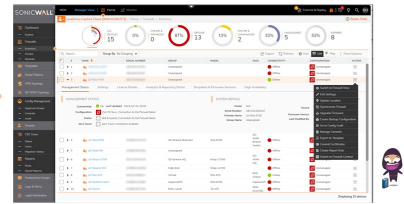


SONICWALL®
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Security Manager



SONICWALL Network Security Manager User Guide

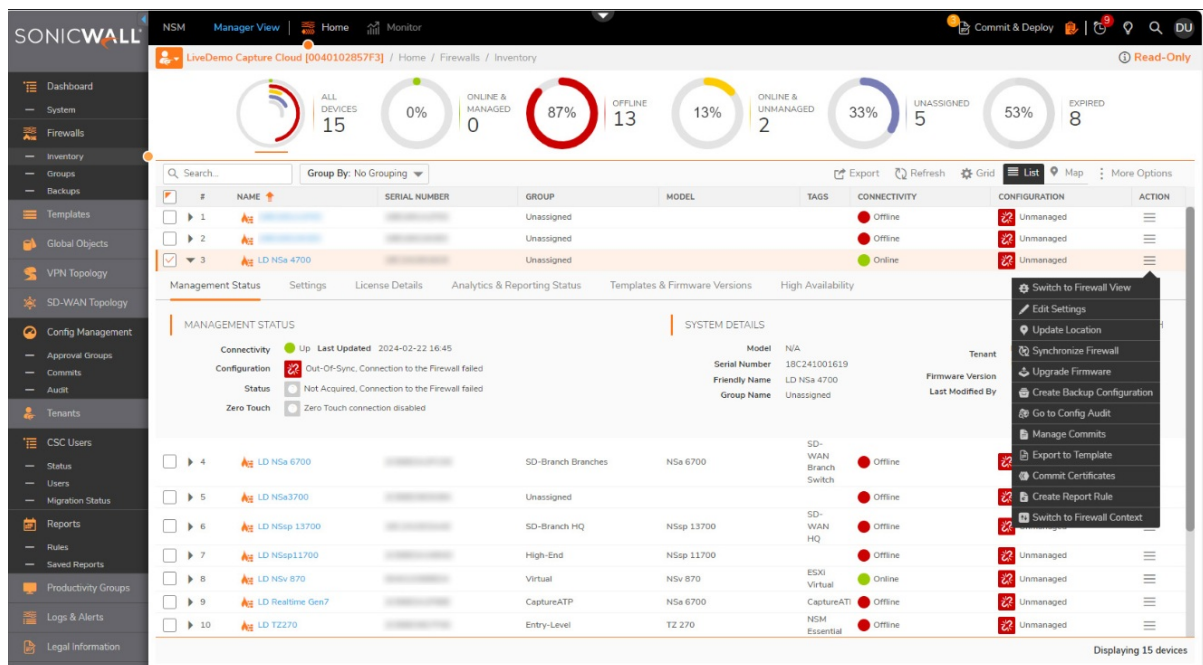
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SONICWALL Network Security Manager



Specifications

- Product: SonicWall Network Security Manager 2.6 On-Premises
- Release Date: December 2024
- Version: 2.6.0 On-Premises

Product Usage Instructions

Upgrade Instructions

To upgrade the NSM, follow these steps:

1. Refer to the knowledge base article on upgrading NSM in a closed network environment for detailed instructions.
2. Create a system backup of the NSM on-premises system before updating.
3. Upgrade the NSM firmware using SWI files following the provided instructions.

Compatibility and Installation Notes

Ensure the following for compatibility and installation:

- Use Google Chrome for optimal real-time graphics display on the Dashboard.
- A MySonicWall account is required for operation.

Capacity Requirements

The capacity requirements for an NSM On-Premises deployment vary based on the platform used. Refer to the table below for platform details and recommended configurations.

Platform	Number of Firewalls	Supported Versions	Recommended Configuration
VMware	1-500	ESXi 7.0, 8.0	4 Cores, 24 GB RAM – 8 Cores, 48 GB RAM
Hyper-V	500-3000	Windows 2019, 2022	8 Cores, 48 GB RAM – 16 Cores, 56 GB RAM
KVM	1-500	Linux Kernel 5.15 LTS	4 Cores, 24 GB RAM – 8 Cores, 48 GB RAM
Azure	1-500	Standard_D4_v2, Standard_D5_v2	8 Cores, 28 GiB RAM – 16 Cores, 56 GiB RAM

New Features

- **Firewall Auto Synchronization:** Automatically synchronizes firewall configuration modifications.
- **Model-Specific Templates:** Helps deploy configurations on multiple firewalls reliably.
- **Management of TZ80:** Supports complete management of TZ80 device with new license model.
- **Firewall Diagnostic Features:** Includes various diagnostic tools for network settings, IP reputation, URL reputation, and switch diagnostics.

FAQ

- **Q: How can I upgrade my NSM to version 2.6.0?**

A: Follow the upgrade path based on your current build mentioned in the table provided in the user manual.

- **Q: Which browser is recommended for optimal performance?**

A: Google Chrome is preferred for real-time graphics display on the Dashboard.

- **Q: What are the key features of NSM 2.6.0 On-Premises?**

A: The key features include Firewall Auto Synchronization, Model-Specific Templates, TZ80 device management, and Firewall Diagnostic Features.

SonicWall Network Security Manager 2.6

On-Premises

Release Notes

These release notes provide information about the SonicWall Network Security Manager (NSM) 2.6 On-premises release.

Versions:

- Version 2.6.0 On-Premises

Version 2.6.0 On-Premises

December 2024

Important

- Refer to the knowledge base article, [How to Upgrade SonicCore and NSM in Closed Network](#) for detailed instructions on upgrading NSM in closed network environment.

- Refer to the knowledge base article, Upgrade NSM on-prem via System Update for detailed instructions on a system upgrade. Prior to update, you need to create a system backup of the NSM on-premises system in case you need to roll back to the prior version. Refer to Backup and Restore an NSM On-Prem System for detailed instructions.
- Refer to knowledge base article, How to Upgrade On-Prem Network Security Manager firmware for detailed instructions on upgrading NSM firmware using SWI files.

Compatibility and Installation Notes

- Most popular browsers are supported, but Google Chrome is preferred for the real-time graphics display on the Dashboard.
- A MySonicWall account is required.

Capacity Requirements: The capacity requirements for an NSM On-Premises deployment have changed:

Platform	Platform Details	Number of Firewalls	Recommended Configuration
VMware	Supported versions:	1-500	4 Cores, 24 GB RAM
	ESXi 7.0, 8.0	500-3000	8 Cores, 48 GB RAM
Hyper-V	Windows 2019, 2022	1-500	4 Cores, 24 GB RAM
		500-3000	8 Cores, 48 GB RAM
KVM	Linux Kernel 5.15 LTS	1-500	4 Cores, 24 GB RAM
		500-3000	8 Cores, 48 GB RAM
Azure	Standard_D4_v2	1-500	8 Cores, 28 GiB RAM
	Standard_D5_v2	500-3000	16 Cores, 56 GiB RAM

Upgrade Instructions

NSM can be upgraded on platforms VMWare, Hyper-V, KVM and Azure using system update or .swi image. You must be at the correct version of NSM before upgrading to NSM 2.6.0. Refer to the table below before attempting to upgrade to NSM 2.6.0.

Current Build Upgrade Path to 2.6.0

- NSM 2.4.4-R7 2.4.4-R7 > 2.5.0 > 2.5.0 HF1 > 2.6.0
- NSM 2.5.0 2.5.0 > 2.5.0 HF1 > 2.6.0
- NSM 2.5.0 HF1 2.5.0 HF1 > 2.6.0

What's New

This release provides the following new features, usability enhancements and fixes for previously reported issues

- Firewall Auto Synchronization: The NSM automatically synchronizes firewall configuration modifications performed from the local UI. This capability is turned off by default but can be enabled at the tenant level.

Please refer to the NSM On-Premises Administration guide to understand the complete feature workflow.

- Firewall Model-Specific Templates: Model-specific templates help administrators reliably deploy the same configuration on a fleet of firewalls.
- Management of TZ80: The NSM On-premises 2.6.0 release supports the complete firewall management capability of the TZ80 device, including support for the new license model of TZ80 and firewall configuration.
- Firewall Diagnostic Features: Starting NSM 2.6.0, users can use firewall diagnostic tools such as Check Network Settings and Connection TopX, the ability to look up domain or IP address (MX and Banner), check for IP reputation using GRID Check, check for URL reputation and perform Switch Diagnostics are available in the firewall view.
- 2FA Authentication for Super Admin: NSM On-premises 2.6.0 introduces 2FA authentication support for super admin users using email-based OTP.
- Usability Enhancements: To better organize the NSM menu options and make NSM terminology intuitive, we have made the following changes in this release.
- Terminology update:
- The firewall's On and Off status has been changed to Online and Offline in the NSM Dashboard.
- The firewall's Unmanaged and Managed status is changed to Out of Sync and In Sync status in the NSM Dashboard and Inventory.
- The firewall's Unassigned status changed to the Device group's unassigned status in the NSM Dashboard and Inventory.

Resolved Issues

Issue ID Description

- NSM-26754 NSM Firewall Group configuration view shows the following error: "Internal Server Error".
- NSM-26334 IP column no longer appears for ZT units following the upgrade to NSM 2.5.0.
- NSM-26254 Firewall Scheduled Backup for "All Devices" is only processing for a maximum limit of 200 devices.
- NSM-26253 NSM 2.5.0 unable to edit user role when clicking the 'save' button.
- NSM-26146 NSM On-Prem When the firewall is down, NSM still shows the firewall up, and the customer is not alerted.
- NSM-26057 The dashboard Map shows firewall locations incorrectly, but the Firewall Inventory map shows them correctly.
- NSM-24566 Static Network Configuration becomes DHCP enabled when exiting safe mode.
- NSM-23575 Upgrading On-Prem to 2.3.5-1 via SWI fails for large configurations.

Known Issues

Issue ID Description

- NSM-27211 The session is expiring while updating the time and date.
- NSM-27204 Restarting NSM throws an internal server error (proceeds with the reboot).
- NSM-26960 The large backup file is not automatically copied to the SCP server when creating an on-demand backup.

Additional References

NSM-25574, NSM-25896, NSM-26075, NSM-26204, NSM-26821.

SonicWall Support

Technical support is available to customers who have purchased SonicWall products with a valid maintenance contract.

The Support Portal provides self-help tools you can use to solve problems quickly and independently, 24 hours a day, 365 days a year.

The Support Portal enables you to:

- View Knowledge Base articles and Technical Documentation
- View and participate in the Community Forum discussions
- View Video Tutorials
- Access
- Learn about SonicWall Professional Services
- Review SonicWall Support services and warranty information
- Register at SonicWall University for training and certification

About This Document



NOTE: A NOTE icon indicates supporting information.



IMPORTANT: An IMPORTANT icon indicates supporting information.



TIP: A TIP icon indicates helpful information.



CAUTION: A CAUTION icon indicates potential damage to hardware or loss of data if instructions are not followed.



WARNING: A WARNING icon indicates a potential for property damage, personal injury, or death.

Network Security Manager Release Notes

Updated – December 2024

232-006225-00 Rev A

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End User Product Agreement

To view the SonicWall End User Product Agreement, go to: <https://www.sonicwall.com/legal/end-user-product-agreements/>.

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General Public License Source Code Request

Attn: Jennifer Anderson


1033 McCarthy Blvd

Milpitas, CA 95035

Network Security Manager Release Notes

SonicWall Network Security Manager 2.6 On-Premises

Documents / Resources

	SONICWALL Network Security Manager [pdf] User Guide Network Security Manager, Security Manager, Manager
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