

HP Network Node Manager iSPI Network Engineering Toolset Diagnostics Server System and Device Support Matrix

Software Version: 9.00 / March 2010

This document provides an overview of the system requirements and supported devices for the HP NNM iSPI Network Engineering Toolset Software (NNM iSPI NET) diagnostics server version 9.00.

For the latest updates to the system requirements and device support, see sg-pro-ovweb.austin.hp.com/nnm/ISPI-NET9.00/supportmatrixupdate.htm

This document is intended to augment the *Release Notes*.

[Installation Guide](#)

[Hardware and Software Requirements](#)

[Hardware](#)

[Operating System](#)

[Database](#)

[Web Browser](#)

[Internationalization and Localization Support](#)

[Supported Network Devices](#)

[Supported Devices](#)

Installation Guide

Pre-installation requirements, as well as instructions for installing the NNM iSPI NET diagnostics server, are documented in the installation guide provided in Adobe Acrobat (.pdf) format. The document file is included on the product's installation media as `install-guide_en.pdf`.

Hardware and Software Requirements

Before installing the HP NNM iSPI NET diagnostics server, make sure your system meets the following minimum requirements.

Hardware

- Intel 64-bit (x86-64) or AMD 64-bit (AMD64)
- Minimum 2 gigabyte (GB) memory (RAM)
- Minimum 2 gigabyte (GB) available disk space

If you install the NNM iSPI NET diagnostics server on the same system as HP Network Node Manager i Software (NNMi), the resource requirements must be added to those for the base NNMi product. The NNM iSPI NET diagnostics server installer only operates on Windows operating systems. It is possible to use an existing HP Operations Orchestration Version 7.20 (HP 00) server as the target for diagnostics installation. See the *HP NNM iSPI Network Engineering Toolset Planning and Installation Guide* for information on the use of an existing HP OO Server.

Operating System

- Windows
 - Windows Server 2003 x64 with Service Pack 2
 - Windows Server 2003 x64 R2 with Service Pack 2
 - Caution: Windows operating systems on Itanium Processor Family (IPF) are not supported.

Note: Installation of the NNM iSPI NET diagnostics server is not supported on the Linux operating system nor is the use of the diagnostic flows on an existing HP OO installation using the Linux operating system.

The NNM iSPI NET diagnostics server stores information in a relational database. The NNM iSPI NET diagnostics server supports MySQL versions 5.0.51b and later. MySQL 5.0.51b is provided with the installer and used if MySQL does not already exist on the system where you install the NNM iSPI NET diagnostics server. If HP OO already exists on the system, MySQL and HP OO are not installed on the system. Instead, the installer requires administrative logon information for the existing HP OO Server.

Web Browser

- General Web Browser Requirements
 - Any pop-up window blockers must be disabled for the browser.
 - Cookies must be enabled for the browser.
 - Client display should have a resolution of at least 1024x768.
 - Caution: The following browsers are not supported:
 - Microsoft Internet Explorer version 6
 - Microsoft Internet Explorer version 8
 - Mozilla Firefox version 3
 - Apple Safari (all versions)
 - Opera (all versions)
- Web Browser Running on a Remote Client System (for operational use)
 - Microsoft Internet Explorer version 7.0.5730.11 or newer minor version with October 2007 or later Cumulative Patch for Internet Explorer 7.
 - Mozilla Firefox version 2.0.0.16 or newer minor version from a Windows or Linux client. The Firefox browser may be downloaded from www.mozilla.org/firefox
- Web Browser Running on the Local Management Server System (for initial installation and configuration use)
 - Any browser supported for operational use (see above) when running on the management server

Internationalization and Localization Support

The NNM iSPI NET version 9.00 diagnostics server is not internationalized and will only operate using the English Locale.

Clustering and High Availability

Use of the NNM iSPI NET diagnostics server on systems that are integrated in an NNMi cluster is not supported. The NNM iSPI NET diagnostics server must be installed on a system separate from the NNMi cluster systems. Each node in the cluster can still utilize the separate NNM iSPI NET diagnostics server. In addition, the NNM iSPI NET diagnostics server is not supported on Windows High Availability implementations. See the *Release Notes* for additional details regarding Clustering and High Availability.

HP NNM iSPI NET Diagnostics Server Supported Network Devices For Diagnostic Flows

Supported Devices

This device support information is based on the latest information available to HP at the time of publication. Note that

device vendors can, at any time, alter a device's command syntax and displayed information (for example, in newer IOS or system software versions) and invalidate NNM iSPI NET diagnostics usage of that device. In general software versions listed indicate minimal versions for proper operation of the diagnostic flow.

Devices are only supported if the device is running in the English locale.

Cisco IOS Version 12.3 offers the best support for executing diagnostics flows on Cisco devices. Earlier versions may work as noted below but some command syntax may indicate a failure when reviewing the diagnostics flow report.

Nortel switch devices, such as the 5510, due to their form-based logon conventions are required to support SSH as a transport mechanism.

| Vendor | Family | Model | Agent's SNMP sysObjectID | Software Version | Notes |
|--------|--|-----------|--------------------------------|----------------------------|--|
| Cisco | 2600 Series Multiservice Platform | 2621 | 1.3.6.1.4.1.9.1.209 | IOS Version 12.3(19) | All commands except for show spanning tree brief should function. |
| Cisco | 2600 Series Multiservice Platform | 2691 | 1.3.6.1.4.1.9.1.413 | IOS Version 12.4(1) | |
| Cisco | 2600 Series Multiservice Platform | 2651 | 1.3.6.1.4.1.9.1.320 | IOS Version 12.2(19a) | Versions earlier than 12.2(19a) may have problems invoking show vlan commands. |
| Cisco | Cisco 2800 Integrated Services Router | 2821 | 1.3.6.1.4.1.9.1.577 | IOS Version 12.4(12) | |
| Cisco | Cisco 2800 Integrated Services Router | 2851 | 1.3.6.1.4.1.9.1.578 | IOS Version 12.4(5a) | |
| Cisco | 3600 Series Multiservice Platform | 3620 | 1.3.6.1.4.1.9.1.122 | IOS 12.2(15)T13 | |
| Cisco | 3600 Series Multiservice Platform | 3640 | 1.3.6.1.4.1.9.1.110 | IOS Version 12.3(19) | All commands except for show spanning tree brief should function. |
| Cisco | Cisco 3700 Multiservice Access Routers | 3725 | 1.3.6.1.4.1.9.1.414 | IOS Version 12.3(9a) | |
| Cisco | 3700 Series Multiservice Platform | 3745 | 1.3.6.1.4.1.9.1.436 | IOS Version 12.2(13)T12 | All commands except for show spanning tree brief should function. |
| Cisco | 4000M Series Routers | 4500 | 1.3.6.1.4.1.9.1.14 | IOS Version 12.2(23) | |
| Cisco | Catalyst 2900 Series XL Switches | 2912XL | 1.3.6.1.4.1.9.1.219 | IOS Version 12.0(5) | All commands except for show interface, show protocols, show vlan should function. |
| Cisco | Catalyst 2950 Series Switches | 2950T-24 | 1.3.6.1.4.1.9.1.359 | IOS Version 12.1(14)EA1a | All commands except for show interface, show protocols, show vlan should function. |
| Cisco | Catalyst 3500 Series XL Switches | 3508G-XL | 1.3.6.1.4.1.9.1.246 | IOS 12.0(5)WC11 | All commands except for show interface, show protocols, show vlan should function. |
| Cisco | Catalyst 3500 Series XL Switches | 3524XL | 1.3.6.1.4.1.9.1.248 | IOS 12.0(5) | All commands except for show interface, show protocols, show vlan should function. |
| Cisco | Catalyst 3560 Series Switches | 3560-24PS | 1.3.6.1.4.1.9.1.563 | IOS Version 12.2(25)SEB4 | All commands except for show vlan and show spanning tree brief. |
| Cisco | Catalyst 3750 Series | 3750 | 1.3.6.1.4.1.9.1.516 | IOS Version 12.2(25)SEB4 | All commands except for show vlan and show spanning tree brief. |
| Cisco | Catalyst 5000 Series Switches | 5000 | 1.3.6.1.4.1.9.5.7 | Version 3.2(8) | Only Cisco Switch Spanning Tree Baseline diagnostic supported. |
| Cisco | Catalyst 5000 Series Switches (RSM) | WS-X5302 | 1.3.6.1.4.1.9.1.168 | IOS Version 11.2(12a.P1)P1 | Only Cisco Switch Baseline supported with some command failures. |
| Cisco | Catalyst 6500 Series Switch | 6503 | 1.3.6.1.4.1.9.1.449 | IOS Version 12.2(18)SXD7 | |
| Cisco | Catalyst 6500 Series Switch | 6506 | 1.3.6.1.4.1.9.1.282 | IOS Version 12.2(18)SXF6 | |
| Cisco | Catalyst 6500 Series Switch | 6509 | 1.3.6.1.4.1.9.1.283 | IOS 12.2(18)SXD7 | |
| Cisco | Cisco 7100 Series VPN Router | 7140 | 1.3.6.1.4.1.9.1.277 | IOS Version 12.2(15)T13 | |
| Cisco | Catalyst 8500 Series Multiservice Switch Routers | 8510 | 1.3.6.1.4.1.9.1.190 | IOS 12.0(1a)W5(6f) | All commands except for show interface summary and show spanning tree brief should function. |
| | Catalyst 8500 Series | | | IOS Version | All commands except for show interface summary and show |

| | | | | | |
|--------|-----------------------------|---------------|-----------------------|------------|---|
| Cisco | Multiservice Switch Routers | 8540 | 1.3.6.1.4.1.9.1.203 | 12.1(6)EY1 | spanning tree brief should function. |
| Nortel | BayStack | Baystack 5510 | 1.3.6.1.4.1.45.3.53.1 | v5.1.1.017 | Must configure SSH to use diagnostic flows. |