

Red Hat Satellite 6 Administration with Exam (RH 404)

COURSE OVERVIEW:

Learn how to install Red Hat Satellite 6 Red Hat Satellite 6 Administration is a lab-based course that explores the concepts and methods necessary for successful large-scale management of Red Hat Enterprise Linux systems. Course participants will learn how to install Red Hat Satellite 6 on a server and populate it with software packages.

This course is based on Red Hat Enterprise Linux 7 and Red Hat Satellite server 6. It also includes the Red Hat Certificate of Expertise in Deployment and Systems Management (EX403) exam based on Red Hat Satellite 6.

TARGET AUDIENCE:

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

PREREQUISITES:

Recommend having a Red Hat Certified Engineer (RHCE) certification or equivalent experience

Have Red Hat Satellite 5 experience

OBJECTIVES:

- Install Red Hat Satellite 6.
- Red Hat Network organizations, locations, users and roles.
- Manage software with Red Hat Satellite environments and content views.
- Create custom RPM packages.
- Use Red Hat Satellite to configure hosts with Puppet.
- Provision hosts with integrated software and configuration management.
- Implement Metal-as-a-Service (MaaS) with Satellite discovery and provisioning of unprovisioned hosts.

COURSE OUTLINE:

Module 1: Red Hat Satellite 6 installation

- Install Red Hat Satellite 6 on a server and populate it with Red Hat Enterprise Linux software content.

Module 2: Manage users and hosts across organizations and locations

- Effectively control user access for Red Hat Satellite administration.

Module 3: Register clients to Satellite server

- Register hosts to a Red Hat Satellite server, both interactively and automatically.

Module 4: Manage software deployment through the software development life cycle

- Control which packages hosts can install and which updates are propagated to hosts and evaluate host deviations from corporate standards.

Module 5: Build RPM packages

- Create RPM packages for deployment of programs and files on client systems.

Module 6: Deploy custom software using Red Hat Satellite

- Incorporate non-Red Hat software packages into a Red Hat Satellite framework.

Module 7: Manage system configurations with Puppet

- Create and populate a Puppet repository within a Red Hat Satellite framework.

Module 8: Standardize system configurations with Red Hat Satellite 6

- Configure hosts using Puppet.

Module 9: Deploy hosts with Satellite server

- Deploy and provision hosts using PXE.

Module 10: Configuration of Satellite server for enterprise system deployment

- Configure host provisioning for integration with software and configuration management and discover unprovisioned host and provision-discovered hosts.

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