

System Administration I

Duration: 5 Days **Course Code: RH124** **Delivery Method: Closed Events**

Overview:

The first of two courses covering the core system administration tasks needed to manage Red Hat Enterprise Linux servers

Red Hat System Administration I (RH124) is designed for IT professionals without previous Linux system administration experience. The course provides students with Linux administration competence by focusing on core administration tasks. This course also provides a foundation for students who plan to become full-time Linux system administrators by introducing key command-line concepts and enterprise-level tools.

This course is the first of a two-course series that takes a computer professional without Linux system administration knowledge to become a fully capable Linux administrator. These concepts are further developed in the follow-on course, Red Hat System Administration II (RH134). This course is based on Red Hat® Enterprise Linux 9.0.

Target Audience:

The primary persona is a technical professional with current or pending responsibilities as a Linux enterprise or cloud system administrator. This course is popular in Red Hat Academy, and is targeted at the student who is planning to become a technical professional using Linux.

Objectives:

- Introduce Linux and the Red Hat Enterprise Linux ecosystem.
- Run commands and view shell environments.
- Manage, organize, and secure files.
- Manage users, groups and user security policies.
- Control and monitor systemd services.
- Configure remote access using the web console and SSH.
- Configure network interfaces and settings.
- Archive and copy files from one system to another.
- Manage software using DNF

Prerequisites:

- Basic technical user skills with computer applications on some operating systems are expected.

Follow-on-Courses:

- Preliminary Exam in System Administration (PE124)
- Red Hat System Administration II (RH134)
- RHCSA Rapid Track course (RH199)
- RH135 - Red Hat System Administration II with RHCSA Exam

Content:

Get started with Red Hat Enterprise Linux	Control access to files	Archive and transfer files
Describe and define open source, Linux distributions, and Red Hat Enterprise Linux.	Set Linux file system permissions on files and interpret the security effects of different permission settings.	Archive and copy files from one system to another.
Access the command line	Monitor and manage Linux processes	Install and update software packages
Log into a Linux system and run simple commands using the shell.	Evaluate and control processes running on a Red Hat Enterprise Linux system.	Download, install, update, and manage software packages from Red Hat and DNF package repositories.
Manage files from the command line	Control services and daemons	Access Linux files systems
Copy, move, create, delete, and organize files while working from the bash shell.	Control and monitor network services and system daemons using systemd.	Access, inspect, and use existing file systems on storage attached to a Linux server.
Get help in Red Hat Enterprise Linux	Configure and secure SSH	Analyze servers and get support
Resolve problems by using local help systems.	Configure secure command line service on remote systems, using OpenSSH.	Investigate and resolve issues in the web-based management interface, getting support from Red Hat to help solve problems.
Create, view, and edit text files	Analyze and store logs	Comprehensive review
Manage text files from command output or in a text editor.	Locate and accurately interpret logs of system events for troubleshooting purposes.	Review the content covered in this course by completing hands-on exercises.
Manage local users and groups	Manage networking	
Create, manage, and delete local users and groups, as well as administer local password policies.	Configure network interfaces and settings on Red Hat Enterprise Linux servers.	

Additional Information:

Impact on the organization

Administration, configuration, and rapid deployment of Red Hat Enterprise Linux is the foundation for efficient IT infrastructure. This course will build the foundation for new Linux system administrators to efficiently and securely resolve configuration issues, integrate Red Hat Enterprise Linux with other existing systems, manage user and group administration, and use available storage solutions.

Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.

Impact of this training

This course will build the foundation for those learning the key tasks to become a full-time Linux system administrator. As a result of attending this course, you should be able to perform essential Linux system administration tasks, including installation, establishing network connectivity, managing physical storage, and basic security administration.

Further Information:

For More information, or to book your course, please call us on 00 966 92000 9278

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