

# HP SiteScope software

Data sheet

## Agentless monitoring that helps increase the availability and performance of your IT infrastructure

### Improve the availability and performance of IT environments

HP SiteScope software monitors the availability and performance of distributed IT infrastructures and applications including servers, operating systems, network and Internet services, applications, and application components. HP SiteScope continually monitors more than 100 types of IT components through a web-based architecture that is lightweight and highly customizable. With HP SiteScope, you gain the real-time information you need to stay apprised of problems, and solve bottlenecks before they become critical.

### Reduce TCO

HP SiteScope reduces your total cost of ownership by:

- Offering a monitoring solution that doesn't require installation and maintenance of agents
- Enabling instant ignition—easy installation of a monitoring solution—in less than one hour
- Providing templates and global change and replace capabilities, thus reducing manual efforts associated with configuration changes
- Automating actions initiated as a result of monitor status change alerts, thus enabling quick and efficient operations management
- Offering solution templates that include specialized monitors, default metrics, proactive tests, and best practices

### Scale with your needs

HP SiteScope serves as an ideal starting point for those customers who need a low-cost monitoring solution or have little to no monitoring of their IT environment in place today. With support for 64-bit servers, a single HP SiteScope server can easily scale from a standalone installation to a larger installation with thousands of monitors, applications, and network connections.

### Investment protection

As your company changes—through growth, mergers, or acquisitions—so will its monitoring and

management needs. That is where HP SiteScope offers investment protection. It is constantly being evolved to support technologies like virtualization and cloud computing as well enhanced to better integrate with many other HP software products.

### Key features and benefits

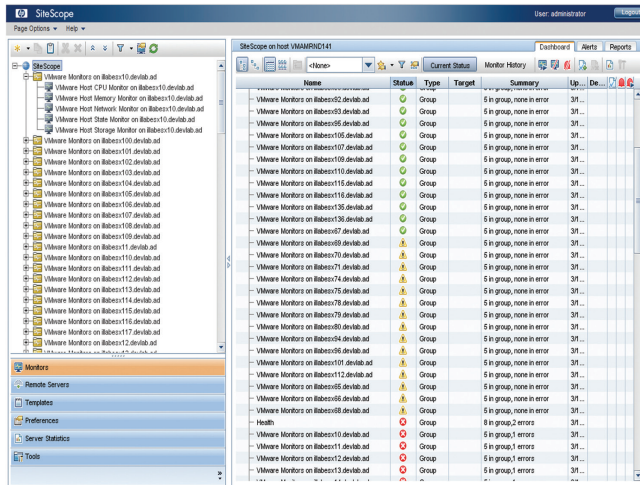
- Features an agentless, enterprise-ready architecture designed to lower TCO
- Monitors more than 100 different target types for critical health and performance characteristics
- Provides alerting capabilities, based on customizable thresholds, so that IT can fix problems before end users experience them
- Offers solution templates that feature built-in domain expertise in the form of specialized monitors, default metrics and thresholds, proactive tests, and best practices for a given application or component being monitored
- Provides a powerful Web-based user interface that enables configuration, installation, administration, real-time status, and reporting from one seamlessly integrated console
- Integrates with HP Operations Manager for those customers needing to perform both agent-based and agentless monitoring
- Provides end-to-end monitoring through both top-down (applications) and bottom-up (infrastructure) monitoring

### How HP SiteScope works

HP SiteScope provides a centralized, scalable architecture that is implemented as a Java server application and supports three key functions: data collection, alerting, and reporting. Data collection is performed through remote monitoring and without the need for agents to be installed and maintained on monitored nodes. Basically, HP SiteScope logs into systems as a user from its central server, where several connection methods are supported, including TELNET, rlogin, HTTP, SSH, NetBIOS, and WMI.



Figure 1: HP SiteScope displaying health of monitored nodes



User interaction is accomplished through a Web-based UI that enables configuration, installation, administration, real-time status, and reporting from one seamlessly-integrated console.

### Comprehensive monitoring of complex and dynamic environments

HP SiteScope provides more than 100 out-of-the-box monitors covering aspects such as utilization, response time, usage, and resource availability. These monitors span a variety of host types and application platforms including, but not limited to:

- Virtualization: numerous monitors covering virtualization technologies from VMware, Microsoft®, Citrix, and Oracle/Sun
- Cloud computing: Amazon Web Services monitor that enables monitoring of Amazon's Elastic Compute Cloud (EC2)
- Heterogeneous environments: monitors for Windows®, UNIX®, and Linux systems
- Microsoft technologies: monitors for SharePoint, Exchange, Active Directory, IIS, SQL Server, and Lync Server (formerly OCS)
- Applications: numerous monitors for web application servers, databases, streaming technologies, networking, and much more

### Solution Templates

HP SiteScope offers solution templates that provide simple yet comprehensive monitoring without requiring users to be experts on the application. The benefit: reduced effort and time to configure and deploy monitors for complex application environments. The templates feature built-in domain expertise in the form of specialized monitors, default metrics and thresholds, proactive tests, and best practices for a given application or monitoring component. The solution templates comes with a best practices guide

that specifies the most important key performance indicators (KPIs) and outlines steps for troubleshooting.

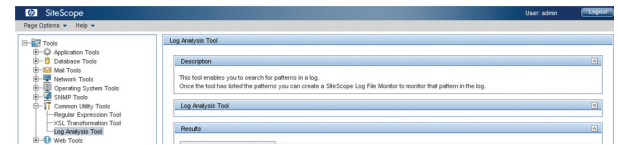
### Alerts, notifications, and reports

From a notification perspective, both standard methods—email, SNMP trap, and pager (including support for SMS devices)—and additional methods, such as HTTP post and database alerts, are supported. Alerts are sent to IT administrators based on configured thresholds and defined schedules. HP SiteScope enables generation of daily, weekly, and monthly summaries of single and multiple monitor readings.

### Automation for increased productivity and efficiency

HP SiteScope's log analysis tool, which scans logging lines and performs an algorithm—developed by HP Labs—to identify recurring patterns in those lines. It then takes those recurring patterns to create Log File monitors. This removes the need for operators and administrators to sift through large log files that contain thousands if not millions of lines.

Figure 2: Create Log File monitors based on recurring patterns



HP SiteScope can leverage LDAP to define group-level permissions, create user roles, assign security groups based on role, and automate both local and remote user authentication when logging into HP SiteScope. LDAP support eliminates having to manually define each user in HP SiteScope, making management of user permissions more efficient. Furthermore, all users and roles are easily exported to other HP SiteScope installations.

To increase productivity when managing large, dynamic environments, such as those that exist in private clouds, HP SiteScope offers an extended SOAP-based API. With this API, you can run various scenarios automatically without using the HP SiteScope UI. Some examples include creating and deploying templates; enabling and disabling monitors, groups, and alerts; and deleting monitors, groups, and remote servers.

### Elastic Configuration

Elastic configuration is a way to automatically adjust the HP SiteScope monitoring configuration based on changes that are happening in your IT environment. HP SiteScope provides VMware monitors that allow you to monitor CPU, Memory, Network, State and Storage-related counters of a VMware host server as well as guest virtual machines on the host server.

**Figure 3:** Monitor IT health from anywhere using HP SiteScope's iPhone application



These monitors dynamically update themselves over time by adding and removing counters and thresholds as virtual machines move from one host system to another. In addition, baselining is supported, where thresholds are dynamically changed based on historical monitoring data.

## Monitor IT health from anywhere

Using HP SiteScope's free iPhone application, you can access HP SiteScope from either an iPhone or an iPad. With this capability, you can search HP SiteScope servers to view individual monitors and group statistics, perform actions on search results to mitigate issues, respond to email alerts when a problem is detected in the IT infrastructure, add selected monitors and groups to a favorites list, and generate ad-hoc reports for monitors, groups, or alerts for specific time periods. All access to HP SiteScope servers is authenticated by login information and SSL communication helps ensure secure transmission of sensitive information.

## Monitor environment as your company grows

HP SiteScope provides the ability to easily grow your monitoring environment through the following:

- A highly scalable server architecture that allows 20,000+ monitors per server and thousands of monitor runs per minute
- Rapid updating, monitoring, and deployment across the entire enterprise using mass-deploy templates and the "Publish Changes" feature

As your organization grows and starts to use a wider variety of products from the HP Business Service Management suite of products, you can further leverage your HP SiteScope investment. HP SiteScope's

integration with these products allows you to manage several HP SiteScope instances from one place using advanced BSM tools and features like cross-SiteScope reports and HP Service Level Management.

## Failover capability to monitor mission-critical applications

HP SiteScope offers optional failover support to give you added redundancy and automatic failover protection if a HP SiteScope server experiences availability issues. When the primary HP SiteScope server becomes unavailable, a secondary server takes over, providing uninterrupted monitoring.

## Integrate HP SiteScope with a wide variety of HP software products

While HP SiteScope can be used standalone, its integration with a wide variety of other HP software further demonstrates its unique differentiation in the marketplace, ability to be part of a much larger management solution, and ultimately its superior investment protection. The following paragraphs discuss a few of these integrations.

### HP Operations Manager and OMi: combining agentless and agent-based monitoring

Many IT organizations use both agentless and agent-based monitoring for a variety of reasons. While HP SiteScope can be deployed standalone, in many situations it is used in conjunction with HP Operations Manager (OM) or Operations Manager i (OMi), such that a single console acts as a central repository for all discovered events. Basically, HP SiteScope collects events and metrics data and then logs it to an agent data store. This is accomplished with the assistance of the HP Operations Agent, which resides on the HP SiteScope server. This information is then forwarded to OM/OMi. Having this agent on the HP SiteScope server allows for easy setup and integration with OM and OMi. The integration also affords the following capabilities:

- HP SiteScope targets are added automatically to the HP Operations Manager Service Map.
- HP SiteScope alerts go directly to HP Operations Manager with full details.
- HP SiteScope tools can be launched directly from the HP Operations Manager console.
- HP SiteScope can be centrally managed from the HP Operations Manager console, allowing the transfer of configuration information from one HP SiteScope instance to another and synchronization of settings between multiple HP SiteScope servers.

**Figure 4:** Combining agent-based and agentless monitoring into a single "pane of glass"

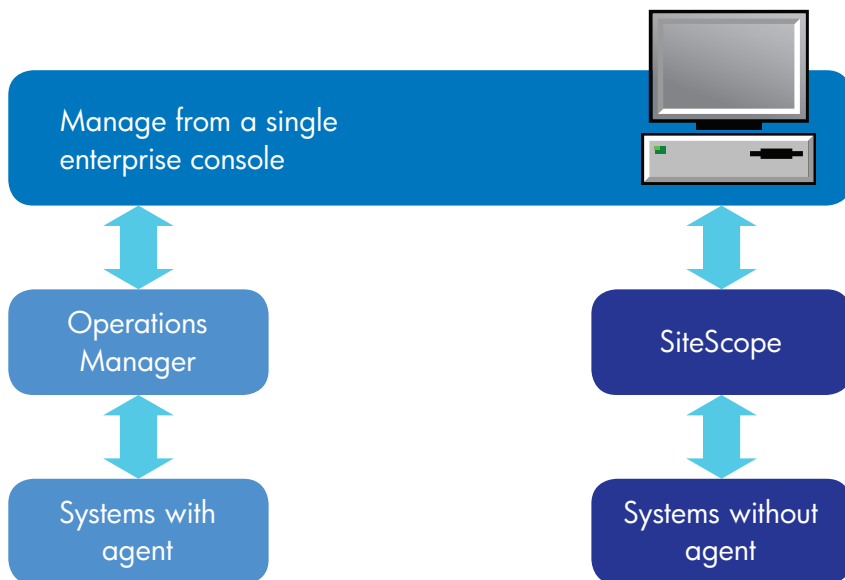
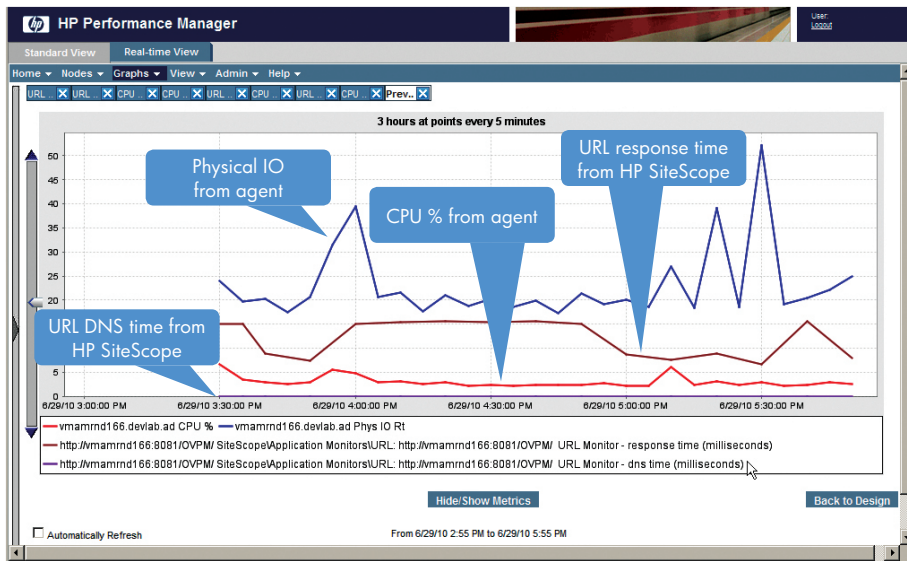


Figure 5: Combining agent-based and agentless technologies when monitoring performance



### HP Performance Manager: view both agentless and agent-based data when monitoring performance

Using the HP Operations Agent that resides on the HP SiteScope server, you now have visibility of HP SiteScope metrics in HP Performance Manager as well as the graphing component of HP Operations Manager.

### Integration with other HP software products

Data integration enables HP SiteScope reports to be displayed and the HP SiteScope UI to be hosted—all within HP Performance Center. You can also view HP SiteScope system level performance and availability information within HP Diagnostics. The ability to see HP SiteScope information within these two products provides greater context to help troubleshoot application performance-related problems.

Other integrations include the ability to send SiteScope events and metrics to Network Node Manager (NNMi) and the automatic creation of monitors in HP SiteScope through its integration with HP Operations Orchestration. Lastly, HP SiteScope serves as the monitoring foundation for HP LoadRunner software, to better identify bottlenecks during the load testing phase.

HP SiteScope software improves the availability and performance of your IT infrastructure. To know more about it, please visit [www.hp.com/go/sitescope](http://www.hp.com/go/sitescope).

## A complete solution

### Comprehensive training

We provide 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 educational challenges worldwide, we've built training modules to fit the learning curves of our customers. This experience, coupled with unique insights into HP Software products, positions us to deliver the optimum training experience. For more information about these and other educational courses, visit [www.hp.com/learn](http://www.hp.com/learn).

### HP Financial Services

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](http://www.hp.com/go/hpfinancialservices).

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 service that best match your business needs.

For an overview of HP software services, visit [managementsoftware.hp.com/service](http://managementsoftware.hp.com/service).

To access technical interactive support, visit Software Support Online at [www.hp.com/managementsoftware/services](http://www.hp.com/managementsoftware/services).

To learn more about HP Software Customer Connection, an information and learning portal for software products and services, visit [www.hp.com/go/swcustomerconnection](http://www.hp.com/go/swcustomerconnection).



### Get connected

[www.hp.com/go/getconnected](http://www.hp.com/go/getconnected)

Current HP driver, support, and security alerts delivered directly to your desktop

© Copyright 2007–2011 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.

Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation. UNIX is a registered trademark of The Open Group. Oracle and Java are registered trademarks of Oracle and/or its affiliates.

4AA1-6157ENW, Created October 2007; Updated May 2011, Rev. 6

