

Lesson 8: Working with the Bash Shell

Topic 8A: Discuss the Bash Shell

Topic 8B: Perform Basic Bash Shell Operations

Topic 8C: Introduction to Shell Scripting

Lesson 9: Configuring the Bash Shell

Topic 9A: Use Shell Variables

Topic 9B: Use Configuration Variables

Lesson 10: Using Basic Scripting Concepts

Topic 10A: Redirect Input and Output

Topic 10B: Use Control Statements

Lesson 11: Working with Text Processing Utilities

Topic 11A: Filter Files

Topic 11B: Work with File Content

Lesson 12: Configuring Basic System Tools

Topic 12A: Configure a System Printer

Topic 12B: Configure Date and Time

Lesson 13: Managing Jobs and Processes

Topic 13A: Discuss Multitasking

Topic 13B: List Processes



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Topic 13C: Prioritize Jobs and Processes
Topic 13D: Terminate Processes

Lesson 14: Working with Network Clients

Topic 14A: Examine Basic Network Settings
Topic 14B: Work with Web Clients
Topic 14C: Work with Email and Messaging Clients

Lesson 15: Managing Users, Groups, and Permissions

Topic 15A: Manage User Accounts
Topic 15B: Configure User Profiles
Topic 15C: Manage Groups
Topic 15D: Set Advanced Permissions

Lesson 16: Performing File Management

Topic 16A: Familiarize Yourself with Disk Partitions
Topic 16B: Work with Inodes and Links
Topic 16C: Archive Files
Topic 16D: Work with Removable Media

Appendix A: Introducing Basic System Administration Tools

Appendix B: Essentials of Red Hat Linux 5 Objective Mapping for Exam Red Hat Linux Essentials (RH033)

Appendix C: Essentials of Red Hat Linux 5 Objective Mapping for Exam RH202