

Red Hat Enterprise Linux System Administration Essentials

27 September – 1 October 2027
Toronto (Canada)

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Why This Course

Linux remains the backbone of enterprise IT infrastructure, powering servers, cloud environments, and mission-critical applications. For IT professionals, mastering Linux system administration is essential to ensure system reliability, security, and performance.

This intensive 5-day course provides practical, hands-on experience with Red Hat Enterprise Linux RHEL, focusing on essential administration skills. Participants will gain the knowledge and confidence to manage Linux systems effectively while laying a strong foundation for advanced certifications and career growth.

What You'll Learn and Practice

By participating in this program, you will:

- Master essential command-line tools and Linux system concepts.
- Manage users, groups, and system permissions securely.
- Configure and control system services using systemd.
- Implement basic networking and storage management.
- Monitor, troubleshoot, and optimize Linux systems.
- Deploy and manage software packages using DNF.

The Program Flow

Day 1: Getting Started with Red Hat Enterprise Linux

- Introduction to Linux and the Red Hat ecosystem
- Accessing the command line
- Managing files from the command line
- Getting help in Red Hat Enterprise Linux
- Creating, viewing, and editing text files

Day 2: Essential Tools and User Management

- Managing local users and groups
- Controlling access to files
- Monitoring and managing Linux processes
- Control services and daemons
- Configuring and securing SSH

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A graphic of a chessboard with several chess pieces (a king, a queen, a rook, and a pawn) positioned on it. The board is white and black, and the pieces are gold and silver. The text 'UK Training PARTNER' is overlaid on the right side of the board.

Day 3: Operating Running Systems

- Configuring and securing a basic firewall
- Installing and updating software packages
- Accessing Linux file systems
- Analyzing and storing logs
- Managing networking

Day 4: Storage Management and Virtualization

- Managing storage
- Creating and using file systems
- Managing logical volumes
- Accessing network-attached storage
- Controlling the boot process

Day 5: Advanced Topics and Practical Application

- Managing network security
- Running containers
- Automating tasks with Bash scripts
- Comprehensive review and hands-on practice
- Preparing for the RHCSA exam

Individual Impact

- Gain confidence performing daily Linux administration tasks.
- Develop troubleshooting and problem-solving skills for real-world Linux environments.
- Strengthen knowledge of system security, networking, and storage management.
- Build a strong foundation for advanced Red Hat certifications.

Work Impact

- Efficiently manage and maintain Red Hat Enterprise Linux servers.
- Ensure system security, reliability, and optimal performance.
- Reduce downtime through proactive troubleshooting and monitoring.
- Support organizational IT operations with scalable, secure Linux infrastructures.

Training Methodology

This program combines theoretical instruction with hands-on exercises to ensure practical skill development:

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- Command-line exercises and system configuration labs.
- Real-world scenarios for user management, networking, and security.
- Storage, virtualization, and container management practice.
- Guided review sessions and RHCSA exam preparation exercises.

Beyond the Course

Upon completion, participants will be equipped to:

- Perform essential Linux system administration confidently.
- Troubleshoot and resolve common system and network issues.
- Implement foundational security measures and best practices.
- Progress toward advanced Red Hat certifications and career advancement.

A graphic of a chessboard with several chess pieces. A gold king piece is prominent in the foreground, with a silver pawn and a gold pawn nearby. In the background, there are concentric circles and the text 'UK Training PARTNER'.

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