

HP Application Storage Automation software

Data sheet



Get comprehensive, application-centric storage visibility and management.

Effectively manage your storage infrastructure for better service delivery.

Storage infrastructure in modern data centers is growing faster than server and network devices, and managed storage devices are doubling every 12 months. With this explosive growth, you need an automated solution to effectively manage your storage infrastructure and help you meet the quality and responsiveness goals of your business.

Today, various storage infrastructures are typically managed by disparate tools. Most of these tools do not provide comprehensive visibility across business applications and how they run across physical and virtual servers. When server and storage teams use multiple, disparate tools that do not provide a comprehensive, business service-centric view, it is difficult to visualize, troubleshoot, audit and report on your storage infrastructure. Without understanding your storage infrastructure and how it supports your services, you cannot deliver on the goals of your business.

HP Application Storage Automation software goes beyond multi-vendor storage management by providing comprehensive visibility across your business applications, servers and storage infrastructure that supports your business applications. Built on top of HP Server Automation software, HP Application Storage Automation provides visibility for your entire storage supply chain—from business services to servers to

software processes through the storage fabric to disks. Through a comprehensive, cross-tier view, you can enforce storage best practices, meet storage compliance requirements, more rapidly pinpoint and solve configuration problems, and improve storage resource utilization for effective service delivery.

HP Application Storage Automation addresses:

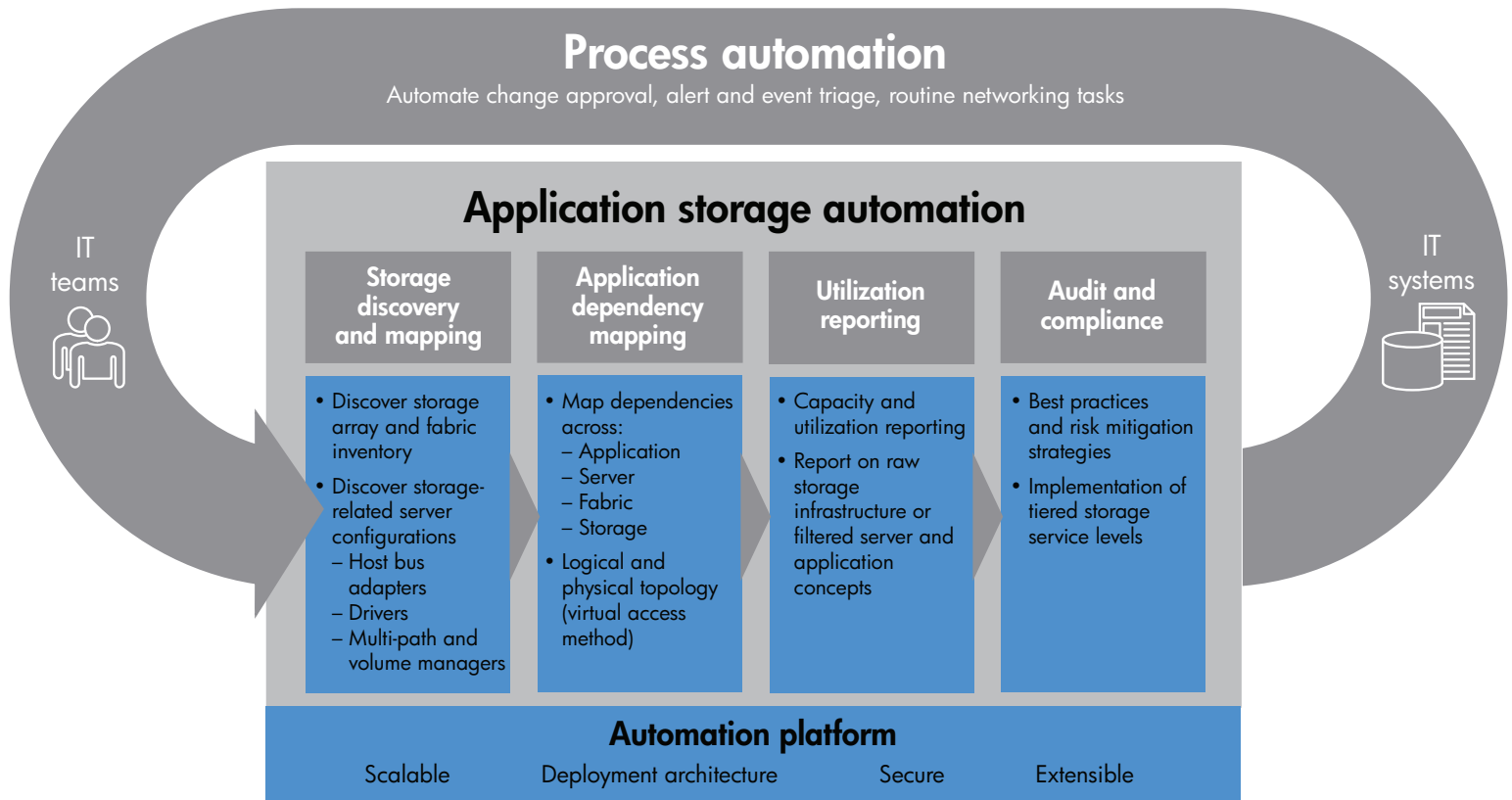
- Which storage assets do my applications and servers use, and how do these storage devices connect?
- My mission-critical application is underperforming. How can I quickly identify misconfigured storage devices?
- Which applications are not using their assigned storage capacity, and what additional capacity will I need next year?
- Which critical business applications do not use multi-pathing from host to spindle?

Get automated storage infrastructure discovery.

Leveraging open, standard protocols as well as vendor-specific application programming interfaces (APIs), HP Application Storage Automation automatically discovers elements and dependencies across multiple storage types, including network attached storage, storage area network (SAN) switches, SAN disk arrays and direct attached storage (DAS) devices. HP Application Storage Automation also discovers the elements and key configurations of SAN-based storage fabrics—both physical and virtual—including host bus adapters (HBAs), SAN switches, SAN arrays and replication agreements between volumes. HP Application Storage Automation also provides deep visibility into critical software running on servers, including HBA firmware, volume and file management software, and

Storage lifecycle automation

HP Application Storage Automation automates change control processes across the storage lifecycle.



middleware software such as Oracle® databases. By correlating and consolidating storage information with server and service data, HP Application Storage Automation provides a comprehensive, application-to-spindle service view.

View and manage your entire storage infrastructure.

HP Application Storage Automation uses HP Service Automation Visualizer software to represent service-to-storage dependencies in intuitive application maps. The maps represent services, software applications, servers, networks and storage elements as well as their configurations and dependencies. You can easily toggle between physical and virtual views and switch between physical and logical views of your entire storage fabric.

Leveraging the maps, you can:

- Proactively understand the impact of changes to minimize disruption.
- Quickly troubleshoot storage configuration change issues.

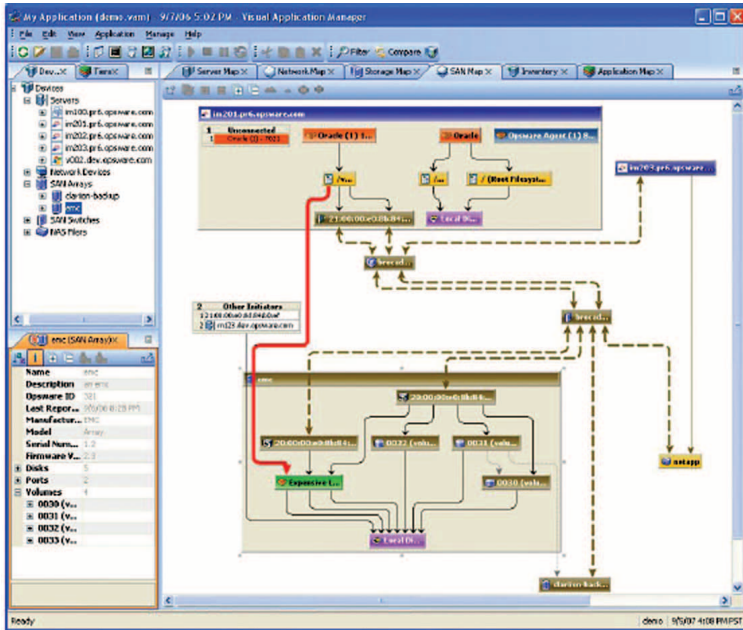
HP Service Automation Visualizer lets you compare service snapshots and identify and highlight configuration differences. As a result, you can quickly pinpoint the root cause of application problems and dramatically reduce mean time to resolution.

Manage compliance.

Bringing your storage infrastructure into compliance with corporate or regulatory standards and maintaining compliance is non-trivial, labor-intensive and often difficult. HP Application Storage Automation provides visibility for storage compliance with corporate or industry best practices and policies. Using HP Application Storage Automation, you can set policies that proactively check whether a critical business application is properly configured, using a multi-path from a server out to disks in the array. The software detects whether a port, switch or HBA has failed, invalidating a redundant path to a volume. HP Application Storage Automation also tightly integrates storage compliance information with the HP Server Automation compliance dashboard to provide a comprehensive, cross-tier, application, server, network and storage compliance view.

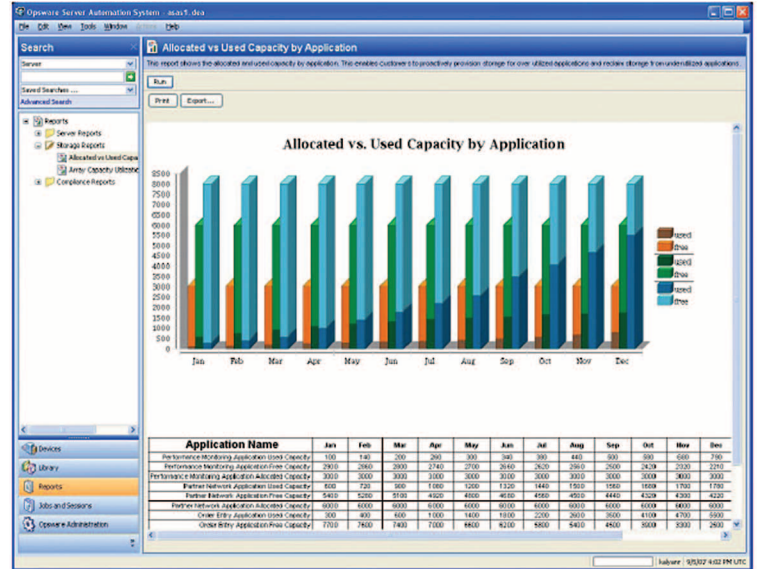
Troubleshoot storage configuration change issues

Through visual maps, HP Service Automation Visualizer highlights configuration change issues for your storage devices.



Enterprise scalability

HP Application Storage Automation works with HP Server Automation for managing your enterprise storage infrastructure.



Gain insight into your storage infrastructure and resources with reports.

HP Application Storage Automation provides a variety of pre-defined storage reports for gaining insight into resource utilization and performance. Using these reports, you can understand your overall storage assets, view your current storage capacity, and use and look at historical trends to predict and plan for future storage resources needs. Leveraging HP Server Automation software, HP Application Storage Automation also provides application dependency information from a storage point of view. HP Application Storage Automation can address questions such as:

- Which business owners utilize which areas of storage?
- Which applications are at risk for insufficient capacity?

You can also build custom reports using the rich data that HP Application Storage Automation automatically discovers and updates.

Manage storage across your enterprise.

HP Application Storage Automation is built on enterprise quality HP Server Automation software. This software can scale from managing hundreds of servers and storage infrastructure in one data center to thousands of infrastructure elements, distributed across multiple data centers and remote locations. HP Application Storage Automation also leverages HP Server Automation agents, eliminating the need to deploy and manage storage agents and reducing the time-to-value and total cost of ownership for implementations. HP Application Storage Automation also leverages the HP Server Automation Multimaster architecture, which provides disaster recovery and replication capabilities and global views of your entire enterprise storage infrastructure.

Key features and benefits

- **Get breakthrough visualization:** See the entire path of your business applications, from servers through the storage fabric to disks.
- **Automate compliance:** Proactively set and enforce policies to meet storage compliance requirements.
- **Accelerate time to repair:** Reduce server and application downtime by eliminating the inconsistencies and misconfigurations at the root of most problems.
- **Increase storage resource utilization:** Manage and report on service-centric storage resource utilization.

A complete solution

Comprehensive training

HP provides a comprehensive curriculum of HP Software and IT Service Management courses. These offerings provide the training you need to realize the full potential of your HP solutions, increase your network optimization and responsiveness, and achieve better return on your IT investments.

With more than 30 years experience meeting complex education challenges worldwide, HP knows training. This experience, coupled with unique insights into HP Software products, positions HP to deliver the optimum training experience. For more information about these and other educational courses, visit www.hp.com/learn.

The smartest way to invest in IT

HP Financial Services provides innovative financing and financial asset management programs to help you cost-effectively acquire, manage and ultimately retire your HP solutions. For more information on these services, contact your HP sales representative or visit www.hp.com/go/hpfinancialservices.

Contact information

To find an HP Software sales office or reseller near you, visit www.managementsoftware.hp.com/buy.

HP Services

Get the most from your software investment

HP provides high-quality software services that address all aspects of your software application lifecycle needs. With HP, you have access to standards-based, modular, multi-platform software coupled with global services and support. The wide range of HP service offerings—from online self-solve support to proactive mission-critical services—enables you to choose the services that best match your business needs.

For an overview of HP software services, visit www.managementsoftware.hp.com/service.

To access technical interactive support, visit Software Support Online at www.hp.com/managementsoftware/services.

To learn more about HP Software Customer Connection, a one-stop information and learning portal for software products and services, visit www.hp.com/go/swcustomerconnection.

© Copyright 2008 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein. Oracle is a registered U.S. trademark of Oracle Corporation, Redwood City, California.

To learn more, visit www.hp.com/go/software

4AA1-7398ENW, January 2008

