sgi®

SGI® InfiniteStorage Resource Manager

Features
- Automatic discovery
- Environment to component topology visualization
- Storage and switch provisioning
- Real-time performance and capacity utilization monitoring
- In-depth reporting of the filesystem, switch and storage
- Dependency management
- Global centralized management console
- Standards-based (SMI-S/CIM) management platform

The Storage Management Challenge
In today's data explosion environment, application performance, availability and reliability are critical to business continuance. Developments in networked storage have helped to ensure application service levels in the face of rapidly changing demand. Most current storage management solutions, however, lack an integrated, standards-based approach to managing a multi-vendor storage environment. This has resulted in costly over-provisioning and manual-intensive processes for availability, performance and change management.

Networked storage technologies have also introduced a myriad of management challenges including the need to:
- Identify and reduce hidden storage costs
- Optimize usage and management of existing investments
- Meet application service level requirements
- Manage heterogeneous storage infrastructure components including open and proprietary solutions

The Solution
The ideal approach to meeting these challenges is a standards-based storage resource manager which can discover, view and manage all of your storage infrastructure – giving you all the tools you need to make the right purchase and allocation decisions for capacity, performance and data protection.

Auto Discovery & Topology Visualization
InfiniteStorage Resource Manager software automatically discovers your SAN infrastructure and renders the topology. This view is ideally suited to empower your infrastructure administrators with instant visualization of your resources. InfiniteStorage Resource Manager provides a unique visualization ability to zoom in and out all the way from the entire environment down to the device details. This level of flexibility and granularity gives an unprecedented level of control over the entire storage environment.

Storage and Switch Provisioning
InfiniteStorage Resource Manager performs wizards-based provisioning to save time and reduce manual errors. SGI supports provisioning capabilities at the storage device and storage switch level. With Business Tools in AppIQ™ Enterprise Edition you can automate provisioning tasks like switch zoning and LUN creation.

Performance and Capacity Utilization Monitoring
InfiniteStorage Resource Manager allows you to identify what resources you have; understand how they are being utilized or underutilized; and, knowing where to add or not add performance or capacity to increase service levels, decrease expenditures and maximize total value of ownership. InfiniteStorage Resource Manager's automated discovery, and a common information knowledgebase, provides the foundation for real-time performance analysis and capacity utilization across the entire environment.

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Reporting

Information is key to successfully managing a distributed data center. With a common information knowledgebase, InfiniteStorage Resource Manager provides an extensive set of pre-defined report templates. These report templates cover all commonly accessed information including infrastructure management, asset management, chargeback and historic trending encompassing a wide range of IT daily reporting requirements. With AppIQ Enterprise Edition reports can also be customized to reflect individual needs and can be scheduled to be automatically sent to the key people in your organization.

Dependency Management

InfiniteStorage Resource Manager automatically discovers and tracks multi-level dependencies in your organization so that you can understand the implications of planned or unplanned downtime on an application or quickly identify affected resources/applications in the event of a disaster or power outage. This capability is also critical in knowing which application resources to recover first in the event of a disaster.

Global Centralized Management Console

Centralized management of distributed resources requires access to information anywhere on any platform. InfiniteStorage Resource Manager software's user interface utilizes HTML and applet technology to enable you to manage from any web browser enabled terminal without the requirement for software installation. InfiniteStorage Resource Manager's web-based management provides CxO's, IT managers and administrators access to this information anywhere, on any platform at anytime.

Standards-based (SMI-S/CIM) Management Platform

InfiniteStorage Resource Manager is a standards-based storage resource management solution. Based on the SMI-S standard, InfiniteStorage Resource Manager provides integrated management of servers, filesystem, storage network and storage devices.

Technical Specs:
InfiniteStorage Resource Manager supports the SGI SAN and NAS servers and the following:

Operating Systems:	IRIX®, Altix® running Linux® 64, AIX®, Solaris™, Windows® 2000 Server
File Systems:	CXFS™, XFS®, NTFS, VxFS, UFS
HBAs:	Qlogic, JNI, and Emulex
Switches:	Brocade®
Storage:	SGI® TP9300, SGI® TP9400, SGI® TP9500

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