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Learning Style: Virtual Classroom

Technology: Red Hat

Difficulty: Beginner

Course Duration: 5 Days

Red Hat System Administration I (RH124VT)



About this course:

Red Hat System Administration I (RH124) is designed for IT professionals who are new to Linux and require core Red Hat Enterprise Linux skills. Focused on administration tasks that will be encountered in the workplace, this course will actively engage students in task-focused activities, lab-based knowledge checks, and facilitative discussions to ensure maximum skill transfer and retention. In addition, GUI-based tools will be featured to build on the students' existing technical knowledge, while key command line concepts will be introduced to provide a foundation for students planning to become full-time Linux system administrators. By the end of the five-day course, students will be able to perform installation, establish network connectivity, manage physical storage, and perform basic security administration.

The average salary for Red Hat Certified Administrator is **$78,322** per year.

Course Objective:

After completing this course, students will be able to:

- Access the command line
- Manage files from command line
- Create, view, and edit text files
- Manage local Linux users and groups
- Monitor and manage Linux processes
- Control services and daemons
- Control access to files with Linux file-system permissions
- Analyze and store log files
- Configure and secure the OpenSSH service
- Install and update software packages
- Access Linux file systems
- Manage Linux networking

Audience:

IT professionals across a broad range of disciplines who need to perform essential Linux administration tasks including installation, establishing network connectivity, managing physical storage, and basic security administration.

Prerequisites:

- Previous operating system administration experience is helpful but not required

Course Outline:

- **Unit 1: Getting Started with the GNOME Graphical Desktop**
- **Unit 2: Manage Files Graphically with Nautilus**
- **Unit 3: Get Help in a Graphical Environment**
- **Unit 4: Configure Local Services**
- **Unit 5: Manage Physical Storage I**
- **Unit 6: Manage Logical Volumes**
- **Unit 7: Monitor System Resources**
- **Unit 8: Manage System Software**
- **Unit 9: Get Started with Bash**
- **Unit 10: Get Help in a Textual Environment**
- **Unit 11: Establish Network Connectivity**
- **Unit 12: Administer Users and Groups**
- **Unit 13: Manage Files from the Command Line**
- **Unit 14: Secure Linux File Access**
- **Unit 15: Administer Remote Systems**
- **Unit 16: Configure General Services**
- **Unit 17: Manage Physical Storage II**
- **Unit 18: Install Linux Graphically**
- **Unit 19: Manage Virtual Machines**
- **Unit 20: Control the Boot Process**
- **Unit 21: Deploy File Sharing Services**
- **Unit 22: Secure Network Services**
- **Unit 23: Comprehensive Review**

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