Course : Red Hat I system administration (distance learning)

RH124VT Official Course, Red Hat exam preparation

Practical course - 5d - 35h00 - Ref. R12

With this course, you'll master the fundamentals of Linux system administration. In particular, you'll explore essential Linux system administration tasks, such as installation, network connectivity configuration, physical storage management and security basics.

Teaching objectives

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

- Master Linux and the Red Hat Enterprise Linux ecosystem
- Execute commands and view shell environments
- Manage users, groups and user security policies
- Controlling and monitoring systemd services
- Configure remote access using web console and SSH
- Configure network interfaces and parameters
- Managing software with DNF

Intended audience
IT professionals with no experience of Linux system administration.

Prerequisites
Basic technical skills in computer applications running on certain operating systems.

Certification
This course prepares you for certification as a "Red Hat Certified System Administrator" (RHCSA) by taking the EX200 exam.
Comment passer votre examen ?

Practical details

Teaching methods

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

Course schedule

1 **Introducing Red Hat Enterprise Linux**

- Describe and define the concept of Open Source, Linux, Linux distributions and Red Hat Enterprise Linux.

2 **Command line access**

- Log on to a Linux system and execute simple commands using the shell.

3 **File management from the command line**

- Copy, move, create, delete and organize files from the bash shell.

4 **Help in Red Hat Enterprise Linux**

- Solve problems using local help systems.

5 **Creating, displaying and editing text files**

- Manage text files from a command output or text editor.

6 **Local user and group management**

- Create, manage and delete local users and groups.
- Manage local password policies.

7 **File access control**

- Define different authorization levels on Linux file systems.
- Interpret the effects of different authorization levels on safety.

8 **Linux process monitoring and management**

- Evaluate and control processes running on a Red Hat Enterprise Linux system.

9 **Controlling services and demons**

- Control and monitor network services and system daemons using the systemd service.

10 **Configuring and securing SSH**

- Configure secure command-line service on remote systems using OpenSSH.

11 **Analysis and logging**

- Accurately locate and analyze system event history for problem-solving purposes.

12 **Networking management**

- Configure network interfaces and parameters on Red Hat Enterprise Linux servers.

13 **Installing and updating software packages**

- Download, install, update and manage software packages from Red Hat and DNF package repositories.

14 **Access to Linux file systems**

- Access, analyze and use file systems on a storage system connected to a Linux server.

15 **Server analysis and support**

- Examine and resolve problems related to the web-based management interface.