



RED HAT NETWORK

Enterprise systems management



WHAT IS IT?

Red Hat Network is an easy-to-use systems management platform for your Linux infrastructure. It is built on open standards and uses an Internet-based graphical interface.

WHAT DOES IT DO?

Red Hat Network provides the tools to efficiently manage the systems on your network. It also features a modular design—as networks grow, you can add enhanced capabilities for system updates, management, and provisioning of your entire infrastructure.

WHY SHOULD I CARE?

With Red Hat Network, your business benefits from increased productivity, reduced system life-cycle costs, and enhanced security. Red Hat Network lowers deployment, configuration, and management costs. And it enhances security via a single centralized tool, secure connection policies for remote administration, and secure content.

OVERVIEW

Red Hat Network provides simple systems management for your Linux infrastructure. With its focus on open standards and scalability, Red Hat Network can help your organization increase productivity, lower costs, and enhance security.

The modular design of Red Hat Network allows you to purchase desired services for provisioning, managing, and updating your systems, giving you complete flexibility while minimizing up-front costs.

Red Hat Network services are also available through three different architectures—Hosted, Proxy, and Satellite—ensuring your organization the right level of support and functionality for whatever your company size or requirements.

Build your Red Hat Network solution around your choice of modules and architectures:

Modules	Architectures
• Update	• Hosted
• Management	• Proxy
• Provisioning	• Satellite

MODULES

UPDATE MODULE

Entry-level offering from Red Hat Network included with all subscriptions to Red Hat Enterprise Linux. Easily manage and update a single system and ensure timely access to updates from Red Hat.

Simple Web user interface: Intuitive Web interface makes your systems management easy.

Priority email notification: Get the first notifications and first availability to new errata and updates, guaranteeing your systems are up to date.

Errata information: Features a full list of all errata for user's systems, complete with versions, packages, and other important information.

RPM dependency checking: With our database of more than 1 million dependencies, you can be sure software downloads have the necessary packages to be stable for your configuration.

Auto update: A server does not have to be updated each time a new errata is administered. It will simply download and install content on its own.

MANAGEMENT MODULE

Increased management capabilities and scalability of Linux deployments in your enterprise. Features all the capabilities of the Update Module, plus the functionality needed to help your company lower costs and increase productivity immediately.

Update Module functionality: Included in purchase of Management Module.

Systems grouping: Manage a group of systems as easily as you would manage a single system.

Systems permissions: Group your systems according to your needs and then assign permissions to different administrators.

Scheduled actions: Schedule an errata update for a system or group, taking advantage of scheduled downtime for errata maintenance.

System search: Search systems or workgroups by packages, errata, or systems specifications. Our advanced search offers even more granularity.

Package profile comparison tools: Compare two systems directly against each other, or build a package profile of your own to compare against. Results let you see the differences on both machines.

Enhanced features including custom channels, local package caching, single port access, local database repository, channel cloning and management tools, channel permissions, errata cloning and management tools, and complete off-network capability are available when you upgrade to Proxy and Satellite architectures.

PROVISIONING MODULE

Manage the complete life cycle of your Linux infrastructure. Deploy, configure, manage, update, and then re-deploy your Linux systems, all from a single GUI console—complete with all the necessary enterprise functionality and controls.

Management Module functionality: Included in purchase of Provisioning Module.

Bare metal provisioning: Automatically provision a system using Kickstart to deploy OS, packages, and activation keys (groups, channels, policies and permissions) of your choice.

Existing state provisioning: Automatically provision a system to take on the state of an existing system or a predefined installation with the simple point and click.

Multi-state rollback (includes snapshot based recovery): Records the state of all of your systems every time an action is applied to them, serving as a repository for state information. Multi-state rollback allows your system to return to a previous state or configuration instantly.

Configuration management: Easily configure text files for individual or groups of systems. Combine with Kickstart actions to enable a complete provisioning action.

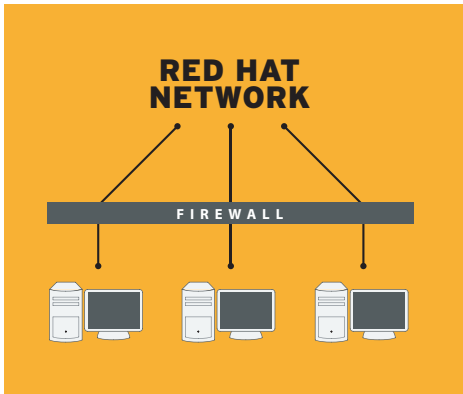
RPM-based application provisioning: More than just OS provisioning, Red Hat Network allows application-based provisioning for all RPM-based applications—completely integrated with the rest of RHN.

Kickstart configuration writer: Write Kickstart configuration scripts with our tool, or point to an existing system and have RHN create the script to provision that system.

Get enhanced features including bare metal PXE boot provisioning, integrated network install tree, and configuration management profiles when you upgrade to Satellite.

ARCHITECTURES

HOSTED MODEL



Default architecture for purchasing RHN entitlements. Each of your individual systems connects to the RHN backend via the public Internet and exchanges packages and information with the central RHN servers. Includes the following features:

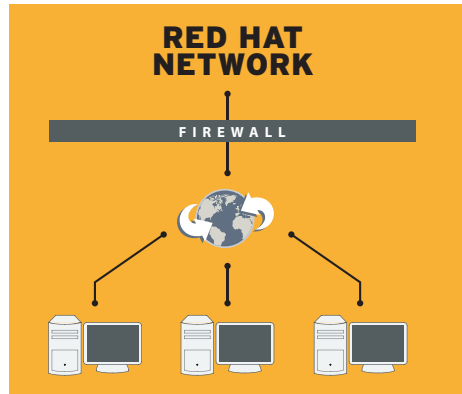
Simple Web user interface: Intuitive Web interface simplifies your systems management.

Introductory API access layer: Write command line scripts or use scripted information from other applications to easily integrate RHN into your existing infrastructure.

Hosted database repository: Information about your systems, policies, and profiles is stored and hosted by the RHN database.

Installation time: minutes (occurs during OS installation).

PROXY MODEL



Individual systems connect to an RHN Proxy hosted on your network. The Proxy aggregates all necessary data and performs selected tasks locally. It also communicates via the Internet with the central RHN servers. All information stored in the RHN database is kept on the RHN servers.

Proxy includes all the functionality of the Hosted model as well as enhanced features in the Management and Provisioning modules.

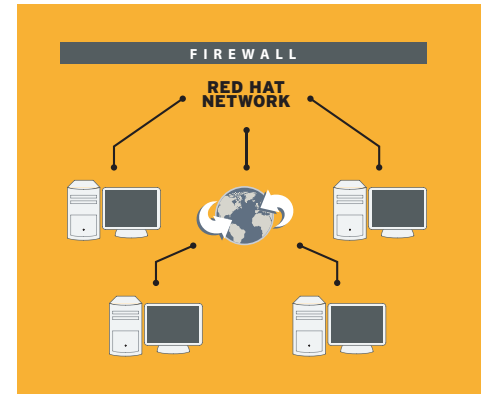
Custom channels: Create custom channels (either OS or third-party RPM-based applications) for distribution through RHN.

Local package caching: Reduces bandwidth requirements. Content is cached locally on your network for faster downloads and easier distribution.

Single port access: Manage all your outbound and inbound connections between RHN and your systems through a single system port.

Installation time: half day.

SATELLITE MODEL



All RHN functionality is stored locally on your network. The Satellite Server connects with RHN over the Internet only to download updates. This model allows you to take your RHN solution off the public Internet if desired.

Satellite includes all the functionality of the Proxy model as well as enhanced features in the Management and Provisioning modules.

Local database repository: All information about your systems, policies, and profiles is stored locally on your infrastructure.

Complete off-network capability: Red Hat can provide packages over the Internet or via physical media for complete security.

Channel and errata cloning and management tools: Easily create, clone, or customize channels and errata. Useful for staged environments.

Channel permissions: Create custom channels and assign management permissions to each of them. Distribute the maintenance of channels to different groups, while keeping security guidelines in place.

***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 Provisioning Module entitlements**

Installation time: one day.

Professional installation through Red Hat Support Services is also available for the Satellite model.

COMPLETE YOUR RED HAT SOLUTION



RED HAT ENTERPRISE LINUX

The foundation for open source computing in the enterprise.

- **Red Hat Enterprise Linux AS:**
for high-end critical systems
- **Red Hat Enterprise Linux ES:**
for small/mid-range servers
- **Red Hat Enterprise Linux WS:**
for desktop/client systems

www.redhat.com/software/rhel



RED HAT APPLICATIONS

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sales@redhat.com

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France	+33-1-41-91-23 23
Germany	+49-711-96437-0
Ireland	+353-21-230-3400
Italy	+39-02-5681-4487
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Asia/Pacific and Latin America

Australia	+61-2-8923-2800
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Japan	+81-33257-0411
Korea	+82-2-3482-6440
Malaysia	+60-12-297-5516
Singapore	+65-6271-8589

For more information about Red Hat Network: www.redhat.com/software/rhn
Or call 1-866-273-3428 x45606.