

BROCADE HOST CONNECTIVITY MANAGER

SERVER CONNECTIVITY

Simplifying Fibre Channel HBA Management

HIGHLIGHTS

- Centralizes the configuration and management of Brocade Fibre Channel Host Bus Adapters (HBAs) on local or remote hosts
- Provides an easy-to-use graphical interface and a powerful Command Line Interface (CLI) for scripting and task automation
- Automatically scans storage networks to discover visible storage resources and identify target Logical Unit Numbers (LUNs)
- Simplifies navigation with a graphical tree view, providing fast access to managed host HBAs, ports, and target storage resources
- Provides a cross-platform management solution with broad operating system and hypervisor support
- Manages N_Port ID Virtualization (NPIV) V_Ports for use by Virtual Machines (VMs) and applications
- Utilizes port beaconing for easy identification of HBA ports and link beaconing to identify the switch ports connected to the HBA

As today's Storage Area Networks (SANs) grow in both size and complexity, IT organizations face unique management challenges. To help them address this issue, Brocade offers an innovative solution that can save time and effort by streamlining a wide range of management tasks.

Brocade® Host Connectivity Manager (HCM) is an easy-to-use software application for configuring, monitoring, and troubleshooting Brocade-supported Host Bus Adapters (HBAs) in growing SAN environments. Brocade HCM management capabilities are designed to increase productivity and efficiency, helping IT administrators manage increasingly complex infrastructures. This approach directly translates to reduced operating costs and improved Total Cost of Ownership (TCO).

SIMPLIFIED MANAGEMENT

Brocade HCM enables server administrators to quickly configure Brocade HBAs (locally or remotely) and to perform common monitoring and management tasks. It provides both an easy-to-use Graphical User Interface (GUI) and a powerful Command Line Interface (CLI) for scripting and task automation.

Because Brocade HBAs and switches share the same scripting engine, administrators can write powerful scripts to automate end-to-end SAN configuration tasks and to verify and enforce compliance with enterprise policies. For additional flexibility, all operations performed with the GUI can also be scripted through the CLI.

CENTRALIZED ADAPTER MANAGEMENT

Brocade HCM automatically scans the SAN environment to discover visible storage resources and identify target Logical Unit Numbers (LUNs). A simple-to-use tree view provides fast access to the managed host HBAs, ports, and target storage resources (see Figure 1). In addition, event notifications provide asynchronous notification of various conditions and problems through a user-defined event filter.

The HBA management software supports diagnostics, enabling administrators to test the adapters and the devices to which they are connected.

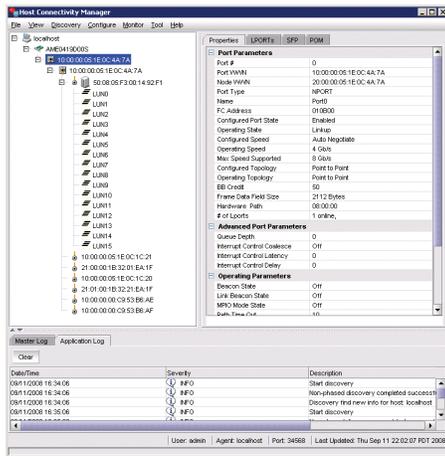


Figure 1. Brocade HCM simplifies HBA and SAN management with easy-to-understand graphical views of connected devices.

INTEGRATED MANAGEMENT

In addition to centralizing adapter management, administrators can launch Brocade HCM from within Brocade Network Advisor. Brocade HCM is tightly integrated with Brocade Network Advisor, expanding the unique capabilities of Brocade HCM to the entire SAN environment. In addition, Brocade Network Advisor provides comprehensive management of data center fabrics—from configuration and monitoring to management of Fibre Channel SANs. This includes zoning and end-to-end visualization spanning HBAs, CNAs, storage, and SAN fabrics.

Brocade Network Advisor reduces Total Cost of Ownership (TCO) through features such as customizable dashboards and historical data visibility. In addition, seamless configuration capabilities such as wizard-based configuration, integrated SAN diagnostics, policy monitoring, bottleneck detection, FICON® Port Decommissioning, and Boot LUN Zoning improve business agility.

Both applications provide open APIs and standards-based interfaces for integration with popular third-party applications and higher-level frameworks to help orchestrate Brocade hardware and SAN services. Together, these applications provide unified, end-to-end management across data center fabrics with Brocade Fibre Channel switches and HBAs.

BROCADE GLOBAL SERVICES

Brocade Global Services has the expertise to help organizations build scalable, efficient cloud infrastructures. Leveraging 15 years of expertise in storage, networking, and virtualization, Brocade Global Services delivers world-class professional services, technical support, and education services, enabling organizations to maximize their Brocade investments, accelerate new technology deployments, and optimize the performance of networking infrastructures.

MAXIMIZING INVESTMENTS

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

SUPPORTED OPERATING SYSTEMS, CPU ARCHITECTURES, AND HBAs FOR BROCADE HCM

Specifications	
Operating System	<ul style="list-style-type: none"> Windows Server 2003 (x86, x64, IA64) Windows Server 2008 (x86, x64, IA64) Windows Vista (x86, x64) Windows XP (x86, x64) SLES 9/10 (x86, x64, IA64) RHEL 4/5 (x86, x64, IA64) Solaris 10/11 (x86, x64, SPARC) VMware ESX
CPU Architecture	<ul style="list-style-type: none"> Intel (IA32, IEM64T, IA64) AMD (x86, 64) SPARC
HBA	All Brocade Fibre Channel HBAs

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