



Training Course:
*Red Hat Enterprise Linux - Management &
Administration*

*23 - 27 May 2027
Cairo (Egypt)*

Training Course: Red Hat Enterprise Linux - Management & Administration

Training Course code: IT234916 From: 23 - 27 May 2027 Venue: Cairo (Egypt) - Training Course Fees: 4100 € Euro

Introduction

Red Hat Enterprise Linux - Management & Administration equips you with Linux® administration "survival skills" by focusing on foundational Linux concepts and core tasks. You will learn how to apply command-line concepts and enterprise-level tools, starting you on your journey toward becoming a full-time Linux system administrator.

Objectives

- Introduction to the command line
- Managing physical storage
- Install and configure software components and services
- Establish network connections and control firewall restrictions
- Monitor and manage running processes
- Manage and secure files and file systems
- Administer users and groups
- Review the system log files and journal for issues
- Troubleshoot problems and analyze systems with Red Hat Insights
- Remotely manage systems with SSH and the Web Console

Target Audience

This course is designed for a wide range of IT professionals, including:

- Windows System Administrators looking to transition into Linux environments
- Network Administrators responsible for managing infrastructure and connectivity
- Junior Linux System Administrators seeking to strengthen their foundational skills
- IT Support Engineers involved in system troubleshooting and maintenance
- DevOps Engineers who require Linux knowledge for automation and deployment
- Cloud and Virtualization Engineers working with Linux-based platforms
- Cybersecurity Professionals who need Linux administration skills for securing systems
- Technical Professionals aiming to pursue Red Hat certifications such as RHCSA

Training Outlines

Day 1: Linux Fundamentals & Command Line Essentials

- Introduction to RHEL 8
- Graphical and Non-Graphical Login
- Virtual Consoles
- Unix/Linux Standards
- BASH Environment & Command Line Basics
- Command Syntax and Aliases
- Editing Command Lines & Keyboard Shortcuts
- Getting Help in RHEL man, help, documentation

Day 2: File Systems & File Management

- Linux File System Structure
- File and Directory Specifications
- File Characteristics & Permissions
- Locating Files and Directories
- File Manipulation Commands
- Hard Links vs Symbolic Links
- Input/Output Redirection & Pipelines
- Archive and Transfer Files tar, gzip, wget, rsync

Day 3: Users, Processes & System Monitoring

- Managing Users and Groups
- /etc/passwd and /etc/group
- Password Policies & PAM
- Process Management ps, top, kill, nice
- Process Monitoring Tools
- Cache and Resource Management
- Introduction to System Logs and Journals

Day 4: Software Management, Services & Networking

- Installing RHEL 8
- Managing Software rpm, dnf, yum
- Repository Configuration AppStream & BaseOS
- Managing Services & systemd
- Boot Process & Targets
- Network Configuration IP, Gateway, Hostname
- Time Synchronization NTP & Chrony

Day 5: Security, Remote Access & Troubleshooting

- SSH Configuration and Security Part 1 & 2
- Remote System Management SSH & Cockpit
- Firewall Configuration Basics
- File Security chmod, umask, chattr
- Log Management journalctl, logrotate
- Troubleshooting & System Analysis
- Introduction to Red Hat Insights

Registration form on the Training Course: Red Hat Enterprise Linux - Management & Administration

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