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**Learning Style: Virtual Classroom**

**Technology: Red Hat**

**Difficulty: Intermediate**

**Course Duration: 4 Days**

# RHEL8 New Features for Experienced Linux Administrators (RH354VT)



## About this course:

### Prepare yourself for Red Hat Enterprise Linux 8 by learning about changes to the operating system

Red Hat Enterprise Linux 8 New Features for Experienced Linux Administrators (RH354) introduces you to updates in the upcoming Red Hat® Enterprise Linux®

release. Intended for experienced Linux system administrators, this course offers a rapid orientation to Red Hat Enterprise Linux 8 based on the pre-release beta. The offering prepares operators, managers, principal system administrators, and other IT professionals with experience in Red Hat Enterprise Linux 7 for deployments and migrations to the new release.

This course is based on Red Hat Enterprise Linux 8.

## Course Objective:

- Install Red Hat Enterprise Linux 8 using the new packaging, modularity, and appstream features.
- Upgrade from Red Hat Enterprise Linux 7 to Red Hat Enterprise Linux 8 using new tools.
- Perform integrated file system and volume management using Stratis.
- Use Cockpit for system management.
- Create system images with Composer.
- Configure Identity Management using authselect.
- Understand the Wayland graphical display server.
- Deploy containers using the new integrated OCI runtime and tools.
- Configure firewall rules that use the new NFT back end.

## Audience:

This course is designed to provide a preview of Red Hat Enterprise Linux 8 to experienced IT professionals, including:

- Linux system administrators
- DevOps engineers
- Cloud administrators

## Prerequisite:

- Become a Red Hat Certified System Administrator (RHCSA), or demonstrate equivalent knowledge of and experience with Red Hat Enterprise Linux

## Course Outline:

### Preview Red Hat Enterprise Linux 8

Describe the major improvements and feature enhancements in the upcoming Red Hat Enterprise Linux 8 release.

### Install and upgrade to Red Hat Enterprise Linux 8

Install Red Hat Enterprise Linux 8 or upgrade an existing system from Red Hat Enterprise Linux 7 to Red Hat Enterprise Linux 8.

**Provision and manage servers**

Prepare standardized systems by generating system images for deployment, managing them with remote web-based administration, and automating provisioning with Red Hat Enterprise Linux System Roles for Red Hat® Ansible Engine.

**Adapt to core system changes**

Manage core system components that have had significant changes in Red Hat Enterprise Linux 8.

**Implement storage using new features**

Explore the major enhancements in local and remote file system and volume management components.

**Manage containers with the new runtime**

Explain the new container runtime engine and tools that replace the Docker container engine.

**Implement enhanced networking features**

Describe the major enhancements in network packet processing and network device management.

**Adapt to virtualization improvements**

Learn to implement the new features and management tools for virtualization management.

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