Red Hat Satellite 6 Administration (RH403) Training

Duration: **5 Day**

BILGINC IT Academy
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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 6.15.

Prerequisites

- Achieve Red Hat Certified Engineer (RHCE) certification, or equivalent experience.
- Candidates are recommended but not required to have familiarity with Red Hat Satellite 6.

Who Should Attend

- Senior Red Hat Enterprise Linux system administrators responsible for the management of multiple servers and hybrid cloud enterprises up to a very large scale

What You Will Learn

- Verify a Red Hat Satellite 6.15 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.

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Training Outline

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.