

Redhat Linux(RHEL)

Module 1:

RH124 Red Hat System Administration I

Pre-Requisites

- Previous operating system administration experience is helpful but not required
- Target Audience
- Microsoft Windows system administrators who need to quickly learn core Red Hat Enterprise Linux proficiencies
- System administrators, network administrators, and other IT professionals who require proficiency performing core tasks in Linux
- Non-Linux IT professionals on the path to becoming full-time Linux IT professionals

Course Outline

- 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
- Unit 19: Manage Virtual Machines
 - Objective: Understand basic virtualization concepts; install and manage virtual machines
- Unit 20: Control the Boot Process
 - Objective: Understand runlevels and manage GRUB
- Unit 21: Deploy File Sharing Services
 - Objective: Deploy an FTP server and a web server
- Unit 22: Secure Network Services
 - Objective: Manage a firewall; understand SELinux concepts and manage SELinux
- Unit 23: Comprehensive Review
 - Objective: Get a hands-on review of the concepts covered in this course