

EX200: RHCSA – Red Hat Certified System Administrator

Administer Red Hat Enterprise Linux confidently from the command line and prepare for the hands-on RHCSA exam.

DURATION

5 days · 40 hours

LEVEL

Intermediate

CURRICULUM

17 modules · 12 labs

DELIVERY

Live online, Onsite,
Corporate

Course overview

Red Hat Enterprise Linux runs a large share of the servers in banks, telecoms, government and enterprise data centres across India and the Gulf. RHCSA is the credential employers use to check that you can administer it properly. Because the exam is entirely hands-on, this five-day course is built around practical tasks on real RHEL systems.

Days one and two build core skills: the shell, files and permissions, text processing, users and groups, processes, scheduled jobs, software management with DNF, systemd services and logging. You will also write simple shell scripts to automate routine work.

Day three focuses on storage — partitions, logical volumes, swap, file systems, persistent mounts and network file systems with autofs. Day four covers networking, firewall configuration, SSH, time synchronisation, SELinux contexts and booleans, and troubleshooting the boot process, including resetting the root password.

Day five covers containers on RHEL with Podman, a full review and a timed practice set in the style of the EX200 exam, with a debrief on technique and verification.

This course is aligned to the Red Hat Certified System Administrator (RHCSA) exam, EX200. Ace Skills is not a Red Hat training partner and does not use official courseware. Please confirm the current exam objectives and RHEL version on the Red Hat website before booking.

Highlights

- 40 hours of live, trainer-led sessions
- Dedicated RHEL virtual machines for every learner
- Storage, LVM, Stratis and file systems in depth
- SELinux, firewall and boot troubleshooting
- Timed EX200-style practice tasks

What's included

- Dedicated RHEL virtual machines
- Storage and LVM labs on every relevant topic
- SELinux and firewall troubleshooting practice
- Boot recovery and root password reset drills
- Shell scripting for routine tasks
- Timed EX200-style practice set
- Course completion certificate from Ace Skills Consulting
- Post-training doubt support

Who this course is for

Who should attend

- Linux and Unix system administrators
- Windows administrators moving to Linux
- Cloud and DevOps engineers who manage RHEL
- Support engineers in data centre and hosting teams

Prerequisites

- Basic familiarity with any Linux or Unix command line
- Understanding of files, directories and networking basics
- Prior administration experience is helpful but not essential

Detailed curriculum — 5 days, 40 hours, 17 modules, 12 hands-on labs

Day 1 Essential Tools and the Shell

8 hours

1.1 Working at the command line

- Shell basics and help resources
- Links
- Text editing with vim
- Files and directories
- Input/output redirection and pipes

LAB Navigate and manage files from the shell · 40 min

1.2 Text processing and archives

- grep and regular expressions
- tar and compression
- Finding files
- Remote file copy

1.3 Permissions

- Standard permissions
- Special permissions
- umask
- Access control lists

LAB Configure shared directories with permissions and ACLs · 45 min

Day 2 Users, Processes, Software and Services

8 hours

2.1 Users and groups

- Local users and groups
- sudo configuration
- Password ageing

LAB Create users with password policies and sudo rules · 35 min

2.2 Processes and scheduling

- Monitoring processes
- cron and at
- Tuning profiles
- Signals and priorities
- systemd timers

2.3 Software and services

- DNF and repositories
- Enabling and starting services
- systemd units and targets
- Journald and rsyslog

LAB Configure repositories and manage services · 40 min

2.4 Shell scripting

- Variables and conditionals
- Script arguments and exit codes
- Loops

LAB Write a script to automate a routine task · 40 min

Day 3 Storage and File Systems

8 hours

3.1 Disks and partitions

- MBR and GPT
- Swap space
- Creating partitions

LAB Partition a disk and add swap · 35 min

3.2 Logical volumes

- Physical volumes, volume groups and logical volumes
- Stratis overview
- Extending volumes and file systems

LAB Build and extend an LVM volume · 50 min

3.3 File systems and mounts

- XFS and ext4
- NFS clients
- Persistent mounts with fstab and UUIDs
- autofs

LAB Configure NFS and autofs home directories · 45 min

Day 4 Networking, Security and Boot

8 hours

4.1 Networking

- NetworkManager and nmcli
- Hostname resolution
- IPv4 and IPv6 configuration
- Time synchronisation with chrony

LAB Configure static networking and hostname resolution · 35 min

4.2 Remote access and firewall

- SSH keys and hardening
- firewalld zones and services

4.3 SELinux

- Modes and policy
- Booleans
- Diagnosing denials
- File contexts
- Port labelling

LAB Fix a web server blocked by SELinux · 45 min

4.4 Boot process

- Boot targets
- Repairing file system issues at boot
- Resetting the root password

LAB Recover a system that fails to boot · 40 min

Day 5 Containers and Exam Readiness

8 hours

5.1 Containers on RHEL

- Podman basics
- Persistent storage for containers
- Container images and registries
- Running containers as systemd services

5.2 Review

- Common mistakes
- Making changes persistent across reboots
- Verifying your work

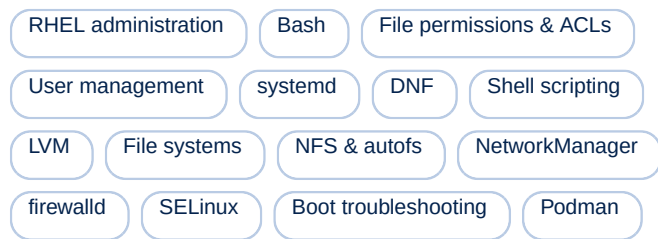
5.3 Exam readiness

- Exam environment and rules
- Timed practice set with debrief
- Time management

LAB Timed EX200-style practice set · 120 min

Skills and tools

Skills you will build



Tools used in class



Certification exam

This course is aligned to the exam below and prepares you for it. The exam itself is booked and taken with the vendor.

Exam	Red Hat Certified System Administrator (RHCSA) exam
Exam code	EX200
Format	Performance-based / lab
Official page	https://www.redhat.com/en/services/certification/rhcsa

Exam skill areas covered

Exam details are pending verification. Confirm the current exam code, format and fee on the official vendor page before booking.

Frequently asked questions

Is the RHCSA exam hands-on?

Yes. EX200 is performance-based: you complete real administration tasks on live systems rather than answering multiple-choice questions.

Which RHEL version is used?

We teach on the RHEL version that matches the current exam and point out differences from older releases you may meet at work.

Is this an official Red Hat course?

No. It is an independent Ace Skills course aligned to the EX200 objectives; it does not use Red Hat courseware.

What comes after RHCSA?

Most learners continue to RHCE, which focuses on automation with Ansible.

Can I practise after the course?

Yes. We share instructions for building a free practice lab so you can keep rehearsing tasks.

Book a batch or talk to an advisor

Course page: aceskillsconsulting.com/course/ex200-rhcsa-red-hat-certified-system-administrator · Email: info@aceskillsconsulting.com

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