



RHCSA EX200 Certification Bootcamp: Red Hat System Administration

09 - 13 Mar 2027
Vienna



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Ref.: 103600685_83792 **Date:** 09 - 13 Mar 2027 **Location:** Vienna **Fees:** 5700 **Euro**

Overview

The RHCSA EX200 Certification Bootcamp: Red Hat System Administration is an intensive, hands-on training program designed to equip IT professionals with the essential skills required to configure, administer, and troubleshoot Red Hat Enterprise Linux systems. Participants will gain practical experience in core administrative tasks, including file management, user security, network configuration, storage management, and container basics, preparing them to build secure and reliable enterprise infrastructures.

Target Audience

System administrators, network administrators, IT support professionals, and security engineers aiming to validate their Linux competencies or prepare for enterprise-level deployment challenges within organizations across Saudi Arabia.

Relevant Departments and Industries

Information Technology, Cybersecurity, Cloud Infrastructure, Telecommunications, Government Sector, Banking, and Enterprise Operations.

Measurable Learning Objectives

- Execute essential command-line operations and manage text files using standard utilities.
- Create, configure, and manage local user accounts, groups, and password policies.
- Configure local storage partitions, logical volumes, and swap spaces.
- Implement security policies using firewall rules and SELinux enforcement modes.
- Deploy, manage, and troubleshoot system services, network settings, and boot processes.

Day 1

Introduction to Red Hat Enterprise Linux, accessing the command line, managing files from the shell, and operating running text files. Participants will practice basic shell navigation, file manipulation, and input-output redirection.



Day 2

User and group administration, file permissions, and access control lists. The focus shifts to securing system access, configuring sudo privileges, and establishing robust directory permission frameworks.

Day 3

Configuring and securing storage systems. Trainees will learn to create partitions, manage logical volume management LVM volumes, configure file systems, and set up persistent mounts.

Day 4

Deploying system administration tools, managing network configurations, controlling system services, and administering software packages using DNF. Participants will also inspect and manage system logs.

Day 5

Implementing network security via firewalld rules and managing SELinux security contexts. The day concludes with boot troubleshooting, system recovery techniques, and comprehensive review exercises simulating real-world scenarios.

Practical Exercises

Learners will engage in suggested activities such as setting up a multi-user environment with strict access controls, configuring logical volumes with dynamic resizing capabilities, troubleshooting boot failures in a simulated rescue environment, and writing custom firewall rules to secure critical network services.



Frequently Asked Questions

What background knowledge is helpful before attending this bootcamp?

Basic familiarity with general computing concepts and command-line interfaces is beneficial, though the course covers foundational elements during the opening sessions.

What technical setup is required for the lab exercises?

Participants need access to a virtualization platform or a compatible lab environment capable of running Red Hat Enterprise Linux virtual machines.

Does this training include exam vouchers or official test attempts?

This curriculum focuses entirely on delivering technical instruction and practical skills; exam vouchers and testing fees are not included.

How are the practical exercises structured?

Exercises are designed around realistic administrative tasks that mirror common operational challenges faced by enterprise Linux administrators.



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