

RED HAT HYPERCONVERGED INFRASTRUCTURE FOR VIRTUALIZATION

DATASHEET

AT A GLANCE

- Combines the performance of Red Hat Virtualization with the power of Red Hat Gluster Storage
- Delivered in an open source subscription model, removing costly proprietary licenses, lock-in, and end-of-life functionality degradation while dramatically lowering life-cycle total cost of ownership
- Integrates seamlessly with broader Red Hat stack, including Red Hat Ansible Automation and Red Hat CloudForms
- Built from open standards and application programming interfaces (APIs) with a vibrant community of contributors
- Provides workflow integration and optimization, fault management integration, and correlation between Red Hat Virtualization and Red Hat Gluster Storage to deliver unified operations and a single-pane-of-glass management solution

PRODUCT OVERVIEW

Red Hat® Hyperconverged Infrastructure for Virtualization solves the problem of having to deploy storage separately from virtualization when resources are a factor. By using the same server hardware as both the hypervisor (host) and controller (storage), it reduces capital expenditures (CapEx), operating expenses (OpEx), and deployment time.

Red Hat Hyperconverged Infrastructure for Virtualization is an ideal solution for business-critical applications, virtualized environments, and container and tactical edge deployments. Built on Red Hat Virtualization and Red Hat Gluster® Storage, Red Hat Hyperconverged Infrastructure for Virtualization provides simplified planning and procurement, streamlined deployment and management, and a single support stack for virtual compute and virtual storage resources.

With Red Hat Hyperconverged Infrastructure for Virtualization, you can:

- Use servers as a clustered pool of integrated compute-plus-storage resources.
- Easily virtualize business applications, maximizing resource use.
- Manage integrated compute-plus-storage resources with a simplified skill set from a single management interface.

DEPLOYMENT AND MANAGEMENT

Central virtual resource management

Red Hat Virtualization Manager is a secure web-based tool that provides central management for compute, network, and storage resources. In addition to administrator access, a RESTful API extends the management and orchestration capabilities to tools such as Red Hat CloudForms®.

Security and hardening

Secure virtualization (sVirt) and Security-Enhanced Linux® (SELinux) technologies help secure and harden the hypervisor against attacks aimed at the host or virtual machines. Red Hat Virtualization Manager also supports network encryption, using transport layer security (TLS) and secure sockets layer (SSL) for authentication and authorization at both the virtualization and storage layers.

Highly available resources

Red Hat Virtualization Manager is configured for high availability. Three-way replication with Red Hat Gluster Storage protects the underlying data.

Automation and integration

Red Hat Ansible® Automation serves as a deployment automation manager and can be used extensively for the configuration of virtual resources (compute, network, storage, etc.). Additionally, Red Hat CloudForms can orchestrate and monitor events for an even more streamlined operation.



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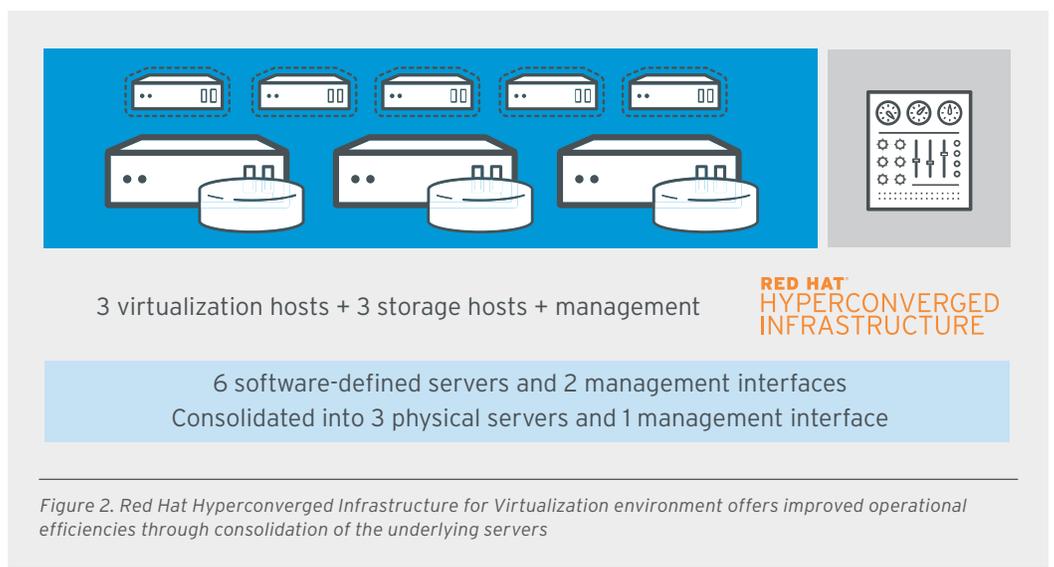
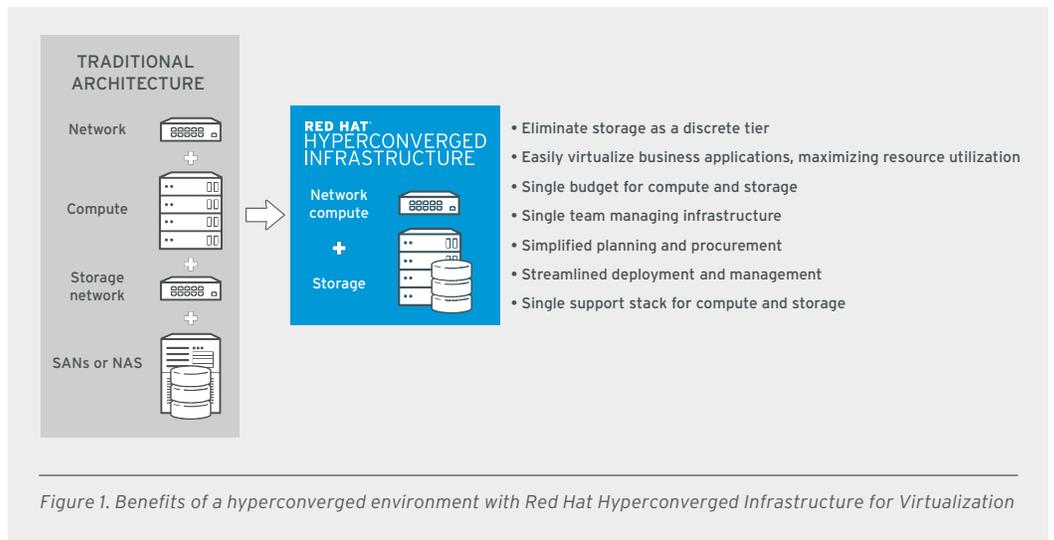
ALIGNS TO BUSINESS AND TECHNICAL GOALS FOR DECENTRALIZED I.T. REQUIREMENTS:

1. Get more IT power, flexibility, and reliability in a smaller footprint from a software-defined infrastructure.
2. Simplify operations with unified management.
3. Streamline planning, design, and procurement with a single subscription.

Support for multiple guest operating systems

Full support is provided for Red Hat Enterprise Linux 5, 6, and 7. Support is also available for Windows Server 2008, 2008 R2, 2012, 2016, and desktop systems Windows 7 and 10. SUSE Linux Enterprise Server 10, 11, and 12 are also supported.

Automation and customization	The RESTful API allows automation management and programmatic configuration for the Red Hat Hyperconverged Infrastructure for Virtualization environment.
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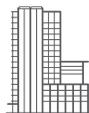
TECHNICAL SPECIFICATIONS

Recommended hardware specifications for Red Hat Hyperconverged Infrastructure for Virtualization:

MODEL*	CPU CORES	RAM (GB)	RAW CAPACITY (TB)	EST. VMs**
Starter	12	96	5.7	27
Small	24	192	11.5	54
Medium	24	384	23	108
Large	32	512	61.4	144

* Turnkey models are available through authorized Red Hat partners. Custom models are available as required. We recommend you work with a Red Hat solutions architect to determine the workload and proper sizing requirements.

** Per 3-node cluster. Based upon a larger virtual machine (VM) with 2vCPU, 8GB vRAM, and 50GB capacity with standard oversubscription and efficiency rates. Based upon VM type and workload, VM count may significantly increase or decrease.



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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