Veritas InfoScale™ Storage

VERITAS™

Maximize your storage efficiency, availability, agility, and performance

Overview

Veritas InfoScale™ Storage maximizes storage efficiency, data availability, operating system agility, and performance across heterogeneous server and storage environments. Unlike point solutions, InfoScale Storage enables IT organizations to manage their storage infrastructures in a centralized fashion. InfoScale Storage's advanced features include SmartIO, flexible storage sharing, Dynamic Multi-Pathing, storage tiering, deduplication, compression, thin reclamation, and local and remote replication. Together with Veritas InfoScale™ Operations Manager (an easy-to-use centralized management console) they combine to enable organizations to reduce operational costs and capital expenditures across storage from a variety of vendors.

Figure 1. SmartIO application-aware caching.

Predictable application performance using SSD/Flash

Unpredictable performance gains, cost, and return on investment (ROI) are often cited reasons for not adopting SSD/Flash storage. InfoScale Storage comes with application-aware caching (SmartIO) and with support for scale-out servers with direct-attached storage. This enables organizations to adopt SSD/Flash to achieve higher and predictable performance without compromising on high availability and flexibility. In lab tests replicating real-world use cases, InfoScale Storage delivers up to 400 percent performance improvement, while reducing storage costs by up to 80 percent.[1]
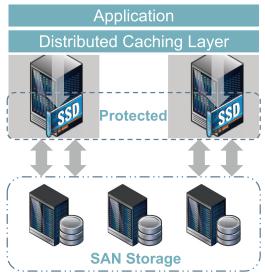
Increased storage utilization across heterogeneous environments

IT organizations struggle with soaring storage costs and capacity that becomes wasted through the regular cycle of operations. In some cases, storage operations can result in application downtime. InfoScale Storage enables administrators to improve storage utilization and capacity management across heterogeneous operating systems and storage hardware. Storage volumes and file systems can be grown or shrunk dynamically, and storage can be provisioned to new applications without modifications or end-user downtime. InfoScale Storage automates daily and repetitive storage tasks and performs them while keeping applications online, including RAID reconfiguration, defragmentation, file system resizing, volume resizing, and storage migrations, even across arrays from multiple vendors.

1. The detailed white paper is available at http://www.symantec.com/content/en/us/enterprise/white_papers/b-storage-foundation-intel-joint-whitepaper-WP-21327636.en-us.pdf

Local and remote data protection

Data protection is a concern of any IT organization. When it is implemented across heterogeneous operating systems, several point tools are required, making management of copies a difficult task. InfoScale Storage helps protect the data, with copy service options that address both local and remote replication needs across all major operating systems. For mission-critical applications that require recovery at remote sites, InfoScale Storage enables the efficient replication of data over IP networks. This host-based technology enables data to be replicated between multivendor storage arrays, giving organizations an extremely flexible, cost-effective alternative to traditional array-based replication architectures.

Simplify operating system migrations

Organizations move application workloads from one operating system platform to another for multiple reasons, including lower costs and better operating system performance. However, an operating system migration is often a tedious and time-consuming project that typically requires an application outage, which could result in lost revenue or employee productivity. InfoScale Storage addresses these challenges by making the same set of data accessible to UNIX® and Linux® operating systems, while keeping applications available. With Portable Data Containers, administrators can export data from one operating system and import it on another in minutes, without ever creating a copy or moving the data, resulting in less downtime.

Centralized storage management

Understanding the dependencies of applications to underlying virtual and physical servers and multivendor storage infrastructures is a challenge. Manually mapping these components together is difficult, and trying to take action to manage the environment is nearly impossible. With InfoScale Operations Manager, organizations can centrally manage their application, server, and storage environments. This leads to faster application deployment times and higher service levels, reduces the risk of human error, and provides comprehensive visibility throughout the environment.

In addition, Operations Manager enables administrators to identify and visualize potential problems with applications and storage resources by correlating health and status information across multiple applications, servers, storage, and replication resources. This increased visibility enables rapid problem resolution that typically spans multiple organizational structures.

Supported systems

- **Operating systems**—Windows®, Linux®, VMware® ESX®, Red Hat® Enterprise Virtualization (RHEV), Oracle® VM, and Microsoft Hyper-V®[2]

- **Replication**—Hitachi TrueCopy, HP Continuous Access XP, HP Continuous Access EVA, EMC® SRDF, EMC® RecoverPoint, EMC® MirrorView, NetApp® SnapMirror, IBM® Metro Mirror, IBM® Global Mirror, IBM® HADR, IBM® XIV, Oracle® Data Guard, and others

- **Storage**—EMC®, HDS, IBM®, NetApp®, HP, Dell® Compellent, and others

For a complete list of supported systems please check the Services and Operations Readiness Tool at www.support.symantec.com.

More Information

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http://enterprise.symantec.com

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Call toll-free 1 (800) 745 6054

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About Symantec

Symantec Corporation (NASDAQ: SYMC) is an information protection expert that helps people, businesses, and governments seeking the freedom to unlock the opportunities technology brings—anytime, anywhere. Founded in April 1982, Symantec, a Fortune 500 company operating one of the largest global data intelligence networks, has provided leading security, backup, and availability solutions for where vital information is stored, accessed, and shared. The company's more than 20,000 employees reside in more than 50 countries. Ninety-nine percent of Fortune 500 companies are Symantec customers. In fiscal 2014, it recorded revenue of $6.7 billion. To learn more go to www.symantec.com or connect with Symantec at: www.go.symantec.com/socialmedia.

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