



RH124: Red Hat System Administration – I

Unit 1: Get Started with the GNOME Graphical Desktop

Objective: Get started with GNOME and edit text files with gedit

Unit 2: Manage Files Graphically with Nautilus

- Objective: Manage files graphically and access remote systems with Nautilus

Unit 3: Get Help in a Graphical Environment

- Objective: Access documentation, both locally and online

Unit 4: Configure Local Services

- Objective: Configure the date and time and configure a printer

Unit 5: Manage Physical Storage I

- Objective: Understand basic disk concepts and manage system disks

Unit 6: Manage Logical Volumes

- Objective: Understand logical volume concepts and manage logical volumes

Unit 7: Monitor System Resources

- Objective: Manage CPU, memory, and disk utilization

Unit 8: Manage System Software

- Objective: Manage system software locally and using Red Hat Network (RHN)

Unit 9: Get Started with Bash

- Objective: Understand basic shell concepts, execute simple commands, and use basic job control techniques

Unit 10: Get Help in a Textual Environment

- Objective: Use man and info pages and find documentation in /usr/share/doc

Unit 11: Establish Network Connectivity

- Objective: Understand basic network concepts; configure, manage, and test network settings

Unit 12: Administer Users and Groups

- Objective: Manage users and groups

Unit 13: Manage Files from the Command Line

- Objective: Understand Linux filesystem hierarchy and pathnames; manage files from the command line

Unit 14: Secure Linux File Access

- Objective: Understand Linux file access mechanisms; manage file access from the GUI and the command line

Unit 15: Administer Remote Systems

- Objective: Share and connect to a desktop; use SSH and rsync

Unit 16: Configure General Services

- Objective: Manage services; configure SSH and remote desktops



Unit 17: Manage Physical Storage II

- Objective: Manage filesystem attributes and swap space

Unit 18: Install Linux Graphically

- Objective: Install Red Hat Enterprise Linux and configure the system with firstboot

RH134: Red Hat System Administration – II

Unit 1: Accessing the Command Line

Objectives: Access the command line locally and remotely; gain administrative privileges from the command line

Unit 2: Intermediate Command Line Tools

Objectives: Use hardlinks, archives and compression, and vim

Unit 3: Regular Expressions, Pipelines, and I/O Redirection

Objectives: Use regular expressions to search patterns in files and output; redirect and pipe output

Unit 4: Network Configuration and Troubleshooting

Objectives: Configure network settings; troubleshoot network issues

Unit 5: Managing Simple Partitions and Filesystems

Objectives: Create and format simple partitions, swap partitions, and encrypted partitions

Unit 6: Managing Flexible Storage with the Logical Volume Manager (LVM)

- Objectives: Implement LVM and LVM snapshots

Unit 7: Access Network File Sharing Services; NFS

- Objectives: Implement NFS and autofs

Unit 8: Managing User Accounts

- Objectives: Manage user accounts including password aging

Unit 9 Network User Accounts with LDAP

- Objectives: Connect to a central LDAP directory service

Unit 10: Controlling Access to Files

- Objectives: Manage group memberships, file permissions, and access control lists (ACL)

Unit 11: Managing SELinux

- Objectives: Activate and deactivate SELinux; set file contexts; manage SELinux booleans; analyze SELinux logs

Unit 12: Installing and Managing Software

- Objectives: Manage software and query information with yum; configure client-side yum repository files

Unit 13: Managing Installed Services

- Objectives: Managing services; verify connectivity to a service



Unit 14: Analyzing and Storing Logs

- Objectives: Managing logs with rsyslog and logrotate

Unit 15: Managing Processes

- Objectives: Identify and terminate processes, change the priority of a process, and use cron and at to schedule processes

RH254: Red Hat System Administration – III

Unit 1: Getting Started with the Classroom Environment

- Objective: Given a virtualized environment, begin to administrate multiple systems using prerequisite skills

Unit 2: Bash Scripting and Tools

- Objective: Automate system administration tasks utilizing Bash scripts and text-based tools

Unit 3: File Security with GnuPG

- Objective: Secure files with GnuPG
- Unit 5: Software Management
- Objective: Use yum plugins to manage packages; understand the design of packages; build a simple package

Unit 4: Network Monitoring

- Objective: Profile running services, then capture and analyze network traffic

Unit 5: NTP Server Configuration

- Objective: Configure an NTP server

Unit 6: Filesystems and Logs

- Objective: Manage local filesystem integrity; monitor systems over time and system logging

Unit 7: Centralized and Secure Storage

- Objective: Access centralized storage (iSCSI) and encrypt filesystems

Unit 8: Web Server Additional Configuration

- Objective: Configure a web server with virtual hosts, dynamic content, and authenticated directories

Unit 9: File Sharing with NFS

- Objective: Configure file sharing between hosts with NFS

Unit 10: File Sharing with FTP

- Objective: Configure file sharing with anonymous FTP

Unit 11: Troubleshooting Boot Process

- Objective: Understand the boot process and recover unbootable systems with rescue mode

Unit 12: DNS & DHCP

- Objective: Basics