

RED HAT SATELLITE: MANAGEMENT AND AUTOMATION OF YOUR RED HAT ENTERPRISE LINUX ENVIRONMENT

DATASHEET

“Red Hat Satellite offers important advantages in the remote management of desktop systems. In this way, the solution is way ahead of other Linux solutions that have nothing adequate to offer.”

HUBERT BÖSL
UNIX SYSTEMS ARCHITECT
MUNICH AIRPORT

KEY BENEFITS

- Easy and effective management of your physical and virtual machines
- Complete lifecycle management for less
- Administration consistency and improved governance
- Proactive monitoring to reduce performance issues

Today's IT departments need increased productivity, reduced system lifecycle costs, greater administration consistency, and enhanced security. With Red Hat® Satellite, you can instantly see the status of your systems and if any are missing important patches or configuration changes.

Not only does Red Hat Satellite improve security, it also enables you to easily measure and report on the patch level of systems in your company. Your security posture is improved through a single centralized management tool, secure connection policies for remote administration, standardized machine configurations, and digitally signed content.

PRODUCT 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) through complete lifecycle management, and allows you to scale your IT environment as you grow.

Red Hat Satellite creates a more consistent Red Hat Enterprise Linux environment with standardized machine configurations. Its services are provided through functional modules that allow you to enhance management capabilities for Red Hat Enterprise Linux on virtualized or bare metal deployments. With Red Hat Satellite, you can manage tens, hundreds, even thousands of systems as easily as one.

CAPABILITIES

Red Hat Satellite increases your ability to deploy machines, update content, and securely manage your environment. Flexible and scalable architecture means that you can grow along with your organization.

RED HAT SATELLITE ADVANTAGES

Management	Group your systems to manage thousands as easily as one.
Provisioning	Deploy systems in minutes to bare metal or as virtual guests.
Monitoring	Maintain optimal performance and tune machine performance for all your machines.
Multi-organization support	Securely partition and distribute your administrative workload.
Central console	Manage, provision, configure, and monitor from one place.



facebook.com/redhatinc
@redhatnews
linkedin.com/company/red-hat

KEY CAPABILITIES

Red Hat Satellite provides ways to efficiently manage the lifecycle of Red Hat Enterprise Linux systems.

This includes:

- Provisioning new systems
- Managing system updates and configuration changes
- Monitoring system performance
- Re-deploying systems for new purposes

System administration and management can be distributed based upon your organizational requirements.

“Satellite is one of the more reliable pieces of software we’ve deployed and seems indispensable for setups with a large number of Red Hat Enterprise Linux servers.”

RIZVI RAHIM
SENIOR SOLUTIONS ARCHITECT
INTEGRA TECHNOLOGIES FZE

MANAGEMENT

Easily and effectively manage your physical and virtual machines (VMs) with a suite of tools and capabilities, including:

Systems grouping	Manage a group of systems as easily as a single system.
Systems permissions	Group your systems according to your needs and assign permissions to different administrators.
Multi-organization support	Create and manage multiple organizations with one Red Hat Satellite server. Set controls and access to systems, channels, users, and more.
Virtual guests	Start, stop, and pause VMs remotely.
Scheduled actions	Schedule an errata update for a system or group. Use scheduled downtime for maintenance across your network.
System search	Search by packages, errata, or systems specifications. Advanced search offers even more granularity.
Package profile comparison tools	Compare two systems, or build a package profile of your own to compare against, to see the differences on both machines.

Note: The management module is required for all installations, sold with the provisioning module.

CONFIGURATION MANAGEMENT AND PROVISIONING

Manage the complete lifecycle of your Red Hat Enterprise Linux infrastructure. Deploy, configure, manage, update, and re-deploy your systems—all from a single console.

Bare-metal and virtual-guest provisioning	Automatically provision a bare-metal or virtual system using Kickstart. Deploy the operating system, packages, and activation keys (e.g., groups, channels, policies, and permissions) of your choice – all without touching the machine.
Existing state provisioning	Provision a system to take on the state of an existing system or a predefined installation with a simple point and click.
Configuration management	Easily manage configuration files for groups of systems. Combine with Kickstart for complete provisioning.
RPM-based application provisioning	Application-based provisioning is allowed for all RPM-based applications.
Kickstart configuration writer	Write Kickstart configuration scripts or let the product create a script based on an existing system. Enhanced features include bare metal PXE boot provisioning, integrated network install tree, and configuration management profiles.

Note: The provisioning module is required for all installations, sold with the management module.

DEPLOY, MANAGE, AND UPDATE

Red Hat Satellite increases your ability to deploy machines, update content, and securely manage your environment. The offering's flexible and scalable architecture means that you can grow along with your organization.

“Red Hat Satellite has increased the speed of our deployment processes substantially. In the past, the basic installation of a new server instance took us half a working day. Now, it's something we can do over a coffee break.”

BARDO WERUM
VICE PRESIDENT DATA CENTER
LUFTHANSA SYSTEMS AG

MONITORING

Keep track of your systems and applications from the Red Hat Satellite console. View reports that let you take action before performance becomes an issue.

System and application probes	Run checks against each system and application to monitor their performance (memory, disk usage, and network services).
Custom probes	Easily create custom checks that track valuable information about your applications.
Virtual guests	Monitor memory, disk space, and CPU usage in real time.
Probe suites	Create probe groups for fast deployment and consistency.
Notification	Send alerts when systems enter warning and critical states.
Central status	View a summarized list of all probes in a single status page, with the systems affected broken down by state.
Reporting	Generate graphs and event logs by selecting a probe and identifying the desired metric and a range of time.

Note: The monitoring module is sold separately from management and provisioning.

Average installation time: Half day

PLATFORMS

Allow your Red Hat Enterprise Linux managed systems to connect to Red Hat Satellite on-premise, rather than individually downloading packages across the Internet. With Red Hat Satellite Server, plus the optional Red Hat Satellite Proxy Server, managing your growing Linux environment is easier than ever.

RED HAT SATELLITE SERVER

Only the Red Hat Satellite Server connects with Red Hat to download updates and synchronize content. With this platform, you can even take your systems management solution entirely off the Internet.

Red Hat Satellite Server includes:

Local database repository	All information about your systems, policies, and profiles is stored locally on your infrastructure.
Complete off-network or disconnected capability	Red Hat can provide packages over the Internet or via physical media for complete network security.
Custom channels	Create custom channels for distribution of either the operating system or third-party RPM-based applications and content.
Advanced API access layer	Create scripts to automate tasks or integrate Red Hat Satellite with other IT applications or systems management tools.

Channel and errata cloning tools	Easily create, clone, or customize channels and errata (useful for staged environments).
Push to client	Administrators send packages and updates to their systems immediately, versus waiting for the system to check in.
Bare metal PXE boot provisioning	Kickstart systems in tandem with PXE boot images.*
Integrated network install tree	Store all default boot images, network install trees, and packages for Red Hat Enterprise Linux.*
Configuration management profiles	Store configuration management profiles in an integrated directory for easier deployment.*

*Requires management and provisioning entitlements

Installation time: One day. Installation through Red Hat Global Professional Services is also available for Red Hat Satellite Server.

FOR MORE INFORMATION:

Visit www.redhat.com/satellite for product information, videos, webcasts, whitepapers and more.

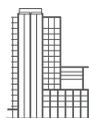
Contact Red Hat Sales for information about evaluating or purchasing Red Hat Satellite.

RED HAT SATELLITE PROXY SERVER

Cache content locally to reduce download times, lower bandwidth use, and scale globally. Add Red Hat Satellite Proxy servers to your Satellite environment to scale content distribution across many servers and multiple locations.

Individual systems connect through a local Satellite Proxy Server to communicate with your Red Hat Satellite Server. The Proxy aggregates all necessary data and performs selected tasks locally. Content is cached locally with Proxy for faster downloads, easier distribution, and lower bandwidth requirements.

Installation time: One day. Installation through Red Hat Global Professional Services is also available for Red Hat Satellite Server and Red Hat Satellite Proxy Server.



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 70 offices spanning the globe, empowering its customers' businesses.



facebook.com/redhatinc
[@redhatnews](https://twitter.com/redhatnews)
linkedin.com/company/red-hat

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