



Enterprise Computing Solutions - Education Services

## TRAINING OFFERING

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Email: [training.ecs.fr@arrow.com](mailto:training.ecs.fr@arrow.com)  
Phone: 01 49 97 50 00



# Red Hat Enterprise Deployment and Systems Management

<b>CODE:</b>	<b>DURÉE:</b>	<b>PRIX H.T.:</b>
REH_401	32 Hours (4 Jours)	€3,660.00

## Description

Red Hat® Enterprise Deployment and Systems Management explores the concepts and methods necessary for successful large-scale deployment and management of Red Hat Enterprise Linux® systems.

## Objectifs

Students will learn how to install and use [Red Hat Satellite](#) server with enhanced entitlements reporting to deploy and manage systems. By the end of this course, students will have built their own RPM packages and will have used Subversion to manage changes to files. This course can also help you prepare for the [Red Hat Certificate of Expertise in Deployment and Systems Management \(EX401\) exam](#). This version of the course includes the exam.

Note: This course is related to Red Hat Satellite 5. If you would like to train on version 6, see our [Red Hat Satellite 6 Administration \(RH403\) course](#).

## Course content summary

- Install Red Hat Satellite server with Subscription Asset Manager
- Red Hat Satellite organizations, users, and roles
- Manage changes with revision control software
- Manage software with Red Hat Satellite software channels and errata
- Construction of custom RPM packages
- Report and automation with Red Hat Satellite programming API
- Deploy configuration files using Red Hat Satellite
- Provision with Pre-boot Execution Environment (PXE)
- Administer Red Hat Satellite

## Audience

- Senior Red Hat Enterprise Linux system administrators responsible for the planning, deployment, and management of multiple physical or virtualized servers
- Individuals preparing for the [Red Hat Certificate of Expertise in Deployment and Systems Management \(EX401\) exam](#)

## Training Development

Essential system management

Set high-level goals for effective system management.

Install Red Hat Satellite

Install a Red Hat Satellite server, and populate it with software channel content.

Red Hat Satellite organization

Create and manage Red Hat Satellite organizations, users, and system groups.

Use Subversion to manage changes

Initialize and configure a Subversion repository, start a new Subversion project, and manage revisions using Subversion.

Red Hat Satellite client configuration

Register client machines with Red Hat Satellite both interactively and in automated ways.

Red Hat Satellite software management

- Configure Red Hat Satellite with custom and cloned software channels to manage software updates on client systems.
- Build RPM packages
  - Create RPM packages for use with Red Hat Satellite to enable the deployment of programs and files on client systems.
- Configuration file management with Satellite
  - Use Red Hat Satellite to deploy individual configuration files to client systems.
- Provision with Red Hat Satellite
  - Use Red Hat Satellite to provision Red Hat Enterprise Linux systems from bare metal.
- Red Hat Satellite administration
  - Perform Red Hat Satellite maintenance functions including embedded database management, activate Satellite with a new entitlement certificate, and export custom software channel content.
- Red Hat Satellite API and reports
  - Use the Red Hat Satellite API to produce simple reports and perform basic administrative tasks.
- Red Hat Satellite virtual machine management
  - Manage Red Hat Satellite entitlements and create kickstart profiles that will provision virtualization hosts and virtualized guests.
- Comprehensive review
  - Review course material and deploy a Red Hat Satellite server.

## Prérequis

Students without a [Red Hat Certified Engineer \(RHCE\) certification](#) are encouraged to check their experience levels by taking a free [online skills assessment](#).

## Options

### [Red Hat Satellite 6 Administration \(RH403\) course](#)

Explores the concepts and methods necessary for successful large-scale management of Red Hat Enterprise Linux systems using Red Hat Satellite 6.

### [Red Hat Certificate of Expertise in Deployment and Systems Management \(EX401\) exam](#)

Hands-on, performance-based, 4-hour exam.

### [Red Hat Enterprise System Monitoring and Performance Tuning \(RH442\) course](#)

Gives senior administrators the methodology and experience with performance tuning and capacity planning for Red Hat Enterprise Linux.

## This course prepares you for these credentials

### [Red Hat Certificate of Expertise in Deployment and Systems Management](#)

Demonstrate your knowledge and ability needed to manage large installations of Red Hat Enterprise Linux systems using Red Hat Satellite.

## Dates de session

Sur demande. [Merci de nous contacter](#)

## Informations

### Complémentaires

[Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.](#)