

Hitachi HiCommand® Tuning Manager Software

As an advanced reporting and analysis tool, Hitachi HiCommand Tuning Manager software enables performance monitoring and capacity forecasting for Hitachi storage systems.

Proactive Monitoring, Reporting, and Forecasting of Storage Resources

Traditional storage resource management practices can be labour-intensive and inefficient, which often impacts productivity and puts the most important corporate asset—information—at risk. Hitachi HiCommand® Tuning Manager software is an automated, intelligent, and path-aware storage resource management tool that maps, monitors, analyses, and reviews storage network resources from the application to the storage device. Through an intuitive, Web-based interface, Tuning Manager software facilitates predictive trending to forecast storage requirements and meet service-level agreements (SLAs).

Because Tuning Manager software seamlessly integrates with key business applications, such as Oracle, IBM® DB2®, Microsoft SQL Server, and Microsoft Exchange, it can be an ideal solution for companies with large storage infrastructure environments that require consolidated storage resource management procedures.

Tuning Manager software improves storage performance and capacity management to maximise storage utilisation and reduce total cost of ownership.

Business Benefits

Improve Business Agility

- Speeds the identification and resolution of performance or capacity problems
- Proactively monitors performance; provides alerts of potential issues before they become problems
- Enables surveyed resource analysis; drills down to problem area for quick resolution
- Supports faster application deployment through planning and forecasting of adequate storage resources

Enable Operational Excellence

- Improves IT processes through enhanced reporting and forecasting
- Realizes performance excellence by monitoring resources from the application to the storage platform
- Delivers automated multilevel alerts when utilisation and/or performance reach critical thresholds
- Maintains performance excellence by identifying the sources of bottlenecks

Mitigate Risk

- Enhances ability to meet SLAs
- Eliminates storage capacity overruns
- Prevents outages via advanced forecasting and multilevel alerts

Reduce Operational and Capital Costs

- Enables more effective use of administrative resources through better forecasting and monitoring

Business Solutions

Hitachi Data Systems and its Hitachi TrueNorth™ Channel Partners offer industry-leading technology to help organisations of all sizes meet their unique requirements for business continuity, regulatory compliance, and data recovery. Together, we provide cost-effective storage products and solutions that leverage world-renowned Hitachi global R&D resources to deliver performance, availability, and scalability—supporting business-critical applications and strengthening competitive advantage.

Integrated with HiCommand Tiered Storage Manager and HiCommand Device Manager software, Tuning Manager enables performance management and capacity utilisation on all Hitachi storage systems and Sun StorageTek 99xx series systems. Please see the “Complementary Solutions” sidebar for additional products and services that complement Tuning Manager software.

- Empowers personnel to make better decisions
- Improves planning processes; allows better allocation of storage resources
- Enables more storage resources to be managed than ever before

Feature Highlights

End-to-end Storage Resource Management

- Provides multilevel mapping and reporting on storage resources
 - Applications: database > table space > datafile
 - Server: network > WAN > LAN > subnet > server
 - Path: multipath software and switch
 - Storage: port > LUN > parity group
- Monitors SAN-fabric performance
- Monitors application and storage system response times
- Enables creation of integrated storage management scripts

Performance and Capacity Planning

- Monitors, reports, and forecasts on both capacity and performance metrics
- Analyses storage requirements from the application perspective; performs both linear and nonlinear forecasting
- Employs multilevel capacity and performance alerts for proactive storage resource monitoring
- Generates predefined and easily customisable storage reports

Freedom of Choice

- Reports on environments that use VERITAS Volume Manager and VERITAS File System software
- Provides view of performance/capacity data from Oracle, DB2, SQL Server database, and Exchange applications
- Provides path performance metrics using HiCommand Dynamic Link Manager software and VERITAS DMP
- Offers switch performance metrics on Brocade and McDATA switches as well as Sun StorageTek 99xx series
- Hitachi HiCommand Storage Services Manager software—acts as the main console for Hitachi heterogeneous storage infrastructure management software

Complementary Solutions

Software

- Hitachi HiCommand Tiered Storage Manager software—enables IT administrators to easily and nondisruptively match application quality of service requirements to heterogeneous storage assets.
- Hitachi Server Priority Manager software—prioritises server port access; allows a single storage system to limit I/O activity of non-critical application servers; and prioritises production server performance to meet SLAs.
- Hitachi Volume Migration software—allows the workload to be balanced by removing performance bottlenecks on Hitachi enterprise storage systems via nondisruptive automatic or manual migration.
- Hitachi HiCommand Device Manager software—is an optimised platform that can stand alone to centrally manage, configure, and monitor Hitachi storage systems as well as Sun StorageTek 99xx series.
- Hitachi HiCommand Storage Services Manager software—acts as the main console for Hitachi heterogeneous storage infrastructure management software.

Services from Hitachi Data Systems Global Solution Services

- Implementation Service for Hitachi HiCommand Tuning Manager Software
- Performance Services
- Additional Implementation and Consulting Services

Please contact Global Solutions Services for more information regarding these services.

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DISK-453-06-QE DG February 2007