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**Learning Style: Virtual Classroom**

**Technology: Red Hat**

**Difficulty: Advanced**

**Course Duration: 5 Days**

## **Red Hat Satellite 6 Administration (RH403VT)**

### **About this course:**

What is Red Hat? Red Hat, Inc. is an American multinational software company providing open-source software products to the enterprise community. Founded in 1993, Red Hat has its corporate headquarters in Raleigh, North Carolina, with satellite offices worldwide.

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.

The average salary for Red Hat System Administrator is **\$72,762** per year.

### **Course Objective:**

After completing this course, students will be able to:

- 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:

This course is intended for:

- 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

## Suggested prerequisites courses:

- [Red Hat System Administration I \(RH124\)](#)
- [Red Hat System Administration II \(Virtual Training\) \(RH134VT-EC\)](#)

## Course Outline:

### Red Hat Satellite installation

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

### Red Hat Satellite organization

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.

### Incorporate software management into SDLC

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

### Deploy custom software using Red Hat Satellite

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

### Configuration management with Puppet

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

### Centralized management and deployment of system configurations

Configure hosts using Puppet.

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