



RED HAT TRAINING

Red Hat Enterprise Linux 8 New Features Training Course

Upgrade your Red Hat skills. Master RHEL 8's new features like AppStream and Container Tools to manage modern Linux systems effectively.

DURATION

2 hours

LEVEL

Intermediate

FORMAT

Instructor-Led

- Globally Recognized Certification

- Expert-Led Hands-On Training

- Flexible Scheduling

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COURSE OVERVIEW

This concise 2-hour training course is specifically designed for IT professionals eager to rapidly grasp the pivotal new features and enhancements introduced in Red Hat Enterprise Linux 8. As a major release, RHEL 8 represents a significant leap forward in enterprise-grade operating systems, focusing heavily on hybrid cloud integration, containerization, and advanced automation. Participants will gain a comprehensive understanding of the architectural shifts, updated core utilities, and revamped management tools that define RHEL 8, enabling them to navigate and leverage its full potential.

The course delves into critical technologies such as Podman and Buildah for managing OCI-compliant containers without a daemon, Stratis for simplified local storage management, and enhanced Red Hat System Roles for streamlined automation. You'll explore improvements in software management with DNF, security enhancements, and refined networking capabilities. By mastering these innovations, IT administrators, engineers, and architects will be well-equipped to deploy, manage, and optimize modern Red Hat environments, ensuring scalability, robust security, and operational efficiency in today's demanding enterprise IT landscapes.

Duration	2 hours
Level	Intermediate
Vendor	Red Hat

COURSE CURRICULUM

01 Module 1: Introducing Red Hat Enterprise Linux 8

- RHEL 8 Architectural Overview and Key Innovations
- Understanding Application Streams for Flexible Software Delivery
- The DNF Package Manager: Enhancements and Usage
- Transitioning from RHEL 7: Major Differences and Upgrade Considerations

02 Module 2: Storage and Networking Enhancements

- Simplified Local Storage Management with Stratis
- Maximizing Storage Efficiency with VDO (Virtual Data Optimizer)
- Updated Network Configuration and Management Tools
- Integrating with Cockpit Web Console for System Administration

03 Module 3: Containerization with Podman and Buildah

- Introduction to OCI Container Tools: Podman and Buildah
- Building and Running Rootless Containers with Podman
- Creating Custom Container Images with Buildah
- Migrating Container Workflows from Docker to Podman

04 Module 4: Automation, Security, and System Management

- Leveraging Red Hat System Roles for Automated System Configuration
- New Cryptographic Policies and Security Profiles
- Enhanced Firewalld Capabilities and Network Security
- Updates to Identity Management (IdM) Integration and Features

CAREER PATHWAYS

Graduates of this program are prepared for the following roles:

- > **Senior Red Hat Linux System Administrator**
- > **DevOps Engineer specializing in Red Hat OpenShift and container orchestration**
- > **Enterprise Cloud Architect leveraging RHEL 8 for hybrid cloud solutions**

FREQUENTLY ASKED QUESTIONS

Q: What prior Red Hat Enterprise Linux experience is recommended to get the most out of this new features training?

This course is specifically tailored for IT professionals who are already familiar with previous versions of Red Hat Enterprise Linux, such as RHEL 7. A solid foundational understanding of core Linux concepts, command-line operations, and basic system administration tasks is highly recommended. This background will enable you to effectively appreciate the new features, understand their implications, and quickly apply the knowledge in practical scenarios.

Q: How do the new containerization features in RHEL 8, particularly Podman, benefit a professional working in a hybrid cloud or DevOps role?

RHEL 8's native containerization tools, Podman and Buildah, offer significant advantages for professionals in hybrid cloud and DevOps roles. Podman enables rootless containers for enhanced security, provides a Docker-compatible command-line interface for seamless transition, and integrates effortlessly with automation tools. This empowers professionals to efficiently build, deploy, and manage containerized applications consistently across on-premise, virtualized, and public cloud environments, thereby accelerating CI/CD pipelines and improving overall application portability and reliability.

Q: Will mastering the new storage features like Stratis and VDO enhance my capabilities as a system architect or storage administrator?

Absolutely. Understanding and implementing Stratis and VDO in RHEL 8 environments will significantly enhance your capabilities as a system architect or storage administrator. Stratis simplifies complex storage management by offering a unified, easy-to-use interface for creating and managing file systems, while VDO (Virtual Data Optimizer) provides efficient block-level data deduplication and compression to maximize storage utilization and reduce costs. By leveraging these features, you can design and manage more resilient, cost-effective, and performant storage solutions, directly contributing to optimized data infrastructure and increased value in your role.

ABOUT COMPUTER PRIDE



East Africa's Premier IT Training Center

With over 15 years of excellence, Computer Pride delivers globally recognized certification programs from leading technology vendors. Located on Kenyatta Avenue in Nairobi's CBD, our state-of-the-art facilities and expert instructors have empowered thousands of professionals across East Africa.

15+

10,000+

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READY TO ENROL?

Take the next step in your technology career.

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