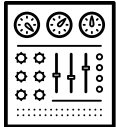# RED HAT SATELLITE 6

Red Hat Enterprise Linux system management

DATASHEET

RED HAT SATELLITE HIGHLIGHTS

- Efficiently manage the Red Hat infrastructure life cycle easily, even in air-gapped environments

- Easily create and manage instances on bare metal, virtual machines, and private and public clouds

- Quickly and easily manage configuration across thousands of systems

- Powerfully manage content across RPMs, Red Hat container hosts, containers, and Puppet modules

PRODUCT OVERVIEW

Red Hat® Satellite is a system management solution that makes Red Hat infrastructure easier to deploy, scale, and manage across physical, virtual, and cloud environments. This management tool helps users provision, configure, and update systems to keep them running efficiently, with security, and in compliance with various standards. By automating most system maintenance tasks, Red Hat Satellite helps organizations increase efficiency, reduce operational costs, and enable IT to better respond to strategic business needs.

FEATURES AND BENEFITS

Red Hat Satellite automates many tasks related to system management and easily integrates into existing workflow frameworks. The centralized console gives administrators a single location for accessing reports and for provisioning, configuring, and updating systems.

CONTENT MANAGEMENT

Red Hat Satellite helps ensure the systematic application of content, including patches, to deployed systems—on physical, virtual, or cloud infrastructures—in all stages. This approach promotes greater system consistency and availability, and it frees IT to respond more quickly to business needs and vulnerabilities.

FEATURE	BENEFIT
Content views	Content views are collections of RPMs, Puppet modules, container content, or OSTree content refined with filters and rules. They are published and promoted throughout life-cycle environments, enabling end-to-end system management.
Red Hat content delivery network (CDN) integration	Lets users control synchronization of Red Hat content straight from the user interface
Federated life-cycle management	Allows distribution and federation of provisioning, configuration, and content delivery via Red Hat Satellite Capsule Server
Streamlined content synchronization	Lets users build systems almost immediately after install while content downloads in the background

redhat.com

PATCHING

Ensure a standard operating environment (SOE) by getting updates on security patches, updates, and enhancements. In addition, quickly improve system security by patching multiple systems all at once.

FEATURE	BENEFIT
Ability to define and manage SOE	Ensure SOE by getting updates on security patches, updates, and enhancements.
Automated patching	Quickly improve system security by patching hundreds or thousands of systems all at once.
Deployment and tracking of Red Hat software and third-party software	Deploy all Red Hat infrastructure as well as third-party software by pulling out all those software bits in Satellite. Once Satellite has that content, it also keeps track of it, improving security and ensuring better tracking of what is deployed on each system.

PROVISIONING

Administrators can provision on bare metal, virtualized infrastructure, and on public or private cloud environments—all from a centralized console using one simple process.

FEATURE	BENEFIT
Provisioning on bare metal	Quickly provision and update your entire bare-metal infrastructure.
Provisioning on Red Hat Virtualization, Red Hat OpenStack® Platform, VMware, or multiple cloud providers	Easily create and manage instances across virtualized infra-structure or private and public cloud environments.
Provisioning using templates	Create complex Kickstart and Preboot Execution Environment (PXE) scenarios with powerful variables and snippets.
System discovery	Discover and search across nonprovisioned hosts for rapid deployment, even in environments where Dynamic Host Configuration Protocol (DHCP) and PXE are not available.

CONFIGURATION

Analyze and automatically correct configuration drift and control, and enforce the desired host end state, all from the Red Hat Satellite user interface. This interface lets you efficiently configure Red Hat Enterprise Linux® systems for greater agility.

FEATURE	BENEFIT
Remote execution	Automates workflows and lets users take multiple actions against groups of systems—including rebooting a system after a patch install and conducting rolling upgrades across hundreds of systems
Red Hat Insights integration	Uses advanced analytics to help detect risks, enables the creation of an Insights plan to remediate the risks and helps run Ansible® Playbooks all through the same Satellite interface
Red Hat Ansible Automation integration	Allows for remote execution, desired state management, and automation of configuration management

SUBSCRIPTION MANAGEMENT

Easily report and map your Red Hat products to registered systems for end-to-end subscription consumption visibility.

FEATURE	BENEFIT
Subscription management	Easily import and manage the distribution of Red Hat software subscriptions.
Built-in reporting engine	Report and map purchased products to registered systems within Red Hat Satellite for end-to-end subscription usage visibility.

ARCHITECTURE

Connect your Red Hat managed systems to Red Hat Satellite on-premise, rather than connecting systems directly to a Red Hat hosted solution. With Red Hat Satellite and Red Hat Satellite Capsule Server, managing your growing Linux environment is easier than ever.
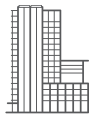
Red Hat Satellite Server

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

- Multitenancy.

- User and group role-based access control (RBAC) with external directories.

- Powerful graphical user interface (GUI), command-line interface (CLI), and application programming interfaces (APIs).

- Advanced subscription management.

Red Hat Satellite Capsule Server

Red Hat Satellite Capsule Server facilitates content federation and distribution, in addition to other localized services, including Puppet master, DHCP, Domain Name System (DNS), and Trivial File Transfer Protocol (TFTP). Satellite Capsule Server helps you easily scale Red Hat Satellite as the number of managed systems increases in your environment. It connects with Red Hat Satellite Server to enable localized systems management, including federated services and provisioning.

ABOUT RED HAT

Red Hat is the world's leading provider of open source software solutions, using a community-powered approach to provide reliable and high-performing cloud, Linux, middleware, storage, and virtualization technologies. Red Hat also offers award-winning support, training, and consulting services. As a connective hub in a global network of enterprises, partners, and open source communities, Red Hat helps create relevant, innovative technologies that liberate resources for growth and prepare customers for the future of IT.

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