Red Hat System Administration I

Kód kurzu: RH124

Od ledna 2026 je možné za původních podmínek zakoupit pouze prezenční Red Hat školení. Virtuální kurzy (VT) jsou dostupné výhradně v rámci ročního předplatného RHLS Course.Jak si naplánovat virtuální kurz v Red Hat Learning Subscription Course naleznete zde.
The first of two courses covering the core system administration tasks needed to manage Red Hat Enterprise Linux servers.Red Hat System Administration I (RH124) is designed for IT professionals without previous Linux system administration experience. The course provides students with Linux administration competence by focusing on core administration tasks. This course also provides a foundation for students who plan to become full-time Linux system administrators by introducing key command-line concepts and enterprise-level tools. This course is the first of a two-course series that takes a computer professional without Linux system administration knowledge to become a fully capable Linux administrator. These concepts are further developed in the follow-on course, Red Hat System Administration II (RH134).This course is based on Red Hat® Enterprise Linux 9.0.

Pro koho je kurz určen

- The primary persona is a technical professional with current or pending responsibilities as a Linux enterprise or cloud system administrator.
- This course is popular in Red Hat Academy, and is targeted at the student who is planning to become a technical professional using Linux.

Co Vás naučíme

IMPACT ON THE ORGANIZATION

Administration, configuration, and rapid deployment of Red Hat Enterprise Linux is the foundation for efficient IT infrastructure. This course will build the foundation for new Linux system administrators to efficiently and securely resolve configuration issues, integrate Red Hat Enterprise Linux with other existing systems, manage user and group administration, and use available storage solutions.

IMPACT OF THIS TRAINING

This course will build the foundation for those learning the key tasks to become a full-time Linux system administrator. As a result of attending this course, you should be able to perform essential Linux system administration tasks, including installation, establishing network connectivity, managing physical storage, and basic security administration.

Recommended next exam or course

- Preliminary Exam in System Administration (PE124)
- Red Hat System Administration II (RH134)
- RHCSA Rapid Track course (RH199)

Course content summary

- Introduce Linux and the Red Hat Enterprise Linux ecosystem.
- Run commands and view shell environments.
- Manage, organize, and secure files.
- Manage users, groups and user security policies.
- Control and monitor systemd services.
- Configure remote access using the web console and SSH.
- Configure network interfaces and settings.
- Archive and copy files from one system to another.
- Manage software using DNF

Požadované vstupní znalosti

- Basic technical user skills with computer applications on some operating systems are expected.
- Take our free assessment

GOPAS Praha
Na Strži 2097/63
140 00 Praha 4 - Krč
Tel.: +420 226 201 390
info@gopas.cz

GOPAS Brno
Nové sady 996/25
602 00 Brno
Tel.: +420 530 513 590
info@gopas.cz

GOPAS Bratislava
Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 902 903 132
info@gopas.sk

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- to gauge whether this offering is the best fit for your skills.

Studijní materiály

Studijní materiál Red Hat.

Osnova kurzu

Get started with Red Hat Enterprise Linux

- Describe and define open source, Linux distributions, and Red Hat Enterprise Linux.

Access the command line

- Log into a Linux system and run simple commands using the shell.

Manage files from the command line

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

Get help in Red Hat Enterprise Linux

- Resolve problems by using local help systems.

Create, view, and edit text files

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

Manage local users and groups

- Create, manage, and delete local users and groups, as well as administer local password policies.

Control access to files

- Set Linux file system permissions on files and interpret the security effects of different permission settings.

Monitor and manage Linux processes

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

Control services and daemons

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

Configure and secure SSH

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

Analyze and store logs

- Locate and accurately interpret logs of system events for troubleshooting purposes.

Manage networking

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

Archive and transfer files

- Archive and copy files from one system to another.

Install and update software

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

Access Linux files systems

- Access, inspect, and use existing file systems on storage attached to a Linux server.

Analyze servers and get support

- Investigate and resolve issues in the web-based management interface, getting support from Red Hat to help solve problems.

Comprehensive review

- Review the content covered in this course by completing hands-on exercises.

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