

# BROCADE DATA CENTER VIRTUALIZATION SERVICES



## PROFESSIONAL SERVICES

## Optimizing Data Center Virtualization

### HIGHLIGHTS

- Leverages Brocade in-depth expertise in VMware and shared storage to help IT organizations fully exploit the benefits of virtualization
- Provides end-to-end data center virtualization services for unified management and maximum effectiveness
- Optimizes application and fabric performance, using virtualization best practices to meet required service levels
- Improves data protection and security in virtualized environments, helping to support compliance and business continuity objectives
- Optimizes utilization of server and storage resources, reducing costs and enabling growth
- Guarantees resources to even the most resource-intensive applications through advanced, policy-based provisioning for virtual machines
- Enables the transformation to a dynamic, next-generation data center infrastructure to meet current and future requirements

In today's dynamic business environment, most organizations are looking to leverage virtualization technologies to help them consolidate resources, reduce costs, and improve management for their server and storage infrastructures. But in doing so, many organizations fail to consider the overall impact of virtualization on the data center—thereby opening the door to degraded application performance, inadequate data protection, and increased management complexity. As a result, they are unable to meet SLAs, achieve compliance, or meet data growth requirements.

As the industry's leading data center networking solutions provider and experts in VMware, Brocade® offers Data Center Virtualization Services to help optimize application and fabric performance, improve data protection, and unify management across entire virtual data center environments. Through these services, Brocade helps organizations:

- Design a best-in-class server virtualization environment with flexibility for future growth
- Optimize performance to address increased data traffic and the dynamic nature of virtualized server environments
- Implement best practices for mapping virtual machines to storage resources for different applications in order to realize the highest application performance

- Adapt new approaches for data protection to help achieve compliance and limit exposure to security risks
- Deploy centralized, policy-driven fabric management to automate and simplify the administration of virtual environments

Brocade Data Center Virtualization Services include:

- Server Virtualization Assessment Services
- VMware Infrastructure HealthCheck
- Data Center Fabric (DCF) Assessment Services
- Data Center Virtualization Design Services
- Server Implementation Services
- DCF Implementation Services
- Data Center Virtualization Transformation Services

### Server Virtualization Assessment Services

This service assesses the current environment and business requirements to prepare for a full rollout of VMware virtual infrastructure, including cost considerations and potential savings. As part of the assessment, Brocade experts will meet with key stakeholders to understand the current state of operations, business challenges, technical requirements, and future direction.

# BROCADE

Brocade will install data collection tools to gather system and performance data. For Windows servers, Brocade will use VMware Capacity Planner Data Manager. Based on the results, Brocade experts will present their findings (including preliminary total cost of ownership), discuss recommendations, and provide a formal server consolidation and virtual assessment report.

### VMware Infrastructure HealthCheck

This service helps ensure that organizations are maximizing the value of their virtualization investments. It provides insight about performance and actionable recommendations for many areas of the data center—such as servers, networks, and storage. As part of this service:

- A Brocade expert will conduct an assessment of the VMware virtual environment using VMware Virtual Infrastructure Methodology (VIM) to validate the current environment.
- Brocade will work with IT staff to review the architecture, operations, and business objectives.
- Brocade will present findings, recommendations, next steps, and a formal health report.

### DCF Assessment Services

This service is designed for organizations that want to leverage their existing SAN infrastructure with their new server virtualization environment and take advantage of next-generation fabric services with their existing virtual environment.

Designed to determine the overall effectiveness of an environment, this service focuses on diagnosing the performance, reliability,

manageability, and scalability of the entire DCF environment—creating baseline information to accurately scope work, determine risks, and establish an engagement plan. 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, and risk areas within the current environment.
- Brocade will provide a detailed report, documentation of operational processes, an up-to-date SAN Health report, recommendations for improvement, and methods to implement best practices.

### Data Center Virtualization Design Services

This service provides several design options for leveraging existing infrastructure and performing a partial or significant technology refresh. The design will cover key areas such as server and storage virtualization requirements, data center fabric hardware, distance extension, data migration, data protection, and data security.

### Server Implementation Services

This service provides expertise in installing, integrating, and testing VMware environments. As part of this service, Brocade experts will provide comprehensive project planning and integration expertise based on best-practice methodologies. Brocade will test the functionality of the solution and document the virtualization environment so that IT staff can assume responsibility of the project.

### DCF Implementation Services

This service provides installation assistance for new Brocade data center backbones, directors, and switches. As part of this service:

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

### Data Center Virtualization Transformation Services

This service is designed to transform existing infrastructures into next-generation virtual data center environments to meet current and future requirements—while minimizing costs and protecting existing investments. As part of this transformation, an onsite Brocade Resident Consultant—a Trusted Advisor who is a Brocade Certified Engineer and VMware Certified Professional—will be onsite during the transformation initiative, from assessment and architecture design through implementation.

During the assessment and design phase, Brocade will conduct hands-on planning, design a solution, and implement the virtual infrastructure to transform an existing SAN into a next-generation data center fabric. Brocade will also provide a knowledge transfer to IT staff.

### 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](http://www.brocade.com).

#### Corporate Headquarters

San Jose, CA USA  
T: (408) 333-8000  
[info@brocade.com](mailto:info@brocade.com)

#### European Headquarters

Geneva, Switzerland  
T: +41 22 799 56 40  
[emea-info@brocade.com](mailto:emea-info@brocade.com)

#### Asia Pacific Headquarters

Singapore  
T: +65-6538-4700  
[apac-info@brocade.com](mailto:apac-info@brocade.com)

© 2008 Brocade Communications Systems, Inc. All Rights Reserved. 08/08 GA-DS-1221-00

Brocade, Fabric OS, File Lifecycle Manager, MyView, and StorageX are registered trademarks and the Brocade B-wing symbol, DCX, 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**