devoteam

Red Hat Satellite 6 Administration (RH403)

COURSE OVERVIEW

Learn how to configure Red Hat Satellite 6 to deploy and manage Red Hat Enterprise Linux systems and software

Red Hat Satellite 6 Administration (RH403) is a lab-based course that explores the concepts and methods necessary for successful large-scale management of Red Hat® Enterprise Linux® systems. You will learn how to configure Red Hat Satellite 6 on a server and populate it with software packages. You will use Red Hat Satellite to manage the software development life cycle of a subscribed host and its configuration, and learn how to provision hosts integrated with software and Ansible® configuration management upon deployment.

This course is based on Red Hat Enterprise Linux 8 and Red Hat Satellite 6.6.

Course summary

- Verify a Red Hat Satellite 6.6 installation.
- Regulate Red Hat Satellite with organizations, locations, users, and roles.
- Manage software with Red Hat Satellite environments and content views.
- Use Red Hat Satellite to configure hosts with Ansible playbooks and roles.
- Provision hosts with integrated software and configuration management.
- Implement Metal-as-a-Service (MaaS) with Satellite discovery and provisioning of unprovisioned hosts.

Audience for this course

- Senior Red Hat Enterprise Linux system administrators responsible for the management of multiple servers

Recommended training

- Be a Red Hat Certified Engineer (RHCE®) or demonstrate equivalent experience
- Have experience with Red Hat Satellite 6

COURSE CONTENT

Plan and deploy Red Hat Satellite
Plan a Red Hat Satellite deployment, then perform installation and initial configuration of Red Hat Satellite servers.

Manage software life cycles
Create and manage Red Hat software deployment life cycle environments.

Register hosts
Register and configure your Red Hat Enterprise Linux systems to use Red Hat Satellite, then organize those systems into groups for easier management.

Deploy software to hosts
Manage software deployment to registered hosts of your Red Hat Satellite infrastructure and practice managing environment paths, life cycle environments, and content views.

Deploy custom software
Create, manage, and deploy custom software products and repositories.

Deploy Satellite capsule servers
Perform installation and initial configuration of Red Hat Satellite capsule servers as components of a deployment plan.

Run remote execution commands
Configure the ability to run ad hoc and scheduled tasks on managed hosts using a variety of configuration management tools.

Provision hosts
Configure Satellite server for host deployment and perform host provisioning.

Manage Red Hat Satellite using the API
Integrate Red Hat Satellite functionality with custom scripts or external applications that access the API over HTTP.

Plan a Red Hat Satellite deployment on a cloud platform
Plan a Red Hat Satellite deployment, installation, and initial configuration on a cloud platform.

Perform Red Hat Satellite server maintenance
Manage Red Hat Satellite for security, recoverability, and growth.

Comprehensive review
Install and configure Red Hat Satellite Server, then provision content hosts.

Impact on the organization

This course develops the skills needed to more efficiently design, configure, test, and deploy computer systems within an organization. The ability to apply these skills will reduce unexpected downtime of systems and facilitate more efficient deployment of new systems, applications, and features.

Impact on the individual

As a result of attending this course, you should be able to employ the software development life cycle process to plan, create, test, and provision host systems within an organization.

Recommended next course or exam

Red Hat Certified Specialist in Deployment and Systems Management exam (EX403)
Demonstrate your knowledge, skills, and ability to use Red Hat products, including Red Hat Enterprise Linux and Red Hat Satellite server, to deploy and manage systems in an efficient, scalable, replicable, and reliable manner.

Red Hat Security: Linux in Physical, Virtual, and Cloud (RH415)
Manage the secure operation of servers running Red Hat Enterprise Linux, whether deployed on physical hardware, as virtual machines, or as cloud instances.

Advanced Automation: Ansible Best Practices (DO447)
Learn how to install and use Red Hat Ansible Tower to centrally coordinate Ansible, control access to hosts and systems, and manage Ansible workflows through the web interface and the Red Hat Ansible Tower API.