

HP Insight Integration for OpenView Network Node Manager Revision 3.0



January 2004 (Third Edition)
Part Number 349144-003

© 2004 Hewlett-Packard Development Company, L.P.

Microsoft® and Windows® are U.S. registered trademarks of Microsoft Corporation.

Hewlett-Packard Company shall not be liable for technical or editorial errors or omissions contained herein. The information in this document is provided “as is” without warranty of any kind and is subject to change without notice. The warranties for HP products are set forth in the express limited warranty statements accompanying such products. Nothing herein should be construed as constituting an additional warranty.

Confidential computer software. Valid license from HP required for possession, use or copying. Consistent with FAR 12.211 and 12.212, Commercial Computer Software, Computer Software Documentation, and Technical Data for Commercial Items are licensed to the U.S. Government under vendor's standard commercial license.

HP Insight Integration for HP OpenView Network Node Manager Revision 3.0

January 2004 (Third Edition)
Part Number 349144-003

Contents

Introduction..... 5

Installing Support for HP Integrity Servers 5

HP Integrity Servers in HP OpenView NNM..... 6

Searching for HP Integrity Systems..... 9

Introduction

This document assumes the user is familiar with HP OpenView Network Node Manager (NNM) and with the Insight Integration for NNM.

For more information on the Insight Integration for HP OpenView NNM (including downloads), refer to the following website: www.hp.com/servers/integration

Installing Support for HP Integrity Servers

The Insight Integration for HP OpenView NNM will automatically discover HP Integrity servers running Windows 2003 and monitor these systems for status.

One additional step is required by the user after the installation of the Insight Integration for HP OpenView NNM. The user should load the HP Integrity servers MIBs into the NNM database.

As mentioned above, discovery and classification of HP Integrity servers is provided by default in the Insight Integration. To enable more extensive alarm processing from these systems, the HP Integrity servers MIBs should be loaded by the user.

1. Change to the directory where you downloaded and extracted the integration module.
2. Change to the ipf directory.
3. Execute the loadipf script.

Executing this script will load these MIBs into Network Node Manager:

- HPIPFTRAP
- HPNETCTZ
- NSASCSI

Once these MIBs are loaded, more detailed trap information will be available when alarms are received from HP Integrity servers.

HP Integrity Servers in HP OpenView NNM

HP Integrity servers are discovered and classified by the Insight Integration for HP OpenView Network Node Manager. These systems will be populated with a unique icon on the NNM map (shown in Figure 1). Access to the various menu options provided in the integration will also be available.

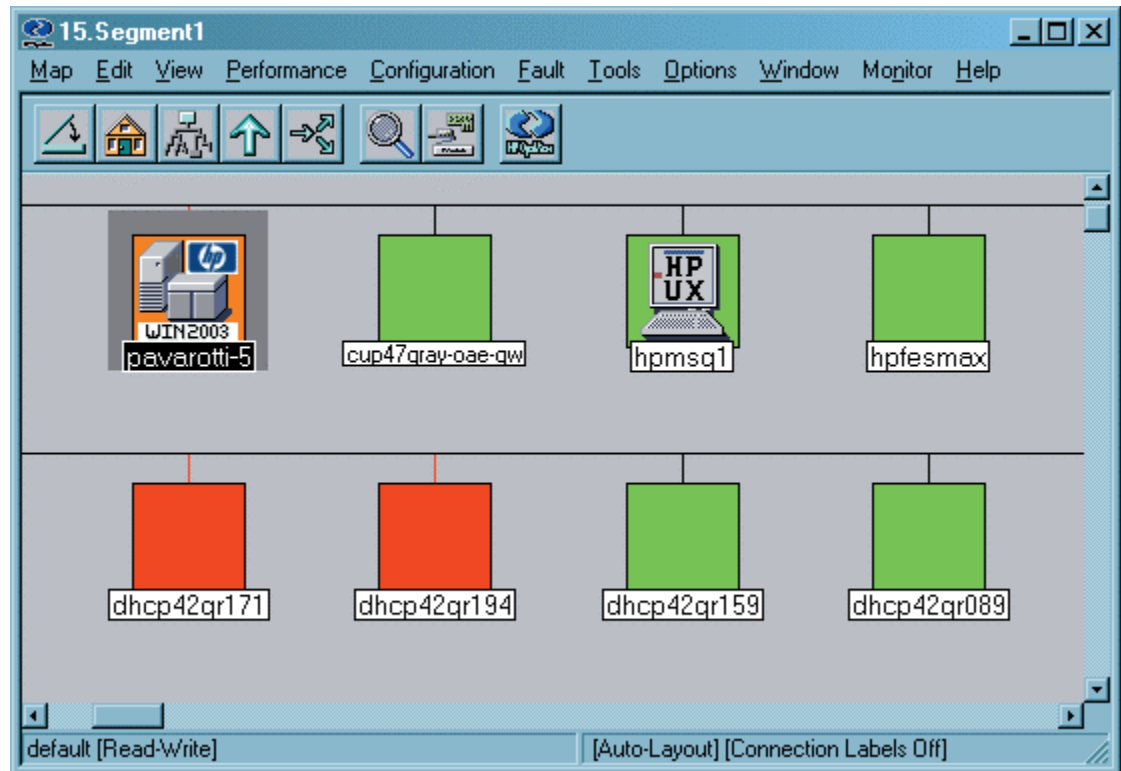


Figure 1: HP Integrity server discovered in Network Node Manager

To access the web agents running on an HP Integrity server, the user can right-click and select Insight Web Agents (shown in Figure 2), or drill down into the node and double-click on the HP Insight Agents icon on the submap.

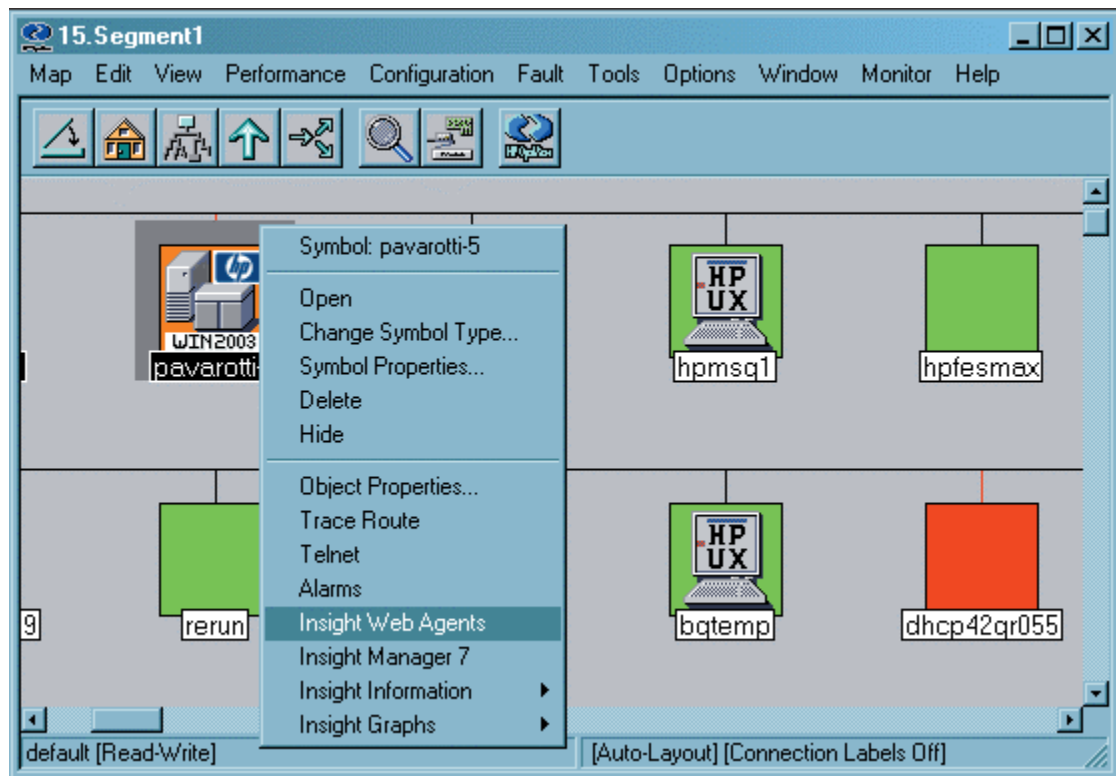


Figure 2: HP Integrity server popup menu options

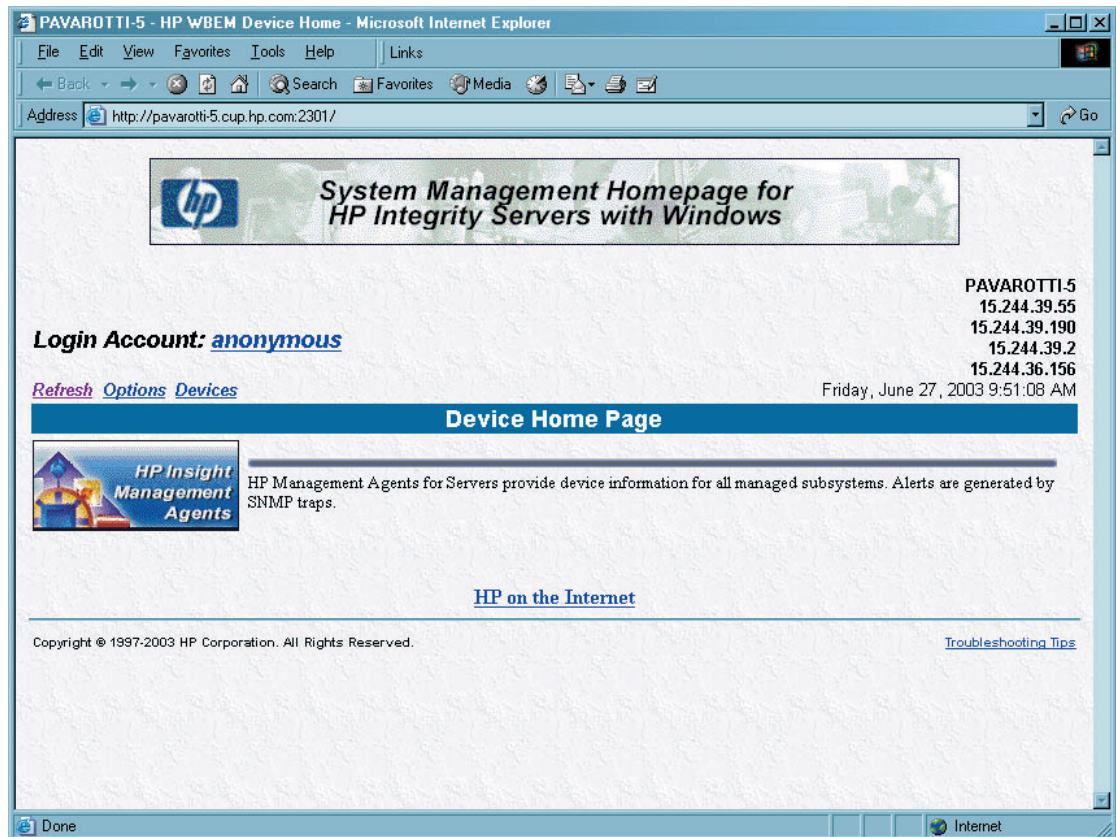


Figure 3: HP Integrity server device homepage

Information about the system is also available through the various Insight Information menu options that are provided. For example, fan information will be displayed when the user selects Insight Information – Health – Fault Tolerant Fans (shown in Figure 4). The Insight Information views provide a subset of the information that is available about the device. For complete details, the user should launch to the web-agents running on the system.

Fault Tolerant Fan Information : pavarotti-9

File View Help

Name or address:
pavarotti-9

Chassis	Index	Location	Condition	Present	Type	Speed	Hot Pluggable	Redundant	Redundant Partner	Description
0	0	chassis	ok	present	spinDetect	normal	hotPluggable	redundant	10	cab 0-cabinet cooling - fan 0
0	1	chassis	ok	present	spinDetect	normal	hotPluggable	redundant	10	cab 0-cabinet cooling - fan 1
0	2	chassis	ok	present	spinDetect	normal	hotPluggable	redundant	10	cab 0-cabinet cooling - fan 2
0	3	chassis	ok	present	spinDetect	normal	hotPluggable	redundant	10	cab 0-cabinet cooling - fan 3
0	4	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	11	cab 0-I/O - fan 0
0	5	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	11	cab 0-I/O - fan 1
0	6	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	11	cab 0-I/O - fan 2
0	7	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	11	cab 0-I/O - fan 3
0	8	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	11	cab 0-I/O - fan 4
0	9	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	12	cab 8-master I/O 0 - fan 0
0	10	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	12	cab 8-master I/O 0 - fan 1
0	11	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	12	cab 8-master I/O 0 - fan 2
0	12	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	12	cab 8-master I/O 0 - fan 3
0	13	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	13	cab 8-master I/O 1 - fan 0
0	14	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	13	cab 8-master I/O 1 - fan 1
0	15	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	13	cab 8-master I/O 1 - fan 2
0	16	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	13	cab 8-master I/O 1 - fan 3
0	17	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	14	cab 8-master I/O 2 - fan 0
0	18	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	14	cab 8-master I/O 2 - fan 1
0	19	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	14	cab 8-master I/O 2 - fan 2
0	20	ioBoard	ok	present	spinDetect	normal	hotPluggable	redundant	14	cab 8-master I/O 2 - fan 3
0	21	ioBoard	other	absent	spinDetect	other	hotPluggable	other	15	cab 8-master I/O 3 - fan 0

Messages:

Stop Restart Close

Figure 4: Insight Information – Fault Tolerant Fans

Searching for HP Integrity Systems

Users can find systems using the integration and the built-in search functionality of Network Node Manager. For example, in order to display all systems classified as HP Integrity server:

1. Select **Edit>Find>Object by Attribute**.
2. Scroll down in the Object attribute field and select **cpqOsType**.
3. In **Type of string search**, select **Pattern matching**.
4. In the **Regular Expression** field, type `hpwin2kipf`, then click **Apply**.

Found systems will be listed in the find window (shown in Figure 5) and highlighted on the NNM map.

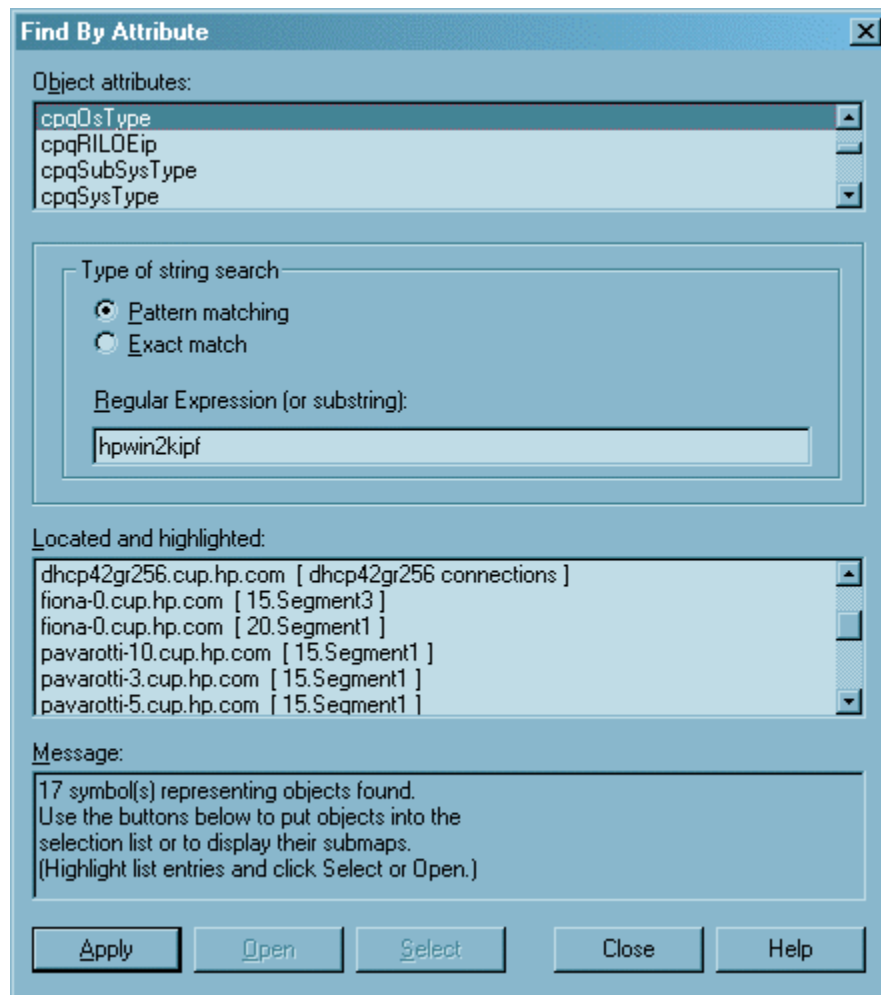


Figure 5: Finding HP Integrity server by OS type