

BROCADE DCF SERVICES



PROFESSIONAL SERVICES

Improving Management in Data Center Environments

HIGHLIGHTS

- Provides a robust data center architecture to meet current and future requirements
- Advises enterprises on how to consolidate, migrate, or expand existing data center environments
- Optimizes performance and helps maximize data and system availability
- Minimizes impact on users during the data center infrastructure assessment, design, and implementation phases
- Leverages Brocade expertise and best practices to reduce the time, cost, and risk of implementing high-performance solutions
- Frees up technical staff to focus on core business activities

Today's IT organizations continue to face many challenges in managing their increasingly dynamic business environments. In particular, they must be able to manage growing amounts of data, support consolidation efforts, increase asset utilization, and overcome budget constraints. Because these challenges significantly impact Data Center Fabric (DCF) environments, organizations require a reliable strategy to achieve optimization and the highest possible ROI.

As the industry's leading data center networking solutions provider, Brocade® offers comprehensive services to help organizations assess, design, implement,

and transform their DCF environments. Based on years of practical experience and best practices developed in a wide range of multivendor environments, these services are designed to align with key business requirements while minimizing the impact and cost to the entire organization.

Brocade DCF Services include:

- Assessment Services
- Design Services
- Implementation and Management Services
- Management Tool Services

BROCADE

ASSESSMENT SERVICES

Assessment Services provide baseline information to accurately scope work, determine risks, and establish an engagement plan within particular technical constraints. These services focus on diagnosing the performance, reliability, manageability, and scalability of the entire DCF environment. Whether organizations need to expand, consolidate, integrate, or migrate their Brocade M-Series or B-Series environments to newer and more advanced equipment, Brocade can provide expert assessment and design assistance. Brocade identifies problem areas, evaluates their potential impact, and recommends improvements. These services include:

- DCF Workshop
- DCF Assessment
- DCF HealthCheck

DCF Workshop

This service is designed to educate organizations about best practices for operating and managing their environments. As part of this service:

- A Brocade expert will describe available products, strategies, architectures, health monitoring, and support services.
- Brocade will analyze the existing environment, assess the overall performance, and provide a four-hour interactive training session on a selected topic.

DCF Assessment

This service is designed to determine the overall effectiveness of an environment. As part of this service:

- A Brocade expert will gather key business and technical requirements, document the history of the environment, and help define an ongoing strategy.
- Brocade will assess the design, growth potential, effectiveness, and risk areas within the current environment.
- Brocade will propose best practices to help optimize existing environments, including ways to consolidate, migrate, or expand those environments.
- Brocade will provide a detailed report, an executive presentation, documentation of operational processes, an up-to-date SAN Health™ report, recommendations for improvement, and methods to implement best practices.

DCF HealthCheck

This service provides a health check to help ensure efficient operations. As part of this service:

- A Brocade expert will analyze the health of the environment, identifying items such as the logical and physical topology, device inventory, zoning, bandwidth utilization, and monitoring capabilities.
- Brocade will present the findings to key stakeholders and provide recommendations for improvement as well as methods to implement best practices.

DESIGN SERVICES

Design Services focus on minimizing complexity and introducing best practices to optimize environments for current and future requirements. The goal is to transform a tactical operation into a strategic infrastructure that improves efficiency, flexibly supports change, and is highly manageable.

DCF Design

This service focuses on creating a strategic, best-in-class environment. Brocade provides several design options based on factors such as budget, ability to introduce the latest products, and desire to leverage existing assets. As part of this service:

- A Brocade expert will analyze the current environment and develop a preliminary design that includes device naming, zoning architecture, device connection strategy, and topology.
- Brocade will provide design options for leveraging the existing infrastructure, introducing a partial technology refresh or performing a significant technology refresh.
- Brocade will present its findings to key stakeholders, discuss each option, and provide recommendations for a final design that is tailored to unique organizational requirements.

IMPLEMENTATION AND MANAGEMENT SERVICES

Implementation and Management Services help organizations install, connect, and manage their environments in the most efficient manner. All of the services are designed to minimize the time, cost, and risk of deployment and management. Brocade assesses the current environment, detailing the project scope and prerequisites, the operational impact, resource utilization, and the risk/mitigation plan. Upon completion of the implementation, Brocade documents the new environment. These services include:

- Brocade DCX®, Director, and Switch Implementation Service
- FICON® Implementation
- DCF Migration

Brocade DCX, Director, and Switch Implementation Service

This service is designed for organizations that need assistance installing Brocade data center backbones, directors, and switches into new or existing Brocade Fabric OS® (FOS) fabrics or existing M-EOS fabrics.

As part of this service:

- A Brocade expert will configure each device based on best practices and specific environmental needs to ensure that the device is ready for implementation.
- As appropriate, Brocade will upgrade the Fabric OS level.
- Brocade will install the data center backbone, director, or switch and validate zoning, functionality, and required components.

FICON Implementation

This service is designed to connect mainframe systems with DCF environments through the FICON protocol. As part of this service:

- A Brocade expert will review the storage and mainframe infrastructure, the replication capabilities, and the types and number of hosts that need to be attached.
- Brocade will design, implement, and validate the solution—migrating direct-attached FICON links to Brocade devices, configuring the FICON hardware and software, and establishing functional FICON links.

DCF Migration

When organizations want to consolidate environments or move from one environment to another—including vendor changes—Brocade can plan, execute, and verify the migration. As part of this service:

- Brocade will identify the supported migration path and potential levels of disruption.
- Following best practices, Brocade will assess the source environment and develop a plan for migrating devices.
- Brocade will manage the interoperability between fabrics to ensure a smooth migration.
- Brocade will validate the functionality of the new environment.

MANAGEMENT TOOL SERVICES

Ongoing monitoring and management are critical to optimizing DCF environments. The following services are designed to help organizations implement and utilize Brocade and third-party management tools:

- Brocade Data Center Fabric Manager (DCFM™) Implementation
- Brocade DCFM Migration Services
- SNMP Configuration
- RADIUS Configuration

Brocade DCFM Implementation

This service is designed to centralize management for multiple Storage Area Network (SAN) and DCF environments, enabling organizations to monitor and maintain their SANs as part of their regular operations. As part of this service, Brocade will install DCFM, then connect and configure the devices to centralize management.

Brocade DCFM Migration

This service is designed for migrating existing Brocade Fabric Manager or Brocade Enterprise Fabric Connectivity Manager (EFCM) environments to DCFM. As part of this service, Brocade will install DCFM, identify all devices to be monitored, migrate the existing data, configure all zones, and verify the migration.

SNMP Configuration

This service evaluates SAN and systems management in DCF environments in order to configure the Management Information Base (MIB). As part of this service, Brocade will configure traps for monitoring based on specific service level requirements, and provide comprehensive testing to ensure production readiness.

RADIUS Configuration

This service configures RADIUS wherever it is needed. As part of this service, Brocade will configure up to 12 new or existing devices in a single data center and provide comprehensive testing to ensure production readiness.

MAXIMIZING INVESTMENTS

To help optimize technology investments, Brocade and its partners offer complete solutions that include education, support, and services. For more information, contact a Brocade sales partner or visit www.brocade.com.

Corporate Headquarters

San Jose, CA USA
T: +1-408-333-8000
info@brocade.com

European Headquarters

Geneva, Switzerland
T: +41-22-799-56-40
emea-info@brocade.com

Asia Pacific Headquarters

Singapore
T: +65-6538-4700
apac-info@brocade.com

© 2009 Brocade Communications Systems, Inc. All Rights Reserved. 01/09 GA-DS-972-01

Brocade, the B-wing symbol, BigIron, DCX, Fabric OS, FastIron, IronPoint, IronShield, IronView, IronWare, JetCore, NetIron, SecureIron, ServerIron, StorageX, and Turbolron are registered trademarks, and DCFM, Extraordinary Networks, and SAN Health are trademarks of Brocade Communications Systems, Inc., in the United States and/or in other countries. All other brands, products, or service names are or may be trademarks or service marks of, and are used to identify, products or services of their respective owners.

Notice: This document is for informational purposes only and does not set forth any warranty, expressed or implied, concerning any equipment, equipment feature, or service offered or to be offered by Brocade. Brocade reserves the right to make changes to this document at any time, without notice, and assumes no responsibility for its use. This informational document describes features that may not be currently available. Contact a Brocade sales office for information on feature and product availability. Export of technical data contained in this document may require an export license from the United States government.

**BROCADE**