

# INTRODUCING RED HAT SATELLITE 6

Next-generation Red Hat Enterprise Linux systems management

DATASHEET

## RED HAT SATELLITE 6 HIGHLIGHTS

- New and improved management of Red Hat Enterprise Linux life cycle
- Easily create and manage instances on bare metal, private, and public clouds
- Quickly and easily manage configuration across thousands of systems
- Powerful new content management across RPMs and Puppet modules

## OVERVIEW

Red Hat® Satellite is a systems management platform that makes Linux® easier to deploy, scale, and manage. It provides lower total cost of ownership (TCO) in life cycle management, and allows you to scale your IT environment as you grow. The latest release of Red Hat's systems management solution, Red Hat Satellite 6, delivers dramatic improvements across system provisioning, configuration management, content management, and overall scalability and security.

## RED HAT SATELLITE 6 CAPABILITIES

Red Hat Satellite improves your ability to deploy and update hosts and securely manage your environment. A flexible and scalable architecture means that your Satellite deployment can grow along with your organization. Red Hat Satellite 6 introduces new capabilities across system provisioning, configuration management, and content and life cycle management, along with improved Red Hat subscription management.

## PROVISIONING

With Red Hat Satellite 6, you can provision on bare metal, virtualized infrastructure, and on public or private clouds—all from one place and with one simple process.

FEATURES	DESCRIPTION
Provision on bare metal.	Quickly provision and update your entire bare-metal infrastructure.
Provision on Red Hat Enterprise Virtualization, OpenStack®, VMWare, or Amazon EC2.	Easily create and manage instances across virtualized infrastructure or private and public clouds.
Provision using templates.	Create complex Kickstart and PXE scenarios with powerful variables and snippets.
Perform system discovery.	Discover and search across non-provisioned hosts for rapid deployment.



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## LEARN MORE ABOUT RED HAT SATELLITE 6

Download Red Hat Satellite 6 and access documentation in the Red Hat Customer Portal

### CONFIGURATION MANAGEMENT

A major change in Satellite 6 is the use of Puppet for configuration management, which replaces configuration channels in Satellite 5. You can now configure your Red Hat Enterprise Linux systems in a more agile and efficient manner. Analyze and automatically remediate configuration drift and control, and enforce the desired host end-state, all from the Satellite user interface (UI).

FEATURES	DESCRIPTION
Puppet Forge and GIT integration	Integration for synchronizing Puppet modules, which provides the ability to manage, promote, and distribute configuration easily across your environment.
Drift remediation	Automatically correct system state with complete reporting, auditing, and history of changes.

### LIFE CYCLE MANAGEMENT

Managing the complete life cycle of your Red Hat Enterprise Linux infrastructure ensures better consistency, availability, and auditability. Complete life cycle management includes managing both software content and configuration content, which Red Hat Satellite handles easily in one consolidated view. Easily and effectively manage all your systems, whether they are deployed on physical, virtual, or cloud infrastructure from one console.

FEATURES	DESCRIPTION
Content views	Moving away from the Satellite 5 concepts of channels and cloning, Satellite 6 introduces content views, a powerful new concept for content and life cycle management. Content views are collections of RPMs or Puppet modules refined with filters and rules. Content views are published and promoted throughout life cycle environments, enabling end-to-end system life cycle management. Content views contain both software and configuration content in one place, greatly simplify managing the life cycles of systems.
Red Hat Content Delivery Network (CDN) integration	Integrated with the Red Hat CDN to let users control synchronization of Red Hat content straight from the UI.
Federated life cycle management	Distribution and federation of provisioning, configuration, and content delivery via Red Hat Satellite Capsule Server.

## ALREADY A RED HAT SATELLITE 5 CUSTOMER?

Talk with your Red Hat account manager and prepare for your move to Red Hat Satellite 6.

## SUBSCRIPTION MANAGEMENT

In addition to managing your Red Hat Enterprise Linux systems, you can also use Red Hat Satellite 6 to help manage your Red Hat subscriptions.

FEATURES	DESCRIPTION
Manifests	Easily import and manage the distribution of your Red Hat software subscriptions.
Built-in reporting engine	Within Red Hat Satellite, you can report and map your purchased products to registered systems for end-to-end subscription usage visibility.

## ARCHITECTURES

Allow your Red Hat Enterprise Linux managed systems to connect to Red Hat Satellite on premise, rather than connecting systems directly to Red Hat Network (RHN) over the Internet. With Red Hat Satellite, plus Red Hat Satellite Capsule Server, managing your growing Linux environment is easier than ever.

### RED HAT SATELLITE SERVER

Red Hat Satellite Server connects directly to Red Hat to download updates and synchronize content, but also has the flexibility to work in a completely disconnected environment. Red Hat Satellite capabilities include:

- Multi-tenancy.
- User and group role-based access control (RBAC) with external directories.
- Powerful graphical user interface (GUI), command-line interface (CLI), and application programming interfaces (API).
- Advanced subscription management.

## RED HAT SATELLITE CAPSULE SERVER

A new element of Red Hat Satellite 6 is the Red Hat Satellite Capsule Server. The capsule server is used to facilitate content federation and distribution, in addition to other localized services, such as Puppet master, DHCP, DNS, TFTP, and more. The capsule server allows you to easily scale Red Hat Satellite as the number of managed systems increases in your environment. It connects with Satellite Server to enable localized systems management, including:

- Federated services
- Provisioning

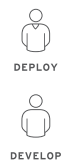
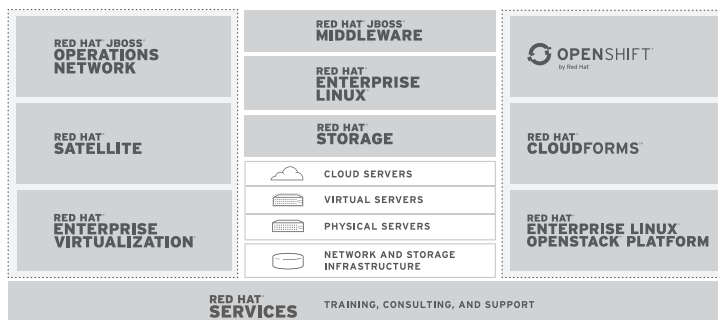
## SMART MANAGEMENT

The Red Hat Enterprise Linux Smart Management Add-On enables the management functionality of Satellite Server for a host, including provisioning, configuration management, and life cycle management. Smart management is the key to unlocking the power of Satellite for all of your hosts, and is required for each Red Hat Enterprise Linux subscription that you want to manage.



## ABOUT RED HAT

Red Hat is the world's leading provider of open source solutions, using a community-powered approach to provide reliable and high-performing cloud, virtualization, storage, Linux, and middleware technologies. Red Hat also offers award-winning support, training, and consulting services. Red Hat is an S&P company with more than 80 offices spanning the globe, empowering its customers' businesses.



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**NORTH AMERICA**  
1 888 REDHAT1

**EUROPE, MIDDLE EAST,  
AND AFRICA**  
00800 7334 2835  
europe@redhat.com

**ASIA PACIFIC**  
+65 6490 4200  
apac@redhat.com

**LATIN AMERICA**  
+54 11 4329 7300  
info-latam@redhat.com