



Product Bulletin:

Brocade Data Center Fabric Manager (DCFM) – DCFM Professional, DCFM Professional Plus, DCFM Enterprise

Revision History

September 28, 2008 - Initial version

November 23, 2009 – Updates to include DCFM Pro Plus

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This product bulletin informs NetApp sales and NetApp partners about new or changed NetApp® products or services.

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1. Summary

This product bulletin announces the availability of Brocade Data Center Fabric Manager (DCFM) – Professional Plus edition.

Brocade Data Center Fabric Manager manages and secures the flow of data across multiple fabrics from a central view. There are three versions of the DCFM software:

- **DCFM Professional.** Free, does not require a license. Can manage one fabric, consisting of no more than 10 switches.
- **DCFM Professional Plus.** Requires a license. Supports up to four different fabrics with no more than 60 switches.
- **DCFM Enterprise.** Requires a license. Supports up to 24 fabrics with 120 switches.

2. What's New?

Brocade has enhanced their network management portfolio with a new addition to their Data Center Fabric Manager portfolio: DCFM Professional Plus. DCFM Professional Plus is intended for mid-sized organizations or departments. It shares a common architecture with Brocade DCFM Enterprise and provides a seamless upgrade path for growing environments.

3. Sales and Customer-Ready Tools (Training, SE, Customer Presentations, Datasheets, Sales Guides)

- [NetApp Sales](#)

4. System Requirements

Supported Operating Systems

- Microsoft® Windows® 2003 Server, XP, Vista®, and 2008 Server
- Red hat Enterprise Linux® ES 4, AS 4, 5, and 5 Advanced Platform
- SUSE Linux Enterprise Server 10
- VMware® ESX Server 3 and 3.5
- Sun™ Solaris™ 10

Hard Drive Storage

	DCFM Pro	DCFM Pro Plus	DCFM Ent (1-2000 ports)	DCFM Ent (2000 – 5000 ports)	DCFM Ent (5000 – 9000 ports)
Server/Client	2.5GB	5GB	7GB	7GB	40GB
Client	N/A	500MB	500MB	1GB	2GB

The DCFM software will not be listed in the NetApp Inter-op Matrix.

5. Product Information

Brocade Data Center Fabric Manager is a comprehensive network management application that enables unified management of data center fabrics. It manages and secures the flow of data across multiple fabrics, empowering organizations to achieve their goals related to SLAs, security, and compliance while containing their operating expenses.

Brocade DCFM Enterprise and DCFM Professional Plus provide scalability and performance to maximize data availability. In addition, they feature easy-to-use administration tools that streamline or automate repetitive tasks, enabling enhanced levels of productivity and efficiency.

Brocade DCFM Enterprise configures and manages the Brocade DCX Backbone, while both editions support the Brocade DCX-4S Backbone along with other Brocade directors, routers, switches, HBAs, and CNAs.

Brocade DCFM tightly integrates with Brocade FOS to leverage features such as Advanced Performance Monitoring, Fabric Watch, and Adaptive Networking services.

Brocade DCFM Enterprise and DCFM Professional Plus seamlessly manage multiple data center fabrics to help optimize performance and maximize the availability of data and networked resources. They use leading-edge capabilities to:

- Monitor, troubleshoot, diagnose, and provide proactive event notification about critical fabric health information at varying levels of detail
- Configure quality of service (QoS) priorities for applications running on physical and virtual servers to optimize performance for high-priority applications
- Collect and display performance statistics in real time and use historical views for proactive problem determination
- Enable organizations to capture, back up, and compare switch configuration profiles through advanced replication capabilities
- Automatically collect support data and trigger Call Home notifications for easier fault isolation, diagnosis, and remote support operations
- Provide proactive alerts with real-time logging, diagnostic, and fault isolation capabilities to resolve issues before they affect SLAs
- Integrate management of Brocade HBAs and CNAs across multiple fabrics from a central location
- Obtain virtual machine information from VMware ESX servers and correlate with fabric device information to

simplify the management of virtualized environments

The following table compares the feature sets of DCFM Professional, DCFM Professional Plus, and DCFM Enterprise.

Feature	DCFM Professional	DCFM Professional Plus	DCFM Enterprise
Number of Fabrics	1	4	24
Type of Fabrics Supported	FOS	M-EOS, FOS, Mixed	M-EOS, FOS, Mixed
Number of Ports	1000	2560	9000 (FOS); 5000 (M-EOS/Mixed)
4 and 8 Gbps Switches	●	●	●
Brocade 8000/FCOE10-24	●	●	●
Brocade 7800/FX8-24	●	●	●
Brocade 48000 Director	●	●	●
Brocade DCX-4S Backbone	●	●	●
HBA Management	●	●	●
Virtualization Support	●	●	●
Encryption (BES/FS8-18)	●	●	●
Real-Time Performance	●	●	●
Historical Performance	●	●	●
DBMS (ODBC and JDBC)	●	●	●
Partner Software Integration	●	●	●
Role Based Access Control (RBAC)	●	●	●
Brocade DCX Backbone	●	●	●
FICON	●	●	●

DCFM Enterprise Highlights

- Centralizes management of Brocade fabrics within and across data centers, including those with different protocols
- Supports server virtualization, including visualizing and setting QoS levels for applications running on virtual machines
- Reduces expenses and maximizes productivity by automating tasks and providing easy-to-use, wizard-driven operations
- Administers SLAs via industry-leading monitoring, troubleshooting, diagnostics, and event notification capabilities
- Secures data flow from applications to storage across data center fabrics by managing user access controls and making security settings consistent
- Delivers real-time and historical performance monitoring to enable proactive problem diagnosis, maximize resource utilization, and facilitate capacity planning

The following table lists the software part numbers.

Part Number	Description	Discount Category Code
SW-BSW-DCFM-ENT-QS	Brocade DCFM, Enterprise Base	J
SW-BSW-DCFM-ENT-UPG	Brocade DCFM, Enterprise Upgrade	J
SW-BSW-DCFM-PLU-M	Brocade DCFM Professional Plus with 1 Year Support	C
SW-BSW-DCFM-PLU-UPG	Brocade DCFM Professional Plus Upgrade	C

SW-SSP-BRCD-DCFM-ENT	Brocade DCFM, Enterprise Base, SSP	S
SW-SSP-BRCD-DCFM-ENT-UPG	Brocade DCFM, Enterprise Upgrade, SSP	S
SW-SSP-BRCD-DCFM-PLU	Brocade SSP, DCFM Professional Plus	C

Brocade Encryption Products

DCFM Enterprise is highly recommended for BES and FS8-18 encryption products from Brocade. While there are some basic encryption features in DCFM Professional and DCFM Professional Plus, DCFM Enterprise is the best and recommended solution for managing encryption products. Upgrade licenses are available to upgrade from DCFM Professional and DCFM Professional Plus.

Downloading

To download software, go to [NOW Download Software](#).

Product Availability

DCFM Professional Plus release date is December 14, 2009. All other versions of DCFM were available prior to that date.

6. Regulatory Compliance

Products need to be validated against the NetApp Safety/EMI Regulatory Compliance List prior to order submission. The list is available at PartnerCenter Compliance Information. This is required to ensure that products are being sold only in the countries in which NetApp has received regulatory compliance certification.

7. Warranty and Service

Standard software service via NetApp SupportEdge Service is available for all versions of DCFM.

8. Additional Information

[See product page.](#)

Contact Information: Please contact your NetApp sales or channel partner representative with questions concerning this bulletin.