Red Hat Satellite 6 Administration (RH403)

In association with : redhat

DESCRIPTION:

Course overview

Students 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 Puppet configuration management upon deployment.

Course content summary

- 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.

AUDIENCE AND PREREQUISITES:

Audience for this course

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

Prerequisites for this course

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

- Have Red Hat Satellite 5 experience

OUTLINE:

Outline for this course

Red Hat Satellite 6 installation

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

Manage users and hosts across organizations and locations

Effectively control user access for Red Hat Satellite administration.

Red Hat Satellite client registration

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

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.

Build RPM packages

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

Deploy custom software using Red Hat Satellite

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

Manage system configurations with Puppet

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

Standardize system configurations with Red Hat Satellite 6

Configure hosts using Puppet.

Deploy hosts with Satellite server

Deploy and provision hosts using PXE.

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.

OUTCOMES:

Impact of this training

Impact on the organization

This course is intended to develop the skills needed to more efficiently design, configure, test, and deploy computer systems within an organization. Doing so 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, students should be able to leverage the software development life-cycle process to plan, create, test, and provision host systems within an organization.

Students should be able to demonstrate the following skills:

- Installation of Red Hat Satellite 6

- Software life-cycle management of software used to provision and maintain configured hosts within a controlled production environment

Thank You

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