Red Hat Satellite 6 Administration (RH403)

Duration: 40 Hours (5 Days)

Overview

The Red Hat Satellite 6 Administration (RH403) course is a comprehensive training program designed to teach system administrators how to manage their infrastructure using Red Hat Satellite. The course covers planning, deploying, and managing the Satellite infrastructure, which includes Software lifecycle management, Host registration, Software deployment, and the use of Capsule servers.Students will learn to streamline and automate the management of Red Hat Enterprise Linux systems, thereby improving efficiency and reducing operational costs. Through hands-on lessons and exercises, learners will gain experience in the complete setup of Red Hat Satellite, the Execution of remote commands, Provisioning hosts, Using Satellite's API, and Maintaining a Satellite environment on a cloud platform.By the end of the training, participants familiar with red hat satellite training and redhat satellite training will have the skills necessary to ensure their systems are running efficiently, securely, and in compliance with various standards, preparing them for real-world satellite administration tasks.

Audience Profile

The Red Hat Satellite 6 Administration course is tailored for IT professionals managing software deployment life cycles on Red Hat servers.

- System administrators and IT professionals responsible for Red Hat Enterprise Linux (RHEL) systems management
- DevOps engineers focusing on automation and orchestration within Red Hat environments
- IT operations personnel looking to efficiently manage software releases and updates
- Infrastructure architects planning scalable deployments on Red Hat Satellite
- Cloud administrators who deploy and manage Red Hat instances on cloud platforms
- Technical support engineers providing maintenance for Red Hat Satellite environments
- Security professionals ensuring compliance and security standards within their Red Hat infrastructure
- Systems engineers who integrate Red Hat Satellite with other API-driven services
- Professionals seeking to learn advanced Red Hat Satellite features for career advancement

Course Syllabus

Outline for this course

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.

Prepare network resources for host provisioning

- Configure Satellite Server for host provisioning.

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.

Deploy Red Hat Satellite on a cloud platform

- Plan a Red Hat Satellite deployment on a cloud platform, including
- managed content hosts.

Perform Red Hat Satellite server maintenance

- Manage Red Hat Satellite for security, recoverability, and growth.

Comprehensive review

- Verify and configure a Red Hat Satellite Server installation and
- provision content hosts.