

# RED HAT VIRTUALIZATION INFRASTRUCTURE STORAGE FOR REMOTE AND BRANCH OFFICES

BROCHURE

## THE CHALLENGE

In banking and retail industries, remote and branch offices often deploy business-critical applications on local server and storage infrastructures. However, these offices often face challenges like limited budget and space, lack of skilled IT staff, and complex infrastructure management issues.

Many remote and branch offices deploy technologies such as virtualization to offset some of these challenges. At the same time, bankers and retailers are striving to deliver a better customer experience through use of rich multimedia at their locations. This increases the burden of managing the rapid growth of unstructured data, ensuring high availability, and protecting data and applications in disaster recovery scenarios.

## THE SOLUTION

Red Hat now offers an open, converged virtual and storage infrastructure solution, Red Hat® Virtual Infrastructure Storage, that delivers maximum resilience, agility, and cost savings for remote and branch offices. Based on open source technologies and delivered as a software-only solution, this powerful solution prevents vendor lock-in while supporting business-critical applications—without compromising on service-levels or cost.

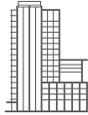
Red Hat Virtual Infrastructure Storage comprises two key products:

- Red Hat Enterprise Virtualization, which enables customers to centrally and effectively manage their entire virtual environments, including virtual datacenters, clusters, hosts, guest virtual servers, networking, and storage. Fully featured with high availability, live migration, and other advanced virtualization features, it's designed for maximum efficiencies, availability, and serviceability.
- Red Hat Storage Server, an open, software-defined storage solution, is designed for massive scalability, high availability, and resiliency while enabling global access to data across physical, virtual, and cloud environments. It's designed to work seamlessly with industry-standard x86 commodity servers and virtual machines (VMs), and provides customers with choice, flexibility, operational efficiencies, and significant cost savings.

Red Hat Virtual Infrastructure Storage can be deployed on a wide range of standardized x86 hardware, leaving you free to choose your hardware vendor. Red Hat gives you access to the industry's best hardware platforms, providing a wide variety of solutions with no vendor lock-in.

## RED HAT VIRTUAL INFRASTRUCTURE STORAGE FOR REMOTE AND BRANCH OFFICES

A typical Red Hat Virtual Infrastructure Storage configuration for a remote and branch office deployment consists of a simple 4-node configuration that can seamlessly scale to meet desired capacity, performance, and availability requirements. This solution can also be deployed on compact, dual-node server configurations under a single chassis, which are currently available from various hardware suppliers. The dual-node server configurations further reduce server and storage footprint, lower power consumption, and provide superior processing capabilities in high-density compact configurations.



## 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.

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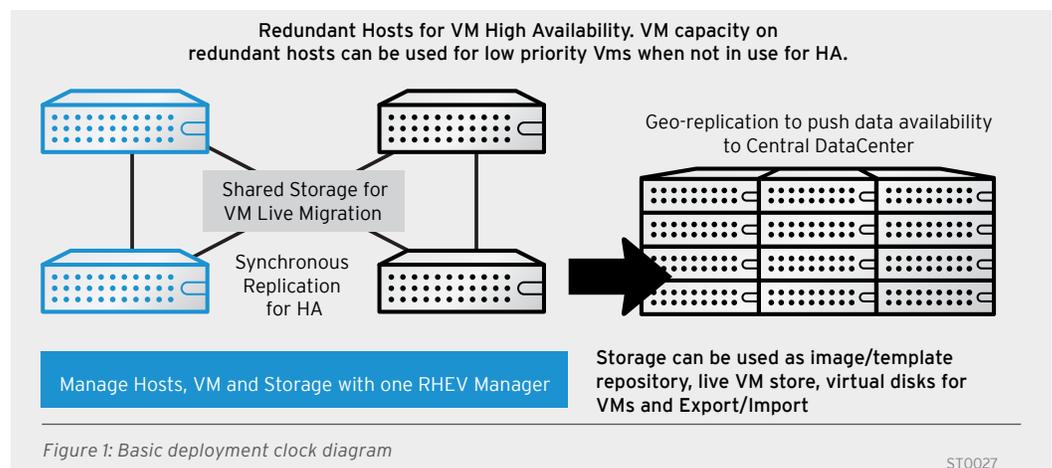
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In a remote and branch office deployment, customers using Red Hat Enterprise Virtualization for server virtualization can store VM images on the less-expensive, scale-out Red Hat Storage Server. Doing so completely eliminates dependency on expensive SAN infrastructures, while significantly reducing staff training costs, operational complexities, and maintenance overhead.

In addition, the deployment can be centrally managed through a converged virtualization and storage management console provided by Red Hat Enterprise Virtualization Manager for visibility into and control over storage and virtual infrastructures. The lower total cost of acquisition as a result of the reduced server and storage footprint, operational complexities, and maintenance overhead help remote and branch offices save on both capital and operational expenditures.



## BENEFITS

Red Hat Virtual Infrastructure Storage provides the following benefits for remote and branch offices:

- **Agility:** Install the open, software-only converged infrastructure solution on your commodity x86 hardware of choice that can be used for compute, storage, and hosting applications.
- **Converged manageability:** Both storage and virtual infrastructures can be managed from a centralized, unified dashboard using the Red Hat Enterprise Virtualization Manager console.
- **Reduced server and storage footprint:** Install the solution on high-density, compact commodity servers that transform into storage pools. No additional servers or complex SAN infrastructures are needed.
- **High availability:** Achieve high availability and high levels of data protection and resiliency through the self-healing, synchronous, and asynchronous data replication features of Red Hat Storage Server.
- **Easy installation and deployment:** Deploy in hours, not days or weeks.
- **Scalability:** Seamlessly scale storage and server resources to meet the demands of business growth, without disruption.
- **Community innovation:** Connect to a constant stream of innovation through the open source communities of GlusterFS for Red Hat Storage Server and oVirt for Red Hat Enterprise Virtualization. Capitalize on emerging technologies and gain a competitive advantage by innovating at the pace of your business.