Get a health check for your Hitachi storage system or achieve a specific objective with the Storage Assessment Service from Hitachi Data Systems. Recommendations that emerge from this evaluation can help you more efficiently manage your storage environment.

Storage Assessment Service

Improve Storage Performance and Utilization of Hitachi Hardware

Keeping your Hitachi storage system operating at peak efficiency can help your organization improve productivity, meet service-level objectives and increase return on investment (ROI). However, inevitable changes in your storage environment can impact storage efficiency. By monitoring data from your Hitachi storage systems, Hitachi Data Systems Global Solution Services (GSS) consultants can give you the advice you need to:

■ Place compatible workloads within a storage system.
■ Improve storage response times for interactive workloads.
■ Improve storage throughput for batch workloads.
■ Understand storage usage cycles and application I/O profiles.

Get the Data You Need to Understand Storage System Health and Effectively Manage Your Environment

The Storage Assessment Service from Hitachi Data Systems is a 1-time or semiannual recurring service designed to achieve a specific objective. Most commonly, that objective is a storage system health check, but it can also be to provide the pre-work for a new layout, data migration or capacity plan.

The Storage Assessment Service remotely delivers an initial evaluation of your Hitachi storage system’s resource utilization and throughput, and uses software provided by GSS to collect configuration and I/O traffic. A Hitachi Data Systems consultant will create a presentation along with preliminary recommendations. The typical data collection period is 1 month. This allows time to establish a clear traffic baseline and reveal normal load cycles and the presence of exceptional traffic conditions.

Improve Efficiencies With Recommended Storage Deployment Practices

While the Storage Assessment Service can be performed with a large number of different objectives, an assessment of storage deployment is the most common request. A standard storage assessment:

■ Evaluates the proximity of observed activity to recommend activity capacity limits.
■ Reviews alignment of deployed storage with your service objectives, GSS-recommended storage deployment practices observed in the Hitachi storage system’s configuration, and the observed I/O traffic.
■ Presents a bullet-point analysis, a set of charts, and configuration tables with a summary of analysis findings.
■ Presents a written narrative report of the bullet-point analysis.
■ Includes recommendations on how to improve the ability of the Hitachi storage system to service its assigned workload and on customer alignment with GSS-recommended storage deployment practices.
The Datamart Makes Data Available to Hitachi Data Systems Consultants Anywhere in the World

Hitachi Data Systems assists you with the installation of a data collection tool that runs on your server. The software collects detailed configuration and I/O traffic data from the storage system. The analysis data is then compressed, encrypted and automatically transmitted via the Internet to a datamart at a Hitachi Data Systems data center.

The datamart processes the data and makes it available to Hitachi Data Systems consultants anywhere in the world via the Hitachi Data Systems intranet and the Internet. In the event your data fails to arrive when it is expected, datamart personnel will proactively contact you and assist you in restoring the operation of data collection and reporting.

Optimize Productivity of Your Existing Storage Infrastructure

An annual or semi-annual evaluation of your Hitachi storage system provides the preliminary information you need to get top performance and storage utilization from your Hitachi storage system. The Storage Assessment Service will help you meet your objectives and attain the following benefits:

- **Baseline monitoring.** An initial assessment of storage resource utilization and throughput creates a baseline health check, which allows for trend-line monitoring over time.

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**STORAGE ASSESSMENT SERVICE BENEFITS**

The Storage Assessment Service evaluates storage use over a limited engagement, based on your specific objectives, so you can:

- Increase ROI from your Hitachi storage hardware investment.
- Achieve real-world performance improvements.
- Identify storage usage cycles and application profiles.
- Maximize the utilization of your systems.
- Take control of your storage systems and act before trouble starts.
- Meet your service-level objectives, without adding new storage capacity.

- **Service-level agreement improvements.** The service seeks to identify current and potential bottlenecks without requiring the purchase of new or additional storage systems.
- **Enhanced ROI.** The service seeks to optimize productivity of the existing storage infrastructure, without requiring you to purchase additional storage.

Take the Next Steps

To learn more about how Hitachi Data Systems can help you meet your storage management goals, please contact your local Hitachi Data Systems representative or visit us at www.hds.com/services.