

Brocade's Vision

Helping you transition smoothly
to a world where information and
applications reside anywhere



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Brocade Ecosystem

Providing investment protection and best-of-class choice
for highly virtualized networks

HYPERVISOR

vmware

Hyper-V

Xen

ORACLE

SERVER

IBM

DELL

hp

ORACLE
Sun
microsystems

FUJITSU

NETWORK

BROCADE ONE ARCHITECTURE

SECURITY

symantec.

McAfee

RSA
The Security Division of EMC

STORAGE

EMC²

IBM

NetApp

hp

HITACHI
DATA SYSTEMS

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Threats to Data Are Everywhere



Lightning triggers outages



Quake severs network link



Fire shuts down power grid

Acts of Nature



Vandals disrupt Silicon Valley



Anchor shuts down Middle East

Acts of Stupidity

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Business Continuity and Disaster Recovery

Protect more critical data

- Business challenges
 - Unprecedented growth of data and network traffic
 - Escalating requirements for reliability and availability
 - Rising infrastructure and operational costs
- Business requirements
 - Reduce the risks of local disaster scenarios
 - Minimize the impact of outages and disasters
 - Maximize infrastructure scalability and flexibility
 - Reduce costs and improve efficiency



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Business Continuity and Disaster Recovery Solution needs...

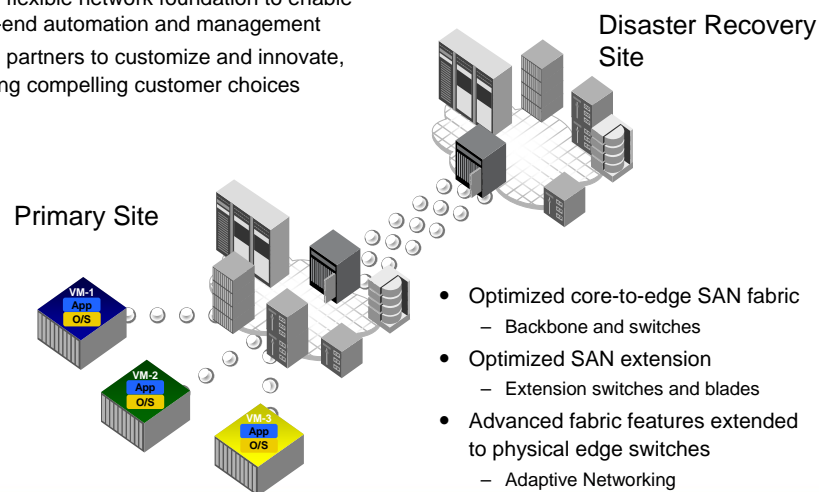
- Eliminate single points of failure to increase system resiliency and maximize data availability
- Incorporate failover software to prevent or better tolerate system outages
- Streamline data backup and recovery processes to reduce the time to recovery
- Enable high-performance remote backup, electronic vaulting, and mirroring at data centers separated by great distances
- Comply with corporate regulatory compliance requirements



Optimized Core Fabric with SAN Extension

Move more data faster and further than ever before

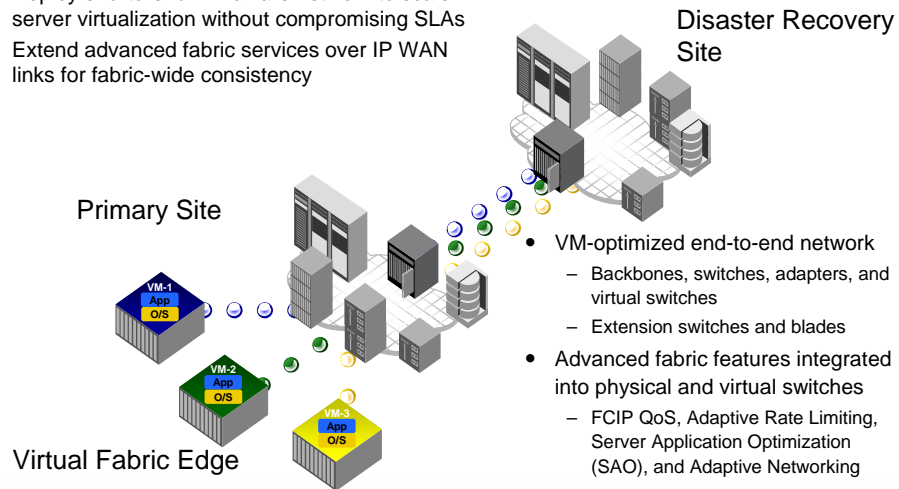
- Deploy flexible network foundation to enable end-to-end automation and management
- Enable partners to customize and innovate, providing compelling customer choices



End-to-End Optimized Fabric

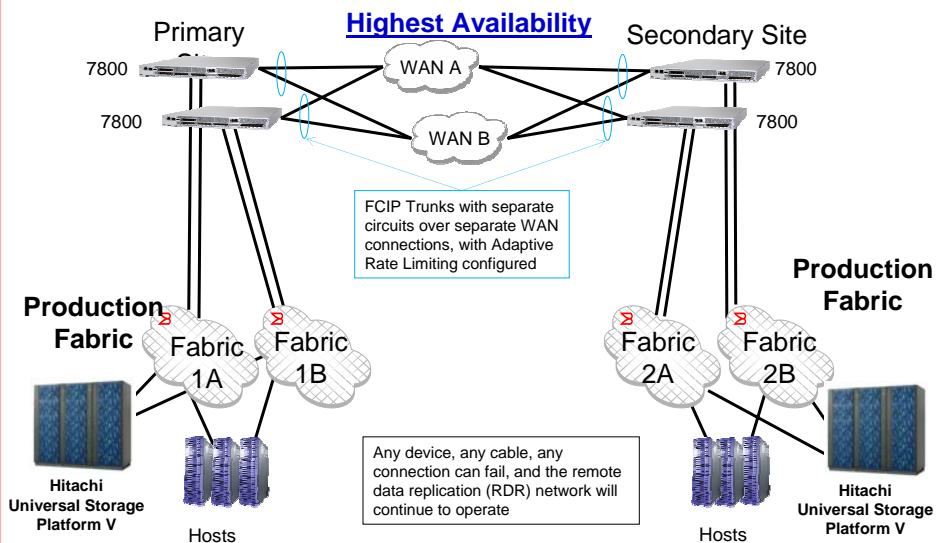
For tomorrow's virtual data center

- Deploy end-to-end VM-aware network to scale server virtualization without compromising SLAs
- Extend advanced fabric services over IP WAN links for fabric-wide consistency



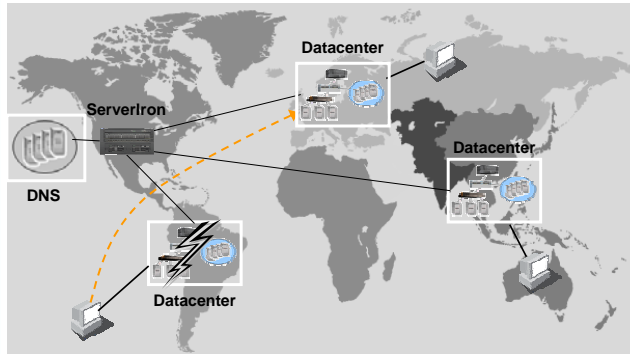
High Availability – Remote Connectivity

Redundant Devices with Dual Data Replication Networks



Using Global Server Load Balancing

Multi-Site Redundancy with Enhanced Performance



Global DC Deployment Issues

- Handling site failures transparently
- Providing best site selection per user
- Leveraging both DNS and non-DNS solutions for multi-site redundancy
- Providing disaster recovery and non-stop operation

ServerIron GSLB Solution

- GSLB controller works with local ServerIron to load balance global datacenter traffic
- Incorporates site health, load, user proximity, and service response for user site selection
- Provides transparent site failover in case of disaster or service outage
- Supports route health injection using OSPF/BGP when DNS cannot easily be employed



Why Brocade GSLB for Business Continuity?

- With VMotion and Storage VMotion driving application mobility within and across multiple data centers, it becomes essential to assure application availability from the front end across those same multiple data centers
- Brocade is the only ADC vendor to build GSLB into it's L4-7 switches to balance elements, infrastructure, servers, and applications on a global basis, coupling back-end recovery solutions with front-end client connectivity to assure global business continuity from front-to-back



Thank You!

