



Red Hat® System Administration I (RH124)

Gain the core skills needed to administer a Red Hat Enterprise Linux system.

This course relates to Red Hat Enterprise Linux 7 and is designed for IT professionals without previous Linux administration experience. You will learn Linux administration "survival skills" by focusing on core administration tasks. System Admin I also provides a foundation for individuals wishing to become full time Linux system administrators by introducing key command line concepts and other enterprise level tools. These concepts are further developed in the follow-on course, *Red Hat System Administration II* (RH134). Both courses are needed in your preparation for the Red Hat Certified System Administrator Exam (EX200).

What You'll Learn

- Introduction to the command line
- Managing physical storage
- Learning how to install and configure software components and services
- Establishing network connections and firewall access
- Monitoring and managing processes
- Managing and securing files
- Administrating users and groups
- Accessing Linux file systems
- Installing and using virtualized systems
- Reviewing the system log files and journal

Who Needs to Attend

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

There are no prerequisites for this course.

Follow-On Courses

- [Red Hat® System Administration II \(RH134\)](#)
- [Red Hat® System Administration II with RHCSA® Exam \(RH135\)](#)

Certification Programs and Certificate Tracks

This course is part of the following programs or tracks:

- [RHCSA - Red Hat® Certified System Administrator](#)

Course Outline

1. Access the command line
2. Log in to a Linux system and run simple commands using the shell
3. Manage files from the command line
4. Copy, move, create, delete, and organize files from the bash shell prompt
5. Getting help in Red Hat Enterprise Linux
6. Resolve problems by using online help systems and Red Hat support utilities
7. Create, view, and edit text files
8. Create, view, and edit text files from command output or in an editor
9. Manage local Linux users and groups
10. Manage local Linux users and groups, and administer local password

policies

11. Control access to files with Linux file system permissions
12. Set Linux file system permissions on files and interpret the security effects of different permission settings
13. Monitor and manage Linux processes
14. Obtain information about the system, and control processes running on it
15. Control services and daemons
16. Control and monitor network services and system daemons using systemd
17. Configure and secure OpenSSH service
18. Access and provide access to the command line on remote systems securely using OpenSSH
19. Analyze and store logs
20. Locate and accurately interpret relevant system log files for troubleshooting purposes
21. Manage Red Hat Enterprise Linux networking
22. Configure basic IPv4 networking on Red Hat Enterprise Linux systems
23. Archive and copy files between systems
24. Archive files and copy them from one system to another
25. Install and update software packages
26. Download, install, update, and manage software packages from Red Hat and yum package repositories
27. Access Linux file systems
28. Access and inspect existing file systems on a Red Hat Enterprise Linux system.
29. Use virtualized systems
30. Create and use Red Hat Enterprise Linux virtual machines with KVM and libvirt
31. Comprehensive review
32. Practice and demonstrate the knowledge and skills learned in this course.

Further Information:

For More information, or to book your course, please Call/Email us on : - +254 713 027 191

[KENYA - training.kenya@clclearningafrica.com](mailto:training.kenya@clclearningafrica.com)

[TANZANIA - training.tanzania@clclearningafrica.com](mailto:training.tanzania@clclearningafrica.com)

[UGANDA - training.uganda@clclearningafrica.com](mailto:training.uganda@clclearningafrica.com)

[RWANDA - training.rwanda@clclearningafrica.com](mailto:training.rwanda@clclearningafrica.com)

[BURUNDI - training.burundi@clclearningafrica.com](mailto:training.burundi@clclearningafrica.com)

[ETHOPIA - training.ethopia@clclearningafrica.com](mailto:training.ethopia@clclearningafrica.com)