

BROCADE ENTERPRISE FABRIC CONNECTIVITY MANAGER ENTERPRISE



STORAGE AREA NETWORK

Drive Efficiencies and Reduce Costs

HIGHLIGHTS

- Manager-of-managers architecture for centralized management of multiple remote SANs through a single pane of glass, driving efficiencies and reducing costs
- End-to-end visualization of the extended SAN, including routers, switches and extension, providing a holistic view and facilitating configuration and asset tracking
- Unmatched scalability to manage growing fabrics with fewer licenses, reducing capital and operating costs
- Powerful yet easy-to-use client-server application that enables you to view, configure and zone Brocade switches and directors, as well as remotely add, remove or modify interconnected devices, simplifying administration and management
- Support for the latest features across Brocade's broad director and switch product portfolio, including 4 and 10 Gbit/sec interfaces for maximum application performance and throughput, Open Trunking to optimize data flows and reduce ISLs, Open VSANs and SAN LPARs for superior network segmentation and security
- Industry leading support for FICON mainframe environments, including FICON CUP, NPIV and FICON CUP zoning

Brocade® EFCM Enterprise is a powerful and comprehensive SAN management application that is ideal for large, multi-fabric or multi-site SANs. It helps companies consolidate, optimize and protect their storage network to lower costs, meet data protection requirements and improve service levels. Unlike other fabric management software, Brocade EFCM delivers the ease of use, scalability, global visualization and intelligent automation to dramatically reduce administration time and costs.

Brocade EFCM Enterprise enables centralized management of your global SAN, reducing the complexity and cost of storage network management. With enterprise-class reliability, proactive monitoring/alert notification and unprecedented scalability, Brocade EFCM Enterprise helps companies optimize resources, maximize availability and throughput and ensure security of their storage network infrastructure.

SOLUTIONS

Business Continuity: Today's requirements for regulatory compliance, business continuity and data availability often require data to be routed or replicated to multiple remote locations. Managing a routed or extended SAN infrastructure requires unique management tools and capabilities, including management support for FC routing devices, iSCSI gateway and FC over IP extension solutions. In addition to Brocade EFCM Enterprise, Brocade offers the Advanced SAN Routing option, giving customers the ability to configure and manage these routing and extension products as an integrated component of their global SAN, through a single pane of glass.

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Advanced Functionality: For many customers, Brocade EFCM Enterprise provides everything required for effective storage network management. But for some, advanced capabilities with sophisticated monitoring, automation and security management are needed. To meet the needs of these customers, Brocade offers the Advanced Module, providing the following additional capabilities:

Proactively measures and graphs real-time and historical SAN performance against user-defined thresholds, identifying bottlenecks and under-utilized links. Export reports to facilitate capacity planning.

Reduces administrative time by enabling you to customize and automate actions based on pre-determined rules in response to defined events or schedules.

Streamline and improve quality of administrative tasks by performing repetitive changes to device groups—rather than one at a time.

Security policy management, security-centric reporting and logging, and a mediated secret management system, increasing control and security of the SAN.

Software Solutions: Management Solutions augment the functionality of Brocade EFCM to help you address the challenges of SAN management. These cost-effective packages bundle together the advanced tools and capabilities you need to optimize and secure your SAN so it can stand up to the rigors of today's enterprise storage requirements. Management Solutions are available for SAN Optimization, SAN Security, Enterprise – Open Systems and Enterprise – and Mainframe, meeting the management needs of all storage network environments.

MAXIMIZING SAN INVESTMENTS

Brocade and its partners offer complete SAN solutions to meet a wide range of technology and business requirements. These solutions include education and training, support, service, and professional services to help optimize SAN investments. For more information, contact an authorized Brocade sales partner or visit www.brocade.com.

Supported Server/Client Operating Systems

Windows XP Professional SP2, 2003 Server R2, 2000 Professional SP4

Solaris 9, 10

Linux:

- Red Hat 9.0, kernel 2.4.20
- Red Hat ES version 3, kernel 2.4.21

Qualified Brocade Firmware Versions

E/OS Classic 7.0-9.x

E/OSn 6.0-9.x

E/OSi 4.4-4.8

E/OSq 5.2.2 (QLogic Blade Switch for HP Blade Server)

E/OSq 5.5.1 (QLogic Blade Switch for IBM Blade Server)

E/OSq 5.2.3 (QLogic Blade Switch for Dell Blade Server)

Minimum Server Configuration (Windows Systems)

Intel Pentium4 Processor 2GHz

1 GB RAM memory

16MB graphics card

40GB hard drive

56K, v.92 data/fax modem PCI

24/8X CD-RW/DVD combo drive

10/100 Mb/s Ethernet LAN card; two cards required if fabric is hosted on private network

Microsoft Windows 2000 Service Pack 4

The above configuration is consistent with the current Brocade 1U SP.

Recommended Server Configuration (Windows Systems)

Intel Pentium4 Processor 3GZ, 800MHz FSB

2GB DDR-400 SDRAM memory

32MB VGA graphics card, or 8MB VGA graphics, with additional access to system memory

60GB ATA-100 IDE hard drive (7200 RPM)

56K, v.92 data/fax modem PCI

48/32X CD-RW/DVD combo drive

10/100/1000 Mb/s Ethernet LAN card; two cards required if fabric is hosted on private network

Microsoft Windows 2003 Server, Standard Edition

The above server configuration is required for Open VSANs.

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