

# Red Hat Satellite Technical

**Course Duration: 8 Hours**

**Course Code: RHSAT-TO**

## 1. Course Overview

The **Red Hat Satellite Technical Overview** course provides an introduction to **Red Hat Satellite**, the powerful system management solution that helps organizations **deploy, configure, and maintain Red Hat Enterprise Linux (RHEL) environments** efficiently and at scale.

This technical overview highlights how Red Hat Satellite simplifies **system provisioning, patch management, configuration, and subscription management** across physical, virtual, and cloud infrastructures. It is designed to help IT professionals understand the **capabilities, benefits, and architecture** of Satellite before implementing it in enterprise environments.

## 2. What You'll Learn?

By the end of this course, participants will:

- Understand the **purpose and architecture** of Red Hat Satellite.
- Learn how Satellite helps manage **large-scale RHEL deployments**.
- Explore **subscription and content management** features.
- Discover how to automate **system provisioning and lifecycle management**.
- Learn how to use **patching and configuration management** tools.
- See how Red Hat Satellite integrates with **cloud, virtualization, and automation platforms**.

### 3. Target Audience

This overview is intended for:

- **System administrators** managing RHEL environments.
- **IT operations engineers** responsible for patching, provisioning, and compliance.
- **DevOps and automation professionals** integrating infrastructure management.
- **Technical decision-makers** exploring Satellite for enterprise adoption.

### 4. Pre-Requisites

- Basic knowledge of **Linux system administration**.
- Familiarity with **RHEL system management tasks**.
- No prior Red Hat Satellite experience required.

### 5. Course Content

#### **Module 1: Introduction to Red Hat Satellite**

- What is Red Hat Satellite?
- Use cases and business value.

#### **Module 2: Red Hat Satellite Architecture**

- Key components of Satellite.
- Integration with RHEL and other Red Hat products.

#### **Module 3: Subscription and Content Management**

- Managing Red Hat subscriptions.
- Synchronizing repositories and software content.

#### **Module 4: System Provisioning and Lifecycle Management**

- Automated provisioning with Satellite.
- Managing updates, patches, and errata.

### **Module 5: Configuration and Compliance Management**

- Enforcing policies and system configurations.
- Ensuring system compliance with enterprise standards.

### **Module 6: Integration with Cloud and Automation**

- Using Satellite in hybrid cloud and virtualized environments.
- Integration with Red Hat Ansible Automation Platform.

### **Module 7: Monitoring and Reporting**

- Tracking system health and updates.
- Generating compliance and inventory reports.

