

BROCADE MAINFRAME STORAGE I/O HEALTHCHECK



PROFESSIONAL SERVICES

Improve Mainframe Storage Management and Analysis

HIGHLIGHTS

- Analyze the benefit/impact of moving to new disk or tape technology
- Understand the performance requirements for migrating to FICON devices
- Obtain more detailed disk or tape data to optimize application performance
- Determine the performance impact of merging, splitting, or moving workloads or making other configuration changes
- Analyze the impact of added capacity, infrastructure expansion, and remote copy/replication over distance
- Leverage best practices to reduce the time, cost, and risk of building high-performance solutions
- Free up technical staff to focus on core business activities

To keep their businesses running efficiently, today's IT organizations need to maintain optimal performance in their mainframe storage infrastructures. Accomplishing this goal requires detailed information about that infrastructure, especially as organizations consider introducing new technologies and applications.

For instance, these organizations often need more information to understand how they can implement more effective capacity planning, or what kind of performance improvements to expect in advance of a migration to FICON®. They also need additional performance data to better manage and analyze their storage environments.

For years, organizations have relied on RMF and SAS reports to understand how well their mainframe storage environments are performing. While these tools are important and provide critical performance data, they do

not always provide the detailed metrics and statistics for optimizing storage environments. In addition, analysis and correlation of the data often require considerable expertise, coding, and report writing.

Leveraging years of practical experience, Brocade® has developed a comprehensive service to analyze the overall state of mainframe storage environments. The Brocade Mainframe Storage I/O HealthCheck Service includes data collection, analysis, and best-practice operational recommendations that enable organizations to proactively manage their mainframe environments. This service is designed to align with key business requirements while minimizing the impact and cost to the entire organization.

BROCADE MAINFRAME STORAGE I/O HEALTHCHECK SERVICE

Leveraging their unique industry experience, as well as unique data collection and analysis tools, Brocade mainframe experts can help organizations optimize their mainframe infrastructures.

The Brocade Mainframe Storage I/O HealthCheck Service features a software tool that collects detailed performance statistics from disk and/or tape devices, including read and write performance measurements, I/O response times, I/O rates over time, tape throughput, the number of scratch or specific tape mounts, exchange rates, PAV activity, and more. It includes the following activities:

- A Brocade mainframe expert will meet with organizational staff to determine current challenges and strategic objectives.
- Brocade will collect the needed information from systems and personnel.
- Brocade will analyze the data and develop a comprehensive report that summarizes the environment—including graphs for I/O rates, response times, and throughput.
- Brocade will present the findings in a report that provides quantifiable data and recommendations to address specific challenges.

KEY BENEFITS

Brocade can help organizations implement specific initiatives—including planning, deploying, and managing a new or upgraded mainframe solution. Understanding that not all environments are the same, Brocade offers two options for this service.

The first option is a fixed-price offering for small to medium-sized mainframe environments that fit within the following scope:

- Five host LPARs
- 100 TB of DASD
- 50 tape drives/three automated libraries or virtual tape subsystems
- 560 switch ports

For larger environments, Brocade can develop a customized statement of work.

MAXIMIZING INVESTMENTS

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

Corporate Headquarters

San Jose, CA USA
T: (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

© 2008 Brocade Communications Systems, Inc. All Rights Reserved. 04/08 GA-DS-1034-01

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