Centralized storage capacity and storage utilization management transform complexity and frustration into superior reliability and consistent service delivery. Visualizing your heterogeneous storage assets, along with storage path awareness, gives you a comprehensive reporting and analysis tool that helps drive optimization and provides high-performance storage infrastructure.

With HP Storage Operations Manager (SOM), a storage resource management (SRM) solution, you can leverage existing heterogeneous physical and virtual storage investments, centralize usage policies and reporting, trend historical data, and forecast future requirements. This allows your storage investments to be in sync with overall performance objectives and business strategies.

**HP Storage Operations Manager software**

Whether your organization has a traditional data center or is part of a hybrid storage environment, it is important to have a comprehensive view of resources to better understand the implications of storage growth. HP Storage Operations Manager (SOM) delivers dashboard views of storage capacity and key performance indicators (KPIs) to benchmark data, identify trends, and respond faster to business needs.

SOM provides an easy-to-use, centralized management console. It helps you understand, monitor, control, plan, and manage your heterogeneous storage infrastructure.

Flexible implementation options include agentless, agent-rich, or a hybrid of both to suit your business requirements. Storage monitoring is presented through a topology map that displays physical and virtual elements and the connections and path dependencies between devices. Its support for virtualization spans servers, fabric, and storage. As a result, you can achieve storage capacity and performance optimization across your storage infrastructure.
Key features

• Easy to discover and visualize heterogeneous physical and virtual storage, infrastructure, and clusters with displays of device path dependencies

• Capacity and performance trending

• Storage configuration management, reporting, and root-cause analysis

• VMware infrastructure discovery, reporting, and performance management

• Heterogeneous SAN fabric security reporting and management

Key benefits

• Heterogeneous vendor and storage array support to reduce or help eliminate device managers or vendor-specific tools

• Path-aware performance management in the context of hosts and virtual machines (VMs) to better deliver storage services

• Host-to-storage visibility of all physical and virtual storage assets across SAN and NAS infrastructure

• Flexible deployment and planning with agentless, agent-rich, and hybrid discovery options

• Heterogeneous storage capacity and utilization at host, switch, and array levels

• Out-of-the-box reports with unlimited customization for management and operations teams
HP SOM advanced SRM functionality

HP SOM ships with all the necessary function and capabilities to get you started down the right path for efficient storage optimization and capacity planning. The SOM management server includes various tools to let you monitor and manage your traditional and hybrid devices. Refer to figure 2 for a complete listing of all the included tools and capabilities.

HP SOM, along with the bundled HP Service Health Reporter Standard Edition, gives you out-of-the-box reports that you can customize and use to obtain detailed reporting on the infrastructure, including statistics and usage trends.

Figure 3. HP Storage Operations Manager logical diagram

HP Storage Operations Manager Ultimate Performance functionality
- Premium functionality +
- Performance management

HP Storage Operations Manager Premium functionality
- Heterogeneous device support – arrays and NAS
- Capacity management
- Interactive dashboards
- Chargeback
- Service Health Reporter

Part of the HP IT Performance Suite

HP SOM is a component of our industry-leading IT Performance Suite. With products designed to help your IT perform better in each discrete area of expertise, HP IT Performance Suite provide unparalleled coverage of the IT domain and a KPI-based scorecard system to enhance outcomes.

Included in the IT Operations Management pillar of the suite, SOM provides functionality to help maximize operational efficiency and performance management across global, heterogeneous, and hybrid environments.

Storage in the cloud

Cloud is ubiquitous. Today, businesses and IT teams are using this model to deliver applications and services. With the move to cloud there is an increasing scale and complexity of data centers—including applications, virtual and physical servers, networking devices, desktops, and storage infrastructure that must be managed effectively and efficiently. SOM helps you with storage optimization and capacity planning to make the move to the cloud easier.
HP Services

Get the most from your software investment. We know that your support challenges may vary according to the size and business-critical needs of your organization.

HP provides technical software support services that address all aspects of your software lifecycle. This gives you the flexibility to choose the appropriate support level to meet your specific IT and business needs. Use HP cost-effective software support to free up IT resources, so you can focus on other business priorities and innovation.

HP Software Support Services give you:

• One stop for all your software and hardware services, saving you time with one call 24x7, 365 days a year
• Support for VMware, Microsoft®, Red Hat, and SUSE Linux as well as HP Insight Software
• Technical expertise and remote tools to access fast answers, resolve problems, and proactively prevent problems
• Global Reach Consistent Service Experience, which delivers global technical expertise locally

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