

Overview

HP Web-enabled Management Agents and System Management Homepage help systems administrators rapidly respond to potential and actual system failures, increase system stability, and reduce troubleshooting complexity. The System Management Homepage provides a consolidated view of all system health and configuration information and simplifies access to HP Web-enabled System Management software running on your ProLiant server. The System Management Homepage displays critical management information through a simple, task-oriented user interface. All system faults and major subsystem status are now reported within the initial System Management Homepage view. In addition, the new tab-based interface and menu structure provide one-click access to server logs and configuration wizards as well as other ProLiant Essentials software including the Remote Insight Lights-Out Edition board, integrated Lights-Out processor, and Version Control Agents. The System Management Homepage is accessible either directly through a browser or through a management application such as Insight Manager 7 or an enterprise management application.

HP web-enabled Management Agents and System Management Homepage work in concert with Insight Manager 7 to rapidly notify systems administrators of impending system failures. Management agents running at the server send alerts to the Insight Manager 7 console in real-time. Insight Manager 7 will then send an e-mail or page to the correct individual, ensuring the problem is addressed as quickly as possible. With the new HPs pre-failure warranty program, if Insight Manager 7 receives a pre-failure alert for CPU, disk, or memory components, HP will replace the failed component free of charge. Note: Failed components must be under warranty to qualify for replacement under the Pre-failure warranty program.

The System Management Homepage is installed by default with HP Web-enabled Management Software such as the Management Agents. The HP Web-enabled Management Agents are installed during a Smart Start deployment of the ProLiant server and can be installed from the Management CD or downloaded from the HP Web site.

HP has also developed a comprehensive set of integration modules that integrate the benefits of System Management Homepage into customers' existing enterprise management platforms such as HP OpenView Network Node Manager, CA Unicenter TNG, Tivoli NetView, and Tivoli Enterprise.

Availability and Usage

- Management Agents for Servers and Clients are distributed on the Management CD, as part of the Server Setup and Management package included with every server.
- Updates may be downloaded via <http://h18000.www1.hp.com/support/files/index.html>.
NOTE: This Web site is available in English only.
- The Management Agents for Windows are also part of the Support Paq for Windows® 2000.

Key Features

- **System Management Homepage:** The System Management Homepage provides a centralized view for HP Web-enabled Management Agents. Failed and degraded sub-system components are depicted on the System Management Homepage. The task-oriented view of the integrated management information and configuration data allow IT administrators to quickly diagnose and rapidly respond to potential and actual fault conditions.
- **Group Configuration of Security parameters:** The System Management Homepage enables group configuration of security parameters such as passwords, trusted Insight Manager 7 server, allowable/restricted IP address ranges, etc. IT administrators can now quickly change security settings on multiple systems through a single Insight Manager 7 task. This saves valuable time and ensures consistent configurations across the managed environment.
- **Integrated System Management Help:** The System Management Homepage Integrated Help consolidates all the help information for the HP web-enabled system Management Software on a device. Now it is no longer necessary to navigate from agent to agent to look for the help information that you require. The context sensitive Integrated System Management Help enables quick and accurate access to help information.
- **Performance Monitoring:** The new performance monitoring enables IT administrators to set thresholds for logical disks, CPU, NIC, memory, processors, etc. If the predefined thresholds are exceeded an alarm can be generated to notify the proper IT administrator to take immediate action.
- **Built-in Intelligence:** With the intelligence built into it, the agents can keep track of their own condition and know where the fault lies in the subsystems.
- **Web-enabled:** The agents render information dynamically in HTML, so that it can be viewed from a standard browser located anywhere on the network.
- **Predictive alerting:** Predictive parameters are generated by the agents for disk drives, memory and CPU, and form the basis for Pre-Failure Warranty.
- **NT Event Notifier:** The NT Event Notifier Application forwards alarms via e-mail using SMTP. The administrator can receive alerts even when the management application is not available.
- **Standards Based:** The Management Agents for Servers use the industry-standard Simple Network Management Protocol (SNMP) and the Hypertext Transfer Protocol (HTTP), and the Management Agents for Clients use SNMP and Desktop Management Interface (DMI) for communicating management information.

Overview

Benefits

- **Maintain uptime and peak performance and reduce incidence of unplanned downtime:** Quickly diagnose and rapidly respond to potential and actual fault conditions. Leverage pre-failure alerting to fix potential issues before they result in unplanned server downtime. When used in conjunction with Insight Manager 7, alerts may be transmitted to appropriate individuals via e-mail or pager notification.
- **Save valuable time and ensure consistent configurations:** The System Management Homepage enables group configuration of important management and security parameters. Change management agent passwords according to corporate guidelines without having to visit each system.
- **Improve troubleshooting efficiency with the new System Management Homepage task-oriented user interface:** New and improved interface and enhanced integration with HP Web Enabled System Management software helps save time and resources by providing quick and efficient access to vital management information and system configuration options. Web browser interface facilitates access from any system connected to the corporate LAN.
- **Seamless integration with Insight Manager 7 and other Enterprise Management applications:** Insight Manager 7 automatically senses the presence of and links to the management agents and the System Management Homepage. Insight Manager 7 communicates with the management agents and System Management Homepage to track server health and performance and to maintain up-to-date server inventory data. Integration modules for HP OpenView, CA Unicenter, and Tivoli Enterprise Manager, also deliver detailed server inventory and health information to these industry-leading enterprise management platforms.
- **Performance Monitoring:** IT administrators can now proactively monitor the performance of their ProLiant servers by setting predefined thresholds for processors, memory, CPU, NIC, and logical disk. These thresholds can be set on the Task menu of the System Management Homepage. HP web-enabled System Management Agents can be configured to notify designated IT administrators when predefined are exceeded.
- **Greater control of systems:** The agents monitor over 1,000 parameters in the system and generate alerts in the event of a fault. Any fault, and in some cases, impending faults are communicated to the designated administrator.
- **Day-one control/Ease of use:** The Management Agents are easy to install and deploy and can also be installed silently while configuring the system using the SmartStart configuration process.
- **Maintain existing infrastructure:** The Management Agents use industry standards to deliver their alerts and configuration and performance data. This facilitates reporting to any management application that uses these industry-standard management protocols.
- **Heterogeneous environments:** The Management Agents provide access to management information for a broad range of operating environments, including Microsoft® Windows 2000, Windows NT® and Windows 98, Linux, Novell NetWare, SCO OpenServer and UnixWare®, Tru64 UNIX® and OpenVMS and IBM OS/2.

Technical Specifications

Browser Support	Internet Explorer 5.5 or later Netscape Navigator 4.03 or later with JDK 1.1 patch
SNMP V1 Compliance	Standard MIB Support including RFC1213, RFC1398 and RFC1231
E-mail support Requirements	NT event notifier application forwards alarms via e-mail using SMTP
Management Protocol	Simple Network Management Protocol (SNMP) – for Servers and Clients Hyper Text Transfer Protocol (HTTP) – for Servers and Clients Desktop Management Interface (DMI) – for Clients
Free disk space	Management Agent for Servers – Windows – at least 25 MB Management Agent for Servers – Linux – at least 25 MB Management Agent for Servers – NetWare – at least 15 MB Management Agent for Servers – UnixWare2 – at least 15 MB Management Agent for Servers – UnixWare7 – at least 15 MB Management Agent for Servers – SCO5 – at least 15 MB Management Agent for Servers – OS/2 – at least 15 MB Management Agents for AlphaServers – OVMS – at least 15 MB Management Agents for AlphaServers – Tru64 UNIX – at least 15 MB

Technical Specifications

Supported Models

Servers	ProLiant, Prosignia, AlphaServers	
Supported Operating Systems on Prosignia and ProLiant servers	Microsoft	Windows 2000, Windows NT, & NT SBS
	Linux	Red Hat and SuSE
	Novell	NetWare 5.x, 6.0, NetWare for Small Business
	Caldera Open Unix 8	OpenUNIX 8 UnixWare
	SCO	UnixWare 7.X , & 8.0
Supported Operating Systems on Alpha servers	IBM	OpenServer Release 5.05, & 5.06
	HP	OS/2 Warp Version 4
		Tru64 UNIX V4.0F
Workstations	Supported Models	OpenVMS 7.1, 7.1-1H1, 7.1-1H2, 7.1-1H3, 7.1-2 and 7.2
	Supported Operating Systems	Professional Workstation Microsoft Windows 2000, Windows Millennium, & Windows NT Workstation 4.0
Desktops	Supported Models	Deskpro
	Supported Operating Systems	Microsoft Windows 2000, Windows NT Workstation 4.0, Windows 98, Windows Millennium
Portables	Supported Models	Armada, LTE 5000 (Win 95 & Win NT)
	Supported Operating Systems	Microsoft Windows 2000, Windows NT Workstation 4.0, & Windows 98
Uninterruptible Power Supplies	Supported Models	All UPS Models: T700, T700h, T1000, T1000h, T1500, T1500h, T2000, T2400h, R1500, R1500h, R3000, R3000h
	Supported Operating Systems	Microsoft Windows 2000, and NT 4.0
Supported Standards	Request for Comment	Description
	RFC 1212	Concise MIB definitions
	RFC 1215	Convention for defining SNMP traps
	RFC 1213	Management Information Base (MIB II)
	RFC 1398	Ether-Like Interface Type MIB
Management MIBS	RFC 1231	IEEE 802.5 Token Ring Interface Type MIB
	Server and Workstation Management Parameters	Over 1,000
	Server and Workstation Management Traps	Over 60
	Client Management Parameters	Over 300
	Client Management Traps	15

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