

Frequently Asked Questions Network and Security Manager Release 2008.1 (NSM)

What is new in NSM 2008.1?

NSM will no longer be called NetScreen-Security Manager but will now be called Network and Security Manager, since it will be supporting not only SOS and IDP devices but will also add support for the following:

- Secure Access (SA)
- Infranet Controller (IC)
- EX-series Ethernet switches
- J-series routers

New features added in NSM include:

- GUI enhancements
- Policy versioning
- North Bound Interface (NBI)
- Schema updates
- Inventory Management
- Config management (JUNOS® software)
- Search Unused Objects
- Auto Discovery (EX-series switches)
- Template Promotion

Q: Do we need special licensing to manage the new devices?

A: No. The same licensing scheme applies to all devices. NSM is licensed per device.

Q: How is the sizing of NSM impacted by managing new devices?

A: The sizing specs for NSM (software version) stays the same. NSM^{xpress} can support:

NSM ^{xpress}	Number of Devices Supported
J-series	100
Firewall/VPN	200
IDP	15
Secure Access (SSL)	10 (5.3 MB config size)
Infranet Controller (IC)	10 (5.9 MB config size)
EX-series Switches	150
North Bound Interface Clients	5
NSM GUI Clients	10
NSM ^{xpress} Dedicated Support	Number of Devices Supported
FW/VPN Only	500
Firewall/VPN + IDP only	200 = 20 (5 running profiler)
IDP only	50

Q: Is EX-series Ethernet switch Virtual Chassis counted as a single device?

A: Yes. NSM counts it as a single device.

Q: Where can we get the latest schema updates?

A: Latest schema updates can be found on Juniper's support site. NSM also has the capability of downloading these updates from its UI (auto update).

Q: Can we use any objects from the Object Manager in any part of the switch or router configuration—for example, address objects for router access lists?

A: Yes. NSM allows the use of shared objects across all managed devices.

Q: Can I install NSM on Fedora box?

A: No. Please review the latest NSM datasheet with an updated list of supported systems.

Q: When will IPv6 be supported on NSM?

A: This is planned for the later release 2008.2

Q: Is auto discovery available for all devices?

A: No. Today, only EX-series switches support auto-discovery.

Q: Where can I find more information on NSM?

A: You can find all the information here: http://www-int.juniper.net/marketing/product_marketing/securitymanager/.

Q: When will NSM support MS Vista?

A: MS Vista support is planned for the 2008.2 release.

Q: Do we support MAC clients?

A: We don't have an official support for MAC clients, but we have MAC users using NSM with JTAC support.

Q: Does Security Threat Response Manager (STRM) replace the logging for NSM?

A: No. NSM will continue to support basic logging and reporting. There is no additional development work being done to enhance it as STRM provides better and detailed reporting and logging.

Q: Does NSM 2008.1 support RH 5.0?

A: Yes

Q: What is DMI?

A: DMI (Device Management Interface) is an XML/SSH-based protocol which is based on netconf. This protocol allows us to communicate and manage end devices.

Q: Do we have to install a DMI agent on every device?

A: No. DMI agent configuration parameters come pre-installed on all devices. Users will have to activate this agent in order for their devices to be managed by NSM.

Q: What is included in Inventory Management?

A: Using the Inventory Management feature, you will be able to keep track of:

- OS version
- Serial numbers
- Hardware Installed
- Licenses

Q: Where can I find more information on DMI specs?

A: More information can be found at: http://www-int.juniper.net/marketing/product_marketing/securitymanager/.

NSM 2008.1 North Bound Interface (NBI) FAQ's**Q: How can I access NSM NPI?**

A: You can access NSM NPI using the SOAP-compatible Pearl script.

Q: In this release of NSM NPI, what features and functions are supported?

A: In this release NPI will support:

- Central policy management
- NSM object management
- NSM directives:
 - Import devices
 - Update device
 - Summarize delta configuration
 - Get running configuration
 - Retrieve device list per domain
 - Retrieve high level device status
 - Retrieve log packet data

Q: Is there a license for NBI clients?

A: No. No license is required.

Secure Access/Infranet Controller NSM FAQ**Q: What features are supported in NSM 2008.1 for SA/IC devices?**

A: Here is the matrix:

Network and Security Manager 2008.1	SA 6.3	IC 2.2
Inventory Management	Yes	Yes
Security Policy Versioning	No	No
Image Update	No	No
Device Management	Yes	Yes
Policy Abstraction	No	No
Cluster Management	Yes	Yes
In- Device Policy Management	Yes	Yes
Template Management	Yes	Yes
Logging and Reporting	Yes	Yes
Updates and Delta Configs	Yes (via DMI)	Yes (via DMI)
Auto Discovery	Yes (via DMI)	Yes
Supported WorkFlow	Unreachable	Unreachable
Template Operations	Yes	Yes
Status Monitoring	Yes	Yes
Role Based Access	Yes	Yes

Q: What is in-device policy management?

A: Central Policy Management is not supported for SSL/IC devices. Users will have to open each device individually and configure security policies. They can import an existing configuration and promote sections of it to a template. This template can then be deployed across multiple SA/IC devices providing global policy management.

Q: Do I need a special license to manage SA and IC devices?

A: No. You don't need to purchase a separate license for SA/IC devices. NSM is licensed only on a per device basis.

Q: Is NSM going to provide reports for SA/IC in different formats (HTML, PDF, Word and so on)?

A: No. NSM only supports HTML format. If you want more detailed reporting, STRM is the recommended solution.

Q: What happens if the user makes changes to SA/IC boxed with NSM?

A: In the next release of NSM 2008.2, there will be a detection mechanism that will change the device status when the configuration is out of sync. Then the users will have a choice to import or overwrite changes made.

Q: How many members can be supported in a cluster?

A: 16 members are supported.

Q: When we do Delta between configurations, is the output in txt or xml?

A: Today, NSM will display the relevant changes in XML format.

Q: Can we auto-discover SA/IC devices?

A: No. NSM supports an unreachable workflow. Users will have to add the device in NSM and activate the DMI agent (on SA box) for communication.

Q: Are roles and permissions specific to SA/IC functions?

A: No. Currently, there are no SA/IC specific roles and permissions. This is planned for the next release of NSM.

JUNOS Software Management with NSM 2008.1

Q: What features are supported in NSM 2008.1 for devices running JUNOS software?

A: Here is the matrix:

Network and Security Manager 2008.1	J-series 9.0, 9.1	EX-series Switches 9.0, 9.1
Inventory Management	Yes	Yes
Policy Versioning	Yes	No
Image Update	Yes	Yes
Device Management	Yes	Yes
Policy Abstraction	No	N/A
Cluster Management	Yes	Virtual Chassis
In-Device Policy Management	Yes	Yes
Template Management	Yes	Yes
Configuration Management	Yes (JUNOS software)	Yes (JUNOS software)
Logging and Reporting	Yes	Yes
Auto Discovery	No	Yes
Work Flow Support	Unreachable	Reachable, Unreachable
Status Monitoring	Yes	Yes
VPN Management	Yes	N/A
Role Based Access	Yes	Yes

Q: Can you create VPN tunnels between NetScreen and J-series using NSM?

A: Yes. You can use NSM VPN Management to accomplish this.

Q: Can you manage routing in J-series?

A: Yes. You will be able to manage all aspects of the J-series device via NSM.

Q: Are there limitations in supporting different types of devices at the same time?

A: No. NSM supports different types of devices (JUNOS software-based routers and switches as well as security products)—all on the same server.

Q: What are the high level features that are not in J-Web?

A: NSM is a multi-device element management system run as an independent application outside the device, whereas J-Web is a single device management application running embedded on the device. Both cover device configuration, monitoring, log management, as well as configuration and software image change management, from their own “single” versus “multiple device” management perspective.

Q: Does NSM manage non-Juniper switches?

A: No. But, NSM can discover non-Juniper SNMP configured devices and help you to list them as an inventory.

Q: Can NSM understand layer 2/3 protocols to build different topology maps—for example, Spanning Tree Protocol (STP) topology, OSPF adjacencies/topology?

A: NSM Aragorn release does not support topology maps. But NSM Frodo (Dec 08) release will add topology discovery and mapping for layer 2 and 3. It lists the device and its connectivity link with one or more adjacent devices. Logical topology details like STP and OSPF are a future release candidate feature.

Q: In terms of inventory management, in addition to Juniper networking devices, how about the devices that are connected to the switches that are Link Layer Discovery Protocol (LLDP/LLDP-MED) capable? Can these devices be displayed as well—for example, IP phones, wireless APs, and so on.

A: NSM Aragorn release does not support end device connectivity information. But NSM Frodo release will add topology discovery of end device connections. It will show the end device, LP address, MAC address and the port of the switch to which it is connected.

Q: What is NSM’s ability to discover a Juniper device that is already deployed?

A: NSM Aragorn release supports device discovery of network with EX-series switches and JUNOS software enhanced services devices that are already deployed, as long as they support SSH, ping and SNMP

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