BROCADE AND NIMBLE STORAGE SOLUTION

DATA CENTER

Simply and Cost Effectively Scale Storage and the Network to Meet Escalating Performance Demands

HIGHLIGHTS

- Scale performance and capacity flexibly and without disruption for increased availability

- Deliver speed consistently for critical, on-demand applications

- Reduce costs and improve performance with low latency, flash-optimized hybrid storage and the industry's lowest power consumption switches

- Leading automation offers superior investment protection while simplifying storage and network management

As organizations consolidate applications and increase virtualization to reduce costs and improve uptime for greater business continuity, they also need to meet the subsequent performance demands for storage and the supporting network, as well as escalating data protection requirements and operational overhead.

However, traditional storage systems and supporting networks can be time-consuming to deploy and manage, hindering the ability to scale and introducing management complexity. Organizations are challenged to deploy a storage and networking solution that can scale flexibly to meet capacity and availability requirements while also being simple to manage and operate.

THE NIMBLE STORAGE AND BROCADE VCS FABRIC TECHNOLOGY SOLUTION

Together, Brocade and Nimble Storage can accelerate application performance and accommodate growth with a joint solution that delivers flexibility and simplicity. The proven Brocade® and Nimble Storage solution delivers comprehensive efficient storage with leading performance. Built upon Brocade VCS® fabric technology and flash-optimized, hybrid Nimble Storage, the joint solution enables organizations to meet

the management, storage, and networking infrastructure optimization challenges for both the enterprise and the IT staff.

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 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.

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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 predictable performance and network protection to fully take advantage of the higher throughput/IOPS Nimble Storage provides.

Nimble Storage combines flash technology and high-capacity disks in a unique flash-optimized hybrid architecture to deliver one of the industry's most efficient storage systems. The solutions cost-effectively and non-disruptively scale to independently meet specific capacity and performance requirements.

The flash-optimized hybrid Nimble Storage arrays are engineered from the ground up for maximum efficiency without sacrificing performance acceleration. Built on the patented Cache Accelerated Sequential Layout (CASL™) architecture, which enables faster write performance with optimized data layout, the solution eliminates disk latencies such as bottlenecks, while maintaining consistent performance as the array's capacity utilization increases. With universal in-line compression, data storage is reduced by thirty to seventy percent.

The industry's first flash-optimized storage system is capable of delivering two to five times better performance than traditional storage. With the ability to accelerate performance for higher throughput/IOPS and sub-millisecond latencies and empower IT with simplified management, Nimble Storage is ideal for storing critical applications such as Microsoft Exchange, Microsoft SQL Server, server virtualization, and VDI.

Data protection capabilities include instantaneous snapshot capabilities for frequent backups, tight integration with applications and virtualization solutions to ensure easy-to-recover backups, and efficient replication for affordable and verifiable disaster recovery and centralized backup. Nimble Storage arrays integrate data protection, eliminating the need for separate storage solutions, and simplify data replication for offsite DR and archiving.

Nimble Storage also delivers features such as efficient zero-copy cloning for test and development environments—improving time to market. And Nimble Storage's InfoSight goes well beyond the traditional support model by leveraging data sciences and the cloud to proactively keep storage operating at peak efficiency, and with virtually no downtime.

Virtualization and application consolidation are driving even greater performance demands on storage and networks. Brocade and Nimble Storage provide a joint solution that not only delivers the high availability and consistent performance that critical applications require, but also simplifies deployment and management and creates a more operationally efficient and cost-effective environment.

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 NIMBLE STORAGE

Nimble Storage believes enterprises should not have to compromise on performance, capacity, ease of use, or price. Nimble has developed the first hybrid storage architecture engineered from the ground up to seamlessly integrate flash and high-capacity drives. Our customers enjoy as much as 10x faster application performance, enhanced backup and disaster recovery, and stress-free operations—all while lowering their TCO. Nimble Storage solutions are available through a global network of world-class channel partners. Learn more at www.nimblestorage.com.

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