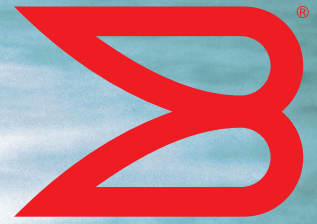


BROCADE AND TINTRI VM-AWARE SOLUTION



DATA CENTER

Evolving Storage and the Network to Meet the Demands of Virtualization

HIGHLIGHTS

- Provides efficient, resilient, and scalable networking and storage infrastructure for virtualized environments
- Features high performance and capacity scaling based on virtualized application requirements
- Delivers consistent performance for critical, on-demand applications
- Enables unprecedented performance and ease of use with VM-aware storage designed and optimized specifically for virtualization
- Meets the requirements of demanding enterprise workloads without the cost or complexity of general-purpose storage solutions

The benefits of virtualization, which contribute to the optimization and greater utilization of resources, also includes new challenges. Often, organizations that move to virtualized environments are still relying on storage systems that weren't designed with the flexibility and ease of deployment and management that a virtualized data center requires. As a result, these organizations are forced to sacrifice efficiency and deployment time for the agility and cost advantages that virtualization offers. The conventional storage model, which maps virtual machines to LUNs or volumes, requires significant planning and limits ongoing flexibility once deployed. This static architecture not only creates complexity, it also hinders an organization's ability to cost-effectively evolve to meet dynamic business needs.

Traditional storage systems and legacy networks that weren't designed to meet the demands of virtualized environments and the growth in bandwidth-intensive applications can impact the performance of the mission-critical applications that enterprises depend upon daily. Attempts to address latency and application performance have included over-provisioning, however this solution also

introduces increased costs and doesn't solve the need for the scalability, speed, and resilience required by virtualized environments.

Enterprises need a storage and networking solution that is easy to deploy and user-friendly, while also enabling the ability to support application performance and evolve as the environment scales.

THE TINTRI AND BROCADE VCS FABRIC TECHNOLOGY SOLUTION

Together, Brocade and Tintri provide a dynamic networking and storage solution that responds in real time to virtualized enterprise needs. Designed to meet the demands of virtualized environments, the joint solution pairs the networking intelligence of Brocade® VCS® Fabric technology with Tintri's intelligent, purpose-built storage.

Brocade VCS Fabric technology, delivered on Brocade VDX® Switches, is designed to enable the highest levels of Ethernet fabric automation, resilience, and investment protection for storage environments. VCS Fabric technology solves the latent limitations of data center networks based on classic Ethernet, resulting in a fabric

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that is self-forming and self-aggregating by design. When two or more Brocade VCS Fabric mode-enabled switches are connected, the fabric is automatically created, and the switches discover the common fabric configuration, enabling real-time scaling. The fabric is automatically aware of all members, devices, and VMs, and if the VM moves from one Brocade VCS Fabric port to another Brocade VCS Fabric port in the same fabric, the port profile is automatically moved to the new port. Any switch can fail or be removed without causing disruptive fabric downtime or delayed traffic. Brocade fabrics are self-aware and self-healing, and if any traffic pattern is disrupted in the fabric, the fabric will automatically redirect the traffic, mitigating any disruption to application uptime.

Only Brocade delivers enterprise agility through automated, zero-touch VM discovery, configuration, and mobility. VCS Fabric technology enables the migration to a fabric-based design without disrupting existing data center network architecture, while low latency and the industry's lowest power consumption switches reduce costs and improve performance. Brocade delivers the reliable performance and network protection that enables the Software-Defined Data Center and, together with Tintri VMstore™, helps eliminate over-provisioned and siloed resources that limit an organization's ability to reap the benefits of virtualization.

Tintri VMstore does for storage what virtualization has done for servers: it enables organizations to overcome the complexity, performance, and cost obstacles that prevent infrastructure virtualization. Tintri VMstore is the first and only VM-aware storage solution designed exclusively for virtual machines (VMs), addressing the limitations of traditional shared storage solutions that require complex configuration and specialized knowledge, and are cost-prohibitive to deploy in virtual environments.

With Tintri VMstore, administrators get simple, fast storage and can focus on managing VMs, not LUNs or volumes. Tintri VMstore appliances run the Tintri OS, an operating environment designed to accelerate virtualization, delivering VM and vDisk-level management and monitoring. The Tintri OS intelligently and cost-effectively leverages both flash and traditional disk-based storage to provide unparalleled performance for thousands of VMs while also providing per-VM replication functionality that radically reduces administrative work for planning, monitoring, and making data protection policy changes.

The Brocade and Tintri solution enables enterprises to meet the demands of mission-critical applications and workloads with networking and storage that delivers the performance, flexibility, and scalability that virtualized environments require.

LEARN MORE

Brocade partners with companies of all sizes to deliver innovative solutions that help organizations maximize the value of their most critical information. To learn more, visit www.brocade.com/alliance.

ABOUT BROCADE

Brocade networking solutions help organizations transition smoothly to a world where applications and information reside anywhere. Innovative Ethernet and storage networking solutions for data center, campus, and service provider networks help reduce complexity and cost while enabling virtualization and cloud computing to increase business agility. Learn more at www.brocade.com.

ABOUT TINTRI

The pioneer of VM-aware storage, Tintri develops storage solutions for the software-defined-data-center (SDDC). Co-founded by Dr. Kieran Harty, who led engineering at VMware for seven years, Tintri was designed from the ground up specifically to make storage for virtualization work better. Easy to run in any production environment, Tintri scales globally to meet the demands of virtualized applications with manageability and visibility at the VM level, flash performance at disk prices, and racked in systems that require a fraction of the typical data center footprint. Learn more at www.tintri.com.

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