Red Hat Certified Specialist in Security: Linux exam

Kód kurzu: EX415

The Red Hat Certified Specialist in Security: Linux exam validates your knowledge and abilities in securing Red Hat® Enterprise Linux®.By passing this exam, you become a Red Hat Certified Specialist: Linux, which also counts toward becoming a Red Hat Certified Architect (RHCA®).Objectives listed for this exam are based on the most recent Red Hat product version available.

Pro koho je kurz určen

These audiences may be interested in becoming a Red Hat Certified Specialist in Security: Linux:

- System administrators responsible for managing large enterprise environments
- System administrators responsible for securing their organization's infrastructure
- Red Hat Certified Engineers interested in pursuing the Red Hat Certified Architect (RHCA) credential

Požadované vstupní znalosti

To help you study, review the following exam objectives that highlight the task areas you can expect to see covered in the exam. Red Hat reserves the right to add, modify, and remove exam objectives. Such changes will be made public in advance.

Study points for the exam

Use Red Hat Ansible® Engine

- Install Red Hat Ansible Engine on a control node.
- Configure managed nodes.
- Configure simple inventories.
- Perform basic management of systems.
- Run a provided playbook against specified nodes.

Configure intrusion detection

- Install AIDE.
- Configure AIDE to monitor critical system files.

Configure encrypted storage

- Encrypt and decrypt block devices using LUKS.
- Configure encrypted storage persistence using NBDE.
- Change encrypted storage passphrases.

Restrict USB devices

- Install USBGuard.
- Write device policy rules with specific criteria to manage devices.
- Manage administrative policy and daemon configuration.

Manage system login security using pluggable authentication modules (PAMs)

- Configure password quality requirements.
- Configure failed login policy.
- Modify PAM configuration files and parameters.

Configure system auditing

- Write rules to log auditable events.
- Enable prepackaged rules.
- Produce audit reports.

Configure SELinux

- Enable SELinux on a host running a simple application.
- Interpret SELinux violations and determine remedial action.
- Restrict user activity with SELinux user mappings.

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- Analyze and correct existing SELinux configurations.

Enforce security compliance

- Install OpenSCAP and Workbench.
- Use OpenSCAP and Red Hat Insights to scan hosts for security compliance.
- Use OpenSCAP Workbench to tailor policy.
- Use OpenSCAP Workbench to scan an individual host for security compliance.
- Use Red Hat Satellite server to implement an OpenSCAP policy.
- Apply OpenSCAP remediation scripts to hosts.

What you need to know

Preparation

Red Hat encourages all candidates for the Red Hat Certified Specialist in Security: Linux credential to consider taking Red Hat Security: Linux in Physical, Virtual, and Cloud (RH415) to help prepare. Attendance in these classes is not required; students can choose to take just the exam.

While attending Red Hat classes can be an important part of your preparation, attending class does not guarantee success on the exam. Previous experience, practice, and native aptitude are also important determinants of success. Many books and other resources on system administration for Red Hat products are available. Red Hat does not endorse any of these materials as preparation guides for exams. Nevertheless, you may find additional reading helpful to deepen your understanding.

Exam format

This exam is a performance-based evaluation of skills and knowledge required to secure Red Hat Enterprise Linux systems. Candidates work with multiple systems to analyze and implement security measures and are evaluated on whether they have met specific objective criteria. Performance-based testing means that candidates must perform tasks similar to what they perform on the job.

Scores and reporting

Official scores for exams come exclusively from Red Hat Certification Central. Red Hat does not authorize examiners or training partners to report results to candidates directly. Scores on the exam are usually reported within 3 U.S. business days.

Exam results are reported as total scores. Red Hat does not report performance on individual items, nor will it provide additional information upon request.

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