

RED HAT SYSTEM ADMINISTRATION I (RH124)

Course Code: 1268

Gain the fundamental administration skills needed to manage a Red Hat Enterprise Linux system.

This course relates to Red Hat Enterprise Linux 9 and provides core “survival” skills for IT professionals looking to become full-time Linux system administrators. You will master the skills to perform essential Linux administration tasks, including installation, establishing network connectivity, managing physical storage, and basic security administration.

Basic administration and configuration functions are covered, laying the foundation for rapid deployment of Red Hat Enterprise Linux.

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

This course will enable you to:

- Access & manage files from the 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

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).

*Select RHEL7 curricula is still available for Private deliveries by request.

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. This course is designed for IT professionals without previous Linux administration experience.

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CLASSROOM LIVE

\$5,200 CAD

5 Day

Classroom Live 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.

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VIRTUAL CLASSROOM LIVE

\$5,940 CAD

5 Day

Virtual Classroom Live 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
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Jul 7 - 11, 2025 | 10:30 AM - 6:30 PM EDT

Jul 14 - 18, 2025 | 10:30 AM - 6:30 PM EDT

Aug 4 - 8, 2025 | 10:30 AM - 6:30 PM EDT

Aug 11 - 15, 2025 | 10:30 AM - 6:30 PM EDT

Aug 18 - 22, 2025 | 10:30 AM - 6:30 PM EDT

Aug 25 - 29, 2025 | 10:30 AM - 6:30 PM EDT

Sep 8 - 12, 2025 | 10:30 AM - 6:30 PM EDT

Sep 15 - 19, 2025 | 10:30 AM - 6:30 PM EDT

Sep 22 - 26, 2025 | 10:30 AM - 6:30 PM EDT

Oct 13 - 17, 2025 | 10:30 AM - 6:30 PM EDT

Oct 20 - 24, 2025 | 10:30 AM - 6:30 PM EDT

Oct 27 - 31, 2025 | 10:30 AM - 6:30 PM EDT

Nov 3 - 7, 2025 | 10:30 AM - 6:30 PM EST

Nov 10 - 14, 2025 | 10:30 AM - 6:30 PM EST

Nov 17 - 21, 2025 | 10:30 AM - 6:30 PM EST

Dec 1 - 5, 2025 | 10:30 AM - 6:30 PM EST

Dec 8 - 12, 2025 | 10:30 AM - 6:30 PM EST

Dec 15 - 19, 2025 | 10:30 AM - 6:30 PM EST

RED HAT SYSTEM ADMINISTRATION I (RH124)

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ON-DEMAND

\$5,049 CAD

On-Demand 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
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31. Comprehensive review
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PRIVATE GROUP TRAINING

5 Day

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