

Hitachi Resource Manager™ Utility Package for Hitachi TagmaStore® Modular Storage Systems

Hitachi Resource Manager™ utility package comprises the core management tools that enable you to take advantage of the full power of your Hitachi TagmaStore® Adaptable Modular Storage and Workgroup Modular Storage systems.

Resource Manager Utility Package—Enabling the Full Hitachi Storage Feature Set

Bringing out the best of Hitachi storage, Resource Manager utility package enables essential functions for the management and optimization of individual Hitachi storage systems. It provides both a Web-accessible graphical management interface and a command line interface (CLI) to allow ease of storage management. It also contains tools for SNMP integration with enterprise management systems.

Resource Manager utility package is used to map security levels for SAN ports and virtual ports, for inter-array path mapping and RAID-level configurations, for LUN expansion, and for Hitachi Data Retention Utility LUN configurations (with “write once, read many” or WORM capabilities).

This software package can be installed in either Microsoft Windows or UNIX environments, and it is required to reap the advantages of the full feature set that Hitachi storage systems offer.

Benefits

Manage Your Hitachi Storage System Easily

- Simplifies storage visualization and allocation with an easy-to-use graphical interface
- Runs locally or remotely via secure HTTP access and password protection
- Enables efficient deployment of storage resources to meet business and application needs

Share Consolidated Storage Securely

- Lets you safeguard your information by restricting storage access at the port level and providing secure domains for application-specific data

Optimize Physical Disk Use for Cost Savings

- Provides an immediate view of available storage and current usage
- Allows tailoring of LUN size to match fixed data exactly for improved capacity utilization and performance

Optimize Overall Storage System Performance

- Assists workload balancing and troubleshooting of performance problems
- Accelerates application performance by locking key data into cache in real time
- Allows tuning to minimize unnecessary I/Os, logical device contention, and operating system queuing

Intermix Open Systems Storage

- Allows storage system configuration for mixed Microsoft, UNIX, and Linux environments (plus many other platforms), simplifying administrative work and enabling storage consolidation

Integrate with Enterprise Management Systems

- Uses industry-standard SNMP interfaces to make Hitachi storage systems visible to enterprise management systems such as HP Open View, IBM® Tivoli, and CA-UniCenter

Application Optimized Storage™ Solutions Enable Continuous Operations

To Hitachi Data Systems and members of the Hitachi TrueNorth™ Channel Partner Program, optimizing the advantages of Hitachi storage begins with enabling an unparalleled feature set that improves management, performance, security, cost savings, and more. In modular storage environments, Resource Manager utility package represents efficiency and expanded storage capabilities—protecting your data and your business via Application Optimized Storage™ solutions that ensure business continuity, competitive efficiency, and ease-of-use. Complementary solutions from Hitachi Data Systems include:

Complementary Solutions

- Hitachi HiCommand® Dynamic Link Manager software
- Hitachi ShadowImage™ In-System Replication software
- Hitachi TrueCopy™ Synchronous software
- Hitachi TrueCopy Extended Distance software
- Hitachi Performance Monitor software
- Hitachi HiCommand Tuning Manager software
- Hitachi HiCommand Storage Services Manager software

Resource Manager Utility Package— Components and Capabilities

Resource Manager utility package for Adaptable Modular Storage and Workgroup Modular Storage systems provides the following integrated components and capabilities:

- :: Hitachi Storage Navigator program** obtains system configuration and status information and sends user-requested commands to the storage systems. This program also serves as the integrated interface for all other Resource Manager components. Included Java agents enable you to run Storage Manager software from most browsers.
- :: LUN Management software** streamlines configuration management processes by allowing you to define, configure, add, delete, expand, revise, and reassign LUNs to specific paths without having to re-boot your storage system.
- :: SAN Security software** helps ensure security in open systems storage area networking environments through restricted server access.
- :: Hitachi Cache Residency Manager feature** allows you to “lock” and “unlock” data into cache in real time to optimize access to your most frequently accessed data.
- :: Hitachi Cache Partition Manager feature** allows partitioning of the cache by the application to improve performance.
- :: LUN Migration software** enables dynamic data migration (available late 2006).
- :: SNMP Agent support** includes Hitachi specific MIBs and enables SNMP-based reporting on status and alerts for Hitachi storage systems.

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