

# Course : Red Hat II system administration (remote classroom)

Official RH134VT course, EX200 exam preparation

*Practical course - 5d - 35h00 - Ref. R13*

With this course, you'll deepen your fundamental Linux system administration skills. You'll learn about various advanced Linux system administration functions, such as configuring and managing storage, installing and deploying Red Hat Enterprise Linux, managing security features such as SELinux, controlling recurring system tasks, managing the boot process and troubleshooting problems, and much more.

## Teaching objectives

At the end of the training, the participant will be able to:

- ✓ Install Red Hat Enterprise Linux using scalable methods
- ✓ Access security files, file systems and networks
- ✓ Execute shell scripts and automation techniques
- ✓ Manage storage devices, logical volumes and file systems
- ✓ Manage security and system access
- ✓ Control the startup process and system services
- ✓ Running containers

## Intended audience

Windows and Linux system administrators, network administrators and other system administrators wishing to extend their skills.

## Prerequisites

Red Hat System Administration I (RH124) is recommended.

## Certification

This course prepares you for certification as a "Red Hat Certified System Administrator" (RHCSA) by taking the EX200 exam.

[Comment passer votre examen ?](#)

## PARTICIPANTS

Windows and Linux system administrators, network administrators and other system administrators wishing to extend their skills.

## PREREQUISITES

Red Hat System Administration I (RH124) is recommended.

## TRAINER QUALIFICATIONS

The experts who lead the training courses are specialists in the subjects covered. They are approved by the publisher and certified for the course. They have also been validated by our teaching teams in terms of both professional knowledge and teaching skills for each course they teach. They have at least three to ten years of experience in their field and hold or have held positions of responsibility in companies.

## ASSESSMENT TERMS

Assessment of targeted skills prior to training.

Assessment by the participant, at the end of the training course, of the skills acquired during the training course.

Validation by the trainer of the participant's learning outcomes, specifying the tools used: multiple-choice questions, role-playing exercises, etc.

At the end of each training course, ITTCERT provides participants with a course evaluation questionnaire, which is then analysed by our teaching teams. Participants also complete an official evaluation of the publisher.

An attendance sheet for each half-day of attendance is provided at the end of the training course, along with a certificate of completion if the participant has attended the entire session.

## Practical details

### Teaching methods

Training in French. Official course material in digital format and in English. Good understanding of written English.

### Course schedule

#### 1 Improved command line productivity

- Execute commands using the advanced features of the bash shell.
- Execute commands more efficiently using shell scripts.
- Execute commands more efficiently using various utilities provided by Red Hat Enterprise Linux.

#### 2 Planning future tasks

- Plan orders to be executed at a later date, either once or on a recurring basis.

#### 3 Analysis and logging

- Accurately locate and analyze system event logs for troubleshooting purposes.

#### 4 File archiving and transfer

- Archive and copy files from one system to another.

#### 5 Optimizing system performance

- Improve system performance by configuring setup parameters.
- Improve system performance by adjusting scheduling priorities.

#### 6 SELinux security management

- Protect and manage server security using SELinux.

#### 7 Logical volume management

- Create and manage logical volumes containing file systems.
- Create and manage exchange spaces from the command line.

#### 8 Access to network storage

- Use the NFS protocol to manage networked storage.

#### 9 Start-up process control

- Manage the start-up process to monitor services offered, resolve and correct problems.

#### 10 Network security management

- Control network connections to services using the system firewall and SELinux rules.

### TEACHING AIDS AND TECHNICAL RESOURCES

The teaching resources used are the publisher's official materials and practical exercises.

### TERMS AND DEADLINES

Registration must be completed 24 hours before the start of the training course.

### ACCESSIBILITY FOR PEOPLE WITH DISABILITIES

Do you have specific accessibility requirements? Contact Ms FOSSE, disability advisor, at the following address: [psh-accueil@orsys.fr](mailto:psh-accueil@orsys.fr) so that we can assess your request and its feasibility.

## 11 Installing Red Hat Enterprise Linux

- Install Red Hat Enterprise Linux on servers and virtual machines.

## 12 Container execution

- Get, run and manage simple, lightweight containerized services on a Red Hat Enterprise Linux server.