

**Lesson 1: Performing Basic Linux Tasks**

Topic A: Identify the History and Development of Linux
Topic C: Get Help Using Linux

Topic B: Enter Shell Commands
Topic D: Start and Stop Linux

Lesson 2: Managing User and Group Accounts

Topic A: Create User and Group Accounts
Topic C: Administer User and Group Accounts

Topic B: Configure User Profiles

Lesson 3: Managing Partitions and the Linux Filesystem

Topic A: Create Partitions
Topic C: Manage the Filesystem

Topic B: Navigate Through the Linux Filesystem
Topic D: Maintain the Filesystem

Lesson 4: Managing Files in Linux

Topic A: Create and Edit Text Files
Topic C: Search Text Using Regular Expressions
Topic E: Link Files
Topic G: Manage Databases Using MariaDB

Topic B: Locate Files
Topic D: Apply Filters to Text Streams
Topic F: Back Up and Restore Files

Lesson 5: Managing Linux Permissions and Ownership

Topic A: Modify File and Directory Permissions
Topic C: Modify File and Directory Ownership

Topic B: Modify Default Permissions
Topic D: Set Special Permissions and Attributes

Lesson 6: Printing Files

Topic A: Configure a Local Printer

Topic B: Print Files

Lesson 7: Managing Packages

Topic A: Manage Packages Using RPM
Topic C: Upgrade Packages
Topic E: Manage Packages Using YUM

Topic B: Verify Packages
Topic D: Configure Repositories
Topic F: Advanced Package and Application Management

Lesson 8: Managing Kernel Services

Topic A: Explore the Linux Kernel
Topic C: Create an initrd Image

Topic B: Customize Kernel Modules
Topic D: Monitor Processes

Lesson 9: Working with the Bash Shell and Shell Scripts

Topic A: Perform Basic Bash Shell Operations
Topic C: Customize the Bash Shell
Topic E: Use Control Statements in Shell Scripts

Topic B: Write a Bash Shell Script
Topic D: Redirect Standard Input and Output



Lesson 10: Managing Jobs and Processes

Topic A: Manage Jobs and Background Processes

Topic B: Manage Processes Using the Process Table

Topic D: Schedule Jobs

Topic C: Delay and Detach Jobs

Topic E: Maintain the System Time

Lesson 11: Managing System Services

Topic A: Configure System Services

Topic C: Configure Security-Enhanced Linux (SELinux)

Topic B: Monitor System Logs

Lesson 12: Configuring Network Services

Topic A: Connect to a Network

Topic C: Configure Client Network Services

Topic B: Configure Routes

Lesson 13: Configuring Basic Internet Services

Topic A: Configure Email Services

Topic B: Control Internet Services

Lesson 14: Securing Linux

Topic A: Implement Basic System Security

Topic B: Secure User Accounts

Lesson 15: Managing Hardware

Topic A: Identify Common Hardware Components and Resources

Topic B: Configure Removable Hardware

Topic C: Configure Disk

Lesson 16: Troubleshooting Linux Systems

Topic A: Troubleshoot System-Based Issues

Topic B: Troubleshoot Hardware Issues

Topic C: Troubleshoot Network Connection and Security Issues

Lesson 17: Installing Linux

Topic A: Prepare for Installation

Topic B: The Linux Boot Process

Topic C: Configure GRUB

Topic D: Install the Operating System

Lesson 18: Configuring the GUI

Topic A: Implement X

Topic B: Customize the Display Manager