

RED HAT VIRTUALIZATION SUITE

A complete, high-performance virtualization solution with advanced management capabilities

DATASHEET



Red Hat Virtualization Suite combines the high-performance Red Hat Virtualization platform with the advanced management features of Red Hat CloudForms into a single, easy-to-deploy offering.

KEY BENEFITS

- Centralize management across federated virtualization deployments
- Gain insight and intelligence into your virtualized infrastructure
- Build a workflow for software-defined networking (SDN)
- Create automated, self-service delivery processes
- Enforce compliance with corporate and regulatory policies
- Optimize capacity planning and resource right-sizing
- Automate processes across your entire environment



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VIRTUALIZATION IS THE FOUNDATION OF THE MODERN DATACENTER

Virtualization is at the core of modern datacenters, serving as the underlying foundation for traditional, cloud-native, and container-based workloads. Through virtualization, IT organizations executing modernization initiatives can improve efficiency, free up resources, boost performance, enhance security, and cut costs. Adding to these benefits, open virtualization platforms provide more choice, flexibility, and adaptability than proprietary platforms while offering the same features and functionality at lower total cost of ownership (TCO).

VIRTUALIZE FASTER WITH RED HAT VIRTUALIZATION SUITE

Red Hat® Virtualization Suite lets you quickly and easily deploy a high-performance, enterprise-grade, open virtual environment to support modern business demands. With this solution, Red Hat brings together the leading Kernel-based Virtual Machine (KVM) hypervisor and advanced virtual machine management tools into a single, bundled offering.

- **Red Hat Virtualization** is an open, software-defined, efficient platform for virtualized Linux® and Windows workloads, built on Red Hat Enterprise Linux and Kernel-based Virtual Machine (KVM) technologies. Automated management, scaling, and security features let you build a streamlined, reliable environment for virtualized applications and cloud-native workloads. Virtual-to-virtual (V2V) conversion tooling lets you easily migrate workloads from other hypervisors. A RESTful application programming interface (API) lets you integrate Red Hat Virtualization into your existing infrastructure and easily add innovative new technologies as business requirements change.
- **Red Hat CloudForms®** is an infrastructure management platform that offers a consistent way to track costs, control resource allocation, and ensure compliance across all your networked environments. Unified, comprehensive life-cycle management of resources and services in multivendor virtualized, cloud, and container-based environments simplifies operations and reduces operational expenses (OpEx). Self-service catalogs automatically provision services and enforce policies for faster service delivery. Continuous infrastructure scanning and monitoring discovers and maps new resources and provides deep visibility into your environments.

This combination forms a complete, production-grade, simply managed virtualized environment that cost-effectively scales to your needs. Red Hat Virtualization Suite can help you regain control over costs, compliance, and resource use, reduce licensing costs, accelerate IT service delivery, and build a path to cloud—and container-based environments. Common use cases for Red Hat Virtualization Suite include:

- Server consolidation.
- Performance-sensitive workloads.
- Development and test (dev/test) environments.
- Multi-hypervisor and hybrid environments.
- Technical workstations.

FEATURES AND BENEFITS

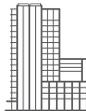
CAPABILITY	CUSTOMER BENEFIT
Open standards-based solution	Gain technology choice and innovation while reducing TCO by up to 80% compared to leading proprietary platforms. ¹
High performance	Boost performance for enterprise workloads by up to 140% and increase virtual machine density to get more from physical servers. ²
Ease of use	Simplify deployment and management of virtual machines to increase productivity and quality of service.
Centralized management	Unified management of virtualized, cloud-, and container-based environments under a single interface to improve consistency, streamline operations, and gain deeper visibility into your infrastructure.
Self-service capabilities	Provide users with self-service catalogs that quickly and automatically provision resources in compliance with policies.
Chargeback functionality	Enforce user quotas, track resource use, and allocate costs to user groups across your entire environment.
Cross-platform and product interoperability	Support Linux and Windows workloads and integrate other Red Hat and third-party solutions into your environment to meet your needs.
Cost-effective bundle subscription pricing	Reduce proprietary license costs and increase savings over individually purchased products.

¹ "Red Hat Virtualization: VMware migration." Red Hat. October 2016.

redhat.com/en/resources/red-hat-virtualization-vmware-migration.

² "Red Hat Enterprise Virtualization 3.6: Operations." Red Hat. June 2016.

redhat.com/en/resources/red-hat-enterprise-virtualization-36-operations.



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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