Red Hat Security: Linux in Physical, Virtual, and Cloud - Red Hat Learning Subscription Course (RH415LS)

Category: Networking & Security | **Vendor:** Red Hat

Duration: 32.00 hours (4 days) **26.0 CPD Hours** **Rating:** ⭐ 4.6 (5,878 reviews)

Course Information

Delivery Format: Instructor Led - Online

Related Exam: Red Hat Security: Linux in Physical, Virtual, and Cloud; Linux Platform; RH415

Course Overview

Your systems may be secure today, but what about tomorrow? With threats evolving and infrastructure stretching across physical, virtual, and cloud environments, security is no longer a checklist; it’s a continuous, automated strategy. If you’re ready to go beyond the basics and build enterprise-grade defenses for hybrid environments, the Red Hat Security: Linux in Physical, Virtual, and Cloud (RH415) course will empower you to take control of security and compliance across Red Hat Enterprise Linux deployments. Through immersive, hands-on labs, you’ll learn how to proactively manage risk using tools like SELinux, OpenSCAP, Red Hat Insights, Red Hat Satellite, and Ansible Automation Platform. You won’t just react to vulnerabilities; you’ll anticipate and eliminate them at scale.RHLS Course Includes: 365-Day RHLS Subscription - Full year of access starting from your purchase date. Official Red Hat Training Curriculum - Learn directly from Red Hat’s validated, up-to-date course materials. Hands-On Labs (100 Hours per Course) - Build practical, real-world skills through extensive lab time. One Certification Exam + Free Retake - Includes exam readiness resources to help you prepare with confidence. One Virtual, Instructor-Led Class - Attend a live online class through the Red Hat portal (self-enrollment required using your RHID).

About This Course

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Who Should Attend

This course is designed for security administrators and system administrators responsible for managing the security of Red Hat Enterprise Linux systems across physical, virtual, and cloud instances. It is ideal for administrators who need to manage the secure operation of servers running Red Hat, ensure compliance with security policies, and proactively manage risk.

Prerequisites & Entry Requirements

General Prerequisites:

Red Hat Certified Engineer (RHCE) certification or equivalent Red Hat Enterprise Linux knowledge and experience.

Learning Outcomes

Upon successful completion of this course, participants will be able to:

After completing this course, you'll be able to manage the secure operation of Red Hat systems across on-premises and cloud environments. You'll use tools like Red Hat Insights, OpenSCAP, and SELinux to help you implement and comply with your organization's security policies. Enable and configure SELinux and implement advanced techniques to restrict access Use Red Hat Insights to detect and remediate vulnerabilities Evaluate compliance using OpenSCAP and SCAP Workbench Encrypt data on storage devices with LUKS and NBDE Record and inspect system events using the Linux Audit system Manage authentication using PAM Scale compliance automation with Red Hat Ansible and Red Hat Satellite

Detailed Course Outline

Module 1: Managing Security and Risk

- Understand the process of managing risk
- Define and implement security policies
- Technologies and tools backed by Red Hat

Module 2: Automating with Red Hat Ansible

- Use Red Hat Ansible to deploy remediation
- Automate secure configuration
- Apply provided Ansible Playbooks

Module 3: Encrypting Storage Devices

- Use LUKS to encrypt data
- Use NBDE to manage automatic decryption when servers are booted
- Secure data at rest

Module 4: Restricting USB Access

- Use USBGuard to protect from unauthorized USB devices
- Configure and manage USB access controls

Module 5: Managing Authentication with PAM

- Configure PAM for authentication and session settings
- Manage password and access policies

Module 6: Auditing System Events

- Record and inspect system events relevant to security
- Use the Linux Audit system and supporting tools

Module 7: Monitoring File Integrity

- Detect changes using AIDE
- Monitor and analyze file system integrity

Module 8: SELinux and Advanced Techniques

- Enable SELinux
- Analyze and modify policies
- Implement advanced SELinux techniques to restrict access

Module 9: Evaluating Compliance with OpenSCAP

- Use OpenSCAP and SCAP Workbench
- Identify security gaps and remediate them with Red Hat

Module 10: Detecting Issues with Red Hat Insights

- Proactively identify and resolve issues
- Analyze system risks and apply fixes

Module 11: Scaling Compliance with Red Hat Satellite

- Automate compliance checks
- Manage Red Hat Enterprise Linux systems at scale

Module 12: Review and Capstone

- Apply what you've learned across modules
- Simulated real-world challenge scenarios

Frequently Asked Questions

Q: What delivery options are available for Red Hat Security: Linux in Physical, Virtual, and Cloud - Red Hat Learning Subscription Course (RH415LS)?

We offer multiple delivery formats:

- Live Instructor-Led Classroom Online (Virtual/Live Online)
- Traditional Instructor-Led Classroom Training (ILT)
- On-site delivery at your offices anywhere in United Kingdom
- Private dedicated courses customized for your team

Q: Which exam does this course prepare me for?

This course prepares you for the Red Hat Security: Linux in Physical, Virtual, and Cloud; Linux Platform; RH415 official exam. You can take this exam at any exam center across United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online wherever you are located.

Q: How many CPD hours does this course provide?

The 4-day Red Hat Security: Linux in Physical, Virtual, and Cloud - Red Hat Learning Subscription Course (RH415LS) course provides up to 26.0 CPD hours of structured learning. CPD certificates can be provided upon request.

Q: What is the duration of the Red Hat Security: Linux in Physical, Virtual, and Cloud - Red Hat Learning Subscription Course (RH415LS) training?

The training takes place over 4 day(s), with each day lasting approximately 32.00 hours including breaks for lunch and refreshments.

Q: Do you provide corporate training for Red Hat Security: Linux in Physical, Virtual, and Cloud - Red Hat Learning Subscription Course (RH415LS)?

Yes, we provide corporate training, dedicated training, and closed classes for Red Hat Security: Linux in Physical, Virtual, and Cloud - Red Hat Learning Subscription Course (RH415LS). Training can take place anywhere in United Kingdom including London, Manchester, Birmingham, Edinburgh, or live online allowing teams from across United Kingdom or internationally to attend.

Q: Why choose Nexus Human for Red Hat Security: Linux in Physical, Virtual, and Cloud - Red Hat Learning Subscription Course (RH415LS)?

Nexus Human is recognized as one of the leading training providers. Our trainers have won multiple awards including:

- Small Firms Best Trainer Award
- National Training Partner of the Year (Ireland) - Multiple Years
- Global Top 30 Instructor Awards (2012, 2019, 2021)
- Tech Excellence Award Nominations
- Learning Performance Institute (LPI) External Training Provider Sponsor 2024

Q: Are there any discount codes available?

Yes! Use discount code **PENPAL5** when booking your Red Hat Security: Linux in Physical, Virtual, and Cloud - Red Hat Learning Subscription Course (RH415LS) training. Please note that only one discount code can be used per booking and cannot be combined with other special offers.

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