

Hitachi Virtual Server Reporter Software, Powered by Aptare®

Hitachi Virtual Server Reporter software, powered by Aptare, illuminates virtualized server environments and correlates virtual machines to your heterogeneous storage resources. Improve management and planning of storage used by virtual servers to increase efficiency and reduce costs.

Hitachi Virtual Server Reporter – Storage Reporting for Your Virtual Servers without the Need for Host-based Agents

The growth of virtual servers with their respective operating systems and applications often results in inefficient utilization of shared network resources. With the lack of insight into the virtual server infrastructure, adequate capacity and performance of networked storage can be a concern as new virtual machines or applications are deployed. Proper storage management and planning can be further challenged when heterogeneous storage resources are present.

Hitachi Virtual Server Reporter software provides the required insight into the virtualized server environment to allow correlation between the virtual machines and their respective use of networked storage. As the number of virtual machines grows on the hosted physical servers, proper storage planning and optimization can be applied across all virtual machines.

Hitachi Virtual Server Reporter offers a storage oriented overview of the VMware ESX servers and an end-to-end mapping of virtual machines with their data stores

down to the respective heterogeneous storage systems. By facilitating an understanding of the physical storage capacity used by the virtual servers, Virtual Server Reporter simplifies storage management while providing a comprehensive view of your entire virtual server infrastructure.

With detailed storage reporting of virtual machines, each virtual machine can be assured of the correct storage tier and capacity required to meet its performance requirements. Each virtual machine's storage allocation and actual utilization can be monitored and trended on the storage system and at the file system levels for accurate reporting of virtual machine consumption levels and proper forecasting of future virtual resource demands.

Fully integrated with Hitachi Storage Capacity Reporter and Hitachi Backup Services Manager, Virtual Storage Reporter provides one comprehensive view into your storage environment when virtualized servers are present.

Comprehensive Storage Reporting for Virtual Server Environments

- By directly mapping the storage resources used by each virtual machine, applications deployed on virtual servers can be assured of the right amount of storage resources to meet their needs.

Business Solutions

Hitachi Data Systems and its Hitachi TrueNorth Channel Partners offer industry leading technologies to help organizations of all sizes meet their unique requirements for IT efficiency, regulatory compliance and business continuity. 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.

Storage Management Solutions

Hitachi Data Systems storage management solutions consist of hardware, software and services that apply best practice planning and configuration with expert onsite installation support to ensure each solution is set up correctly and optimally for the environment, with the least amount of disruption. Hands-on training classes are also available and recommended for all products, on your site or at Hitachi Data Systems training centers.

Complementary Software Solutions

- Hitachi Storage Capacity Reporter
- Hitachi Backup Services Manager
- Hitachi Basic Operating System
- Hitachi Device Manager

- Identify over- or underutilized storage by virtual machines to maximize utilization of existing storage assets.
- Understand the overall storage allocation and usage for virtual server infrastructures to improve storage planning of future capacity growth.

Improve Performance of the Virtual Infrastructure

- Determine whether each virtual machine has the right amount of resources to meet its performance objectives.
- Identify potential contention issues of storage resources that could affect virtual machine performance.
- Properly monitor virtual machines with runtime statistics and forecast future needs based on current usage levels and trends.

Hitachi Storage Viewer Family of Heterogeneous Storage Reporting Products

- As part of the Hitachi Storage Viewer product family, Hitachi Virtual Server Reporter is fully integrated with Hitachi Storage Capacity Reporter and Hitachi Backup Services Manager.
- Hitachi Storage Capacity Reporter provides end-to-end reporting of storage capacity utilization in heterogeneous storage environments leveraging the respective storage system element managers.
- Hitachi Backup Services Manager provides enterprise-level reporting and control of well known storage backup products for organizations concerned about the cost and reliability of their backup environment.

Feature Highlights

- End-to-end view of VMware ESX servers and their storage usage
- Historical, current and predictive analysis of storage resources for each virtual machine
- Storage resource utilization at the file system and logical disk level for individual virtual machines
- Fully integrated with Hitachi Storage Capacity Reporter and Hitachi Backup Services Manager software
- Heterogeneous storage system support, including Hitachi, EMC, NetApp, HP XP, Sun StorageTek, IBM and LSI
- Rich reporting capabilities with real time, historical and built-in custom reporting
- Multiple delivery options for its shared reports and dashboards, including Web, e-mail and mobile devices
- Common reporting platform and graphical user interface that is shared with Hitachi Storage Capacity Reporter and Hitachi Backup Services Manager software

Integrated and Flexible Reporting

- Architected with Web 2.0 technologies, Virtual Server Reporter provides a flexible and fast graphical user interface that is easy to use for multiple audiences. Integrated functionality provides customized reports and dashboards that can be tailored for your environment.
- Sharing of information with all organization levels is streamlined; reports and

dashboards can be shared and e-mailed regularly in PDF, CSV or HTML formats.

- When used in conjunction with Hitachi Storage Capacity Reporter and Hitachi Backup Services Manager software, virtual servers, storage capacity and backup reporting can be combined for an integrated view of the complete storage environment.

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