

## Red Hat Satellite 6 Administration (RH403)

**Duration: 90 Days    Course Code: RH403    Delivery Method: Elearning (Self-paced)**

### Overview:

#### 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.

Following course completion, hands-on lab access will remain available for up to 45 days for any live course that includes a virtual environment.

**Note:** This course is offered as a five day virtual class or self-paced. Durations may vary based on the delivery. For full course details, scheduling, and pricing, select your location then “get started” on the right hand menu.

#### e-Learning

Interactive self-paced content that provides flexibility in terms of pace, place and time to suit individuals and organisations. These resources also consist of online books, educational podcasts and vodcasts, and video-based learning.

### Target Audience:

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

### Objectives:

- 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.

### Prerequisites:

#### Recommended for this course

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

#### Technology considerations

Internet access is not required.

## Follow-on-Courses:

### Recommended next exam or course

#### **Red Hat Certified Specialist in Deployment and Systems Management exam (EX403)**

Demonstrate your knowledge, skills, and ability to use Red Hat products, including Red Hat Enterprise Linux and Red Hat Satellite server, to deploy and manage systems in an efficient, scalable, replicable, and reliable manner.

#### **Red Hat Security: Linux in Physical, Virtual, and Cloud (RH415)**

Manage the secure operation of servers running Red Hat Enterprise Linux, whether deployed on physical hardware, as virtual machines, or as cloud instances.

#### **Developing Advanced Automation with Red Hat Ansible Automation Platform (DO374)**

Advance your Ansible skills and develop automation that scales by applying recommended practices with the new, container focused tools from Red Hat Ansible Automation Platform.

#### **Managing Enterprise Automation with Red Hat Ansible Automation Platform (DO467)**

Manage complex Ansible automation workflows at cloud scale and prevent single points of failure.

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## Content:

Plan and deploy Red Hat Satellite	Create, manage, and deploy custom software products and repositories.	Manage Red Hat Satellite using the API
Plan a Red Hat Satellite deployment, then perform installation and initial configuration of Red Hat Satellite servers.	Deploy Satellite capsule servers	Integrate Red Hat Satellite functionality with custom scripts or external applications that access the API over HTTP.
Manage software life cycles	Perform installation and initial configuration of Red Hat Satellite capsule servers as components of a deployment plan.	Deploy Red Hat Satellite on a cloud platform
Create and manage Red Hat software deployment life cycle environments.	Run remote execution commands	Plan a Red Hat Satellite deployment on a cloud platform, including managed content hosts.
Register hosts	Configure the ability to run ad hoc and scheduled tasks on managed hosts using a variety of configuration management tools.	Perform Red Hat Satellite server maintenance
Register and configure your Red Hat Enterprise Linux systems to use Red Hat Satellite, then organize those systems into groups for easier management.	Prepare network resources for host provisioning	Manage Red Hat Satellite for security, recoverability, and growth.
Deploy software to hosts	Configure Satellite Server for host provisioning.	Comprehensive review
Manage software deployment to registered hosts of your Red Hat Satellite infrastructure and practice managing environment paths, life cycle environments, and content views.	Provision hosts	Verify and configure a Red Hat Satellite Server installation and provision content hosts.
Deploy custom software	Configure Satellite server for host deployment and perform host provisioning.	Note: Course outline is subject to change with technology advances and as the nature of the underlying job evolves. For questions or confirmation on a specific objective or topic, contact one of our Red Hatters.

## Additional Information:

### Impact on the organization

As modern organizations migrate to large scale virtualized and container-native hybrid cloud environments, the number of virtual machines and application hosts has greatly increased and become more complex to manage and secure. This course prepares senior system administrators to automate deployment, configuration, monitoring, building, and testing of managed hosts and the application workloads that run on those hosts. Automating operations and management tasks with Red Hat Satellite Server greatly reduces downtime, provides more consistent deployments, reduces configuration errors, and eliminates security gaps by providing faster installation of errata and product fixes. Red Hat has created this course in a way intended to benefit our customers, but each company and infrastructure is unique, and actual results or benefits may vary.

### Impact on the individual

As a result of attending this course, you will learn the skills required to manage and hybrid cloud hosts and applications in medium to large scale environments. You will be able to plan and implement hybrid cloud network environments, provision managed hosts and software, and manage custom application life cycles across local and distributed enterprises.

## Further Information:

For More information, or to book your course, please call us on 00 971 4 446 4987

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