



SONICWALL[®]

SonicOS 8

Migration Requirements
Reference Guide

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Migrating Your Firewall

This guide provides step-by-step guidance for migrating configuration settings from older SonicWall firewalls to newer Gen8 TZ and NSa Series models. It covers supported models, firmware requirements, limitations, and caveats to ensure a smooth, efficient migration that preserves existing policies and minimizes downtime.

SonicWall Generation 8 TZ and NSa Settings Migration

Upgrading to a Generation 8 (Gen8) firewall is streamlined through built-in features in the TZ and NSa Series, which allow you to import configuration settings directly from supported legacy SonicWall devices. This eliminates the need for manual reconfiguration and reduces the risk of errors.

Key Advantages

- Saves time with automated configuration migration
- Maintains consistent policies across hardware generations
- Simplifies deployment and rollback planning

Settings Import Feature

- **Export/Import Settings:**
In a typical greenfield deployment, devices must be configured from scratch. However, when upgrading from select current or previous generation models, Gen8 TZ and NSa firewalls allow you to import an existing settings (.exp) file directly to the new device.
- **Prerequisites – Supported Source Firewalls:**
Gen8 target models that support settings migration are as follows:

- **TZ Series:** TZ80, TZ280, TZ280P, TZ280W, TZ380, TZ380W, TZ480, TZ580, TZ680
- **NSa Series:** NSa 2800, NSa 3800, NSa 4800, NSa 5800, and NSa 6800

Topics:

- [Supported Models and Firmware](#)
- [Migration Considerations](#)
- [Known Migration Issues](#)
- [Interfaces with Unmatched Cases](#)
- [Other Expected Behavior](#)
- [Recommended Migration Steps](#)

Supported Models and Firmware

The SonicWall TZ80, TZ280, TZ280P, TZ280W, TZ380, TZ380W, TZ480, TZ580, TZ680, NSa 2800, NSa 3800, NSa 4800, NSa 5800, and NSa 6800 firewalls support in-product migration, allowing you to import settings from supported devices running specific firmware versions. The migration paths listed below are the most common ones, but all available options are described in [Understanding Your Migration Options](#). The settings import process also includes certain caveats, which are addressed in the sections that follow.

- SOHO / SOHO-W → TZ80
- TZ270 → TZ280
- TZ570P → TZ280P
- TZ270W → TZ280W
- TZ370 → TZ380
- TZ370W → TZ380W
- TZ470 → TZ480
- TZ570 → TZ580
- TZ670 → TZ680
- NSa 2600 / NSa 2650 → NSa 2800
- NSa 2700 → NSa 2800
- NSa 3600 → NSa 3800
- NSa 3700 → NSa 3800
- NSa 4700 → NSa 4800
- NSa 5700 → NSa 5800
- NSa 6700 → NSa 6800

Only certain releases are supported for migration to the latest SonicWall product, so refer to the following tables to see which models are compatible:

SOHO	Firmware
MR	5.9.1.8-10o and later
MR	5.9.2.14-12o and later
GR	5.9.1.7-2o
MR	5.9.1.4-4o

SOHOW	Firmware
MR	6.5.4.14 and later
GR	6.5.4.13-105n and later GRs

SonicOS 6 / SonicOS 6.5	Firmware
MR	6.5.4.14 and later
GR	6.5.4.13-105n and later GRs

SonicOS Migration: From Gen 7 to Gen 8

Gen 7	Gen 8
7.0.1-X	8.0.0 and later
7.1.1-X	8.0.0 and later
7.1.2	8.0.0 and later
7.1.3	8.0.0 and later
7.2.X	8.1.0 and later
7.3.X	8.1.0 and later

NOTE:

- SonicOS 8.1 will be available for the following models: TZ80, TZ280, TZ380, TZ380W, TZ480, TZ580, TZ680, NSa 2800, NSa 3800, NSa 4800, and NSa 5800.
- The TZ280P, TZ280W, and NSa 6800 will instead receive SAML updates and additional features in SonicOS 8.2.0.
- SonicOS 8.2.0 is the planned release that will unify support for all new products currently supported on SonicOS 8.0.4, while also incorporating the features introduced in version 8.1.0.

Migration Considerations

When migrating to a Gen8 firewall, review the following limitations, known issues, and special cases to ensure a smooth transition.

Unsupported Features

Migration is not possible if these are configured:

- Wiremode/Tapmode on TZ80
- Internal Wireless configuration (hardware limitation)
- PoE configuration (hardware limitation)
- Port Redundancy, Active/Active Clustering, DPI
- Advanced Switching, Dell Switch Integration

- VLAN, WLAN tunnel, or other tunnel interfaces (must be removed before migration)
- GMS Configurations, Capture Client Enforcement, Advanced BWM
- L3 Link Aggregation

Unsupported Settings

The following settings are not migrated and require manual reconfiguration.

- CFS 3.0 (replaced by CFS 5.0)
- High Availability (HA) control interfaces
- Certificates (must be exported/imported separately)
- Certain VPN and IP-Helper policies
- Syslog server configurations in some migrations

Known Migration Issues

- **Unsupported interfaces block migration**
 - VLAN, WLAN tunnel, or other tunnel interfaces must be removed before import.
- **Address object discrepancies**
 - Default address objects could be discarded if the target device lacks equivalent interfaces.
- **Feature settings may be dropped**
 - Advanced BWM, Port Redundancy, and PoE configurations are removed on devices that do not support them.
- **Encryption changes**
 - Certain deprecated algorithms (such as AESGCM128) are automatically replaced or set to “None” where unsupported.

Interfaces with Unmatched Cases

The following interfaces return with unmatched cases.

- **SOHOW to TZ80 migrations**
 - VLAN or tunnel interfaces on the SOHOW source device are not supported.
 - Interface **W0** does not exist on the TZ80. Any configurations referencing W0 are dropped.
 - W0-related default address objects and groups are discarded. Configurations that reference these objects must be manually corrected after migration.

Other Expected Behavior

- **TZ80 X4 port behavior**
 - The X4 port is an SFP port and remains in a no-link state after migration.
 - Link speed for X4 displays as “N/A.”

Recommended Migration Steps

The following steps outline the recommended process for migrating to a Gen8 firewall.

1. **Confirm Compatibility** – Verify that the source device and firmware are supported for migration.
2. **Remove Unsupported Interfaces** – Delete any VLAN, tunnel, or WLAN configurations prior to export.
3. **Export Configuration File** – Generate an `.EXP` file from the source device.
4. **Use the Migration Tool (if needed)** – Convert the settings for intermediate compatibility where required.
5. **Import to Gen8 Device** – Upload the settings file to your new TZ or NSa Series firewall.
6. **Validate the Configuration** – Review key policies, address objects, and settings to ensure they transferred correctly.

Understanding Your Migration Options

Your current device type determines the migration strategy and the steps required to migrate earlier SonicOS platforms to SonicOS 8 devices. With the release of SonicOS 8.0 for SonicOS 8 firewall platforms, direct migration from a legacy source device (SonicOS 6/6.5 and SOHO-SonicOS 5) to SonicOS 8 target devices is supported.

Table Legend

The following legend applies to the tables appearing in [Migrating SonicOS 6 to SonicOS 8](#) and [Migrating SonicOS 7 to SonicOS 8](#).

Y Supported

N Unsupported

Y* Supported but the import fails when VLAN or tunnel interfaces are present in the settings file.

Y# In-product migration is not supported; a **Migration App** accessible through NSM is required to perform a settings migration.

① **NOTE:** Use the Migration App on NSM when migrating between NSa 2650 and the NSa 2800 because of interface differences.

① **IMPORTANT:** Importing settings from supported firewalls fails if VLANs or tunnel interfaces are present, except when migrating between equivalent models (for example, NSa 2700 → NSa 2800 or NSa 3700 → NSa 3800). To ensure the settings import succeeds, remove any VLAN or tunnel interface configurations before continuing.

Recommended: Alternatively, use the existing Migration Tool to convert the settings to the equivalent Gen 7 firewall format, and then import them into the Gen 8 firewalls.

The following sections summarize the migration paths that best suit your devices.

Topics:

- [Migrating SonicOS 6 to SonicOS 8](#)
- [Migrating SonicOS 7 to SonicOS 8](#)
- [Migrating SonicOS 6/7 to SonicOS 8 using NSM](#)

Migrating SonicOS 6 to SonicOS 8

Use the following table to determine migration compatibility when moving from SonicOS 6 to SonicOS 8.

SonicOS 6/6.5 Device	TZ80	TZ280	TZ280W	TZ280P	TZ380	TZ380W	TZ480	TZ580	TZ680	NSa 2800	NSa 3800	NSa 4800	NSa 5800	NSa 6800
SOHOW	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
SOHO250	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
SOHO250W	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ300	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ300P	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ300W	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ350	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ350W	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ400	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ400W	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ500	N	N	N	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ500W	N	N	N	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ600	N	N	N	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ600P	N	N	N	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
NSa 2600	N	N	N	N	N	N	N	N	N	Y*	Y*	Y*	Y*	Y*
NSa 2650	N	N	N	N	N	N	N	N	N	Y#	Y*	Y*	Y*	Y*
NSa 3600	N	N	N	N	N	N	N	N	N	Y*	Y*	Y*	Y*	Y*
NSa 3650	N	N	N	N	N	N	N	N	N	N	Y*	Y*	Y*	Y*
NSa 4600	N	N	N	N	N	N	N	N	N	N	Y*	Y*	Y*	Y*
NSa 4650	N	N	N	N	N	N	N	N	N	N	Y*	Y*	Y*	Y*
NSa 5600	N	N	N	N	N	N	N	N	N	N	N	Y*	Y*	Y*
NSa 5650	N	N	N	N	N	N	N	N	N	N	N	Y*	Y*	Y*
NSa 6600	N	N	N	N	N	N	N	N	N	N	N	N	Y*	Y*
NSa 6650	N	N	N	N	N	N	N	N	N	N	N	N	Y*	Y*
SM9200	N	N	N	N	N	N	N	N	N	N	N	N	N	Y*
NSa 9250	N	N	N	N	N	N	N	N	N	N	N	N	N	Y*
SM9400	N	N	N	N	N	N	N	N	N	N	N	N	N	Y*
NSa 9450	N	N	N	N	N	N	N	N	N	N	N	N	N	Y*
SM9600	N	N	N	N	N	N	N	N	N	N	N	N	N	Y*
NSa 9650	N	N	N	N	N	N	N	N	N	N	N	N	N	Y*
SM9800	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NSsp 12400	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NSsp 12800	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Migrating SonicOS 7 to SonicOS 8

Use the following table to determine migration compatibility when moving from SonicOS 7 to SonicOS 8.

SonicOS 7 Device	TZ80	TZ280	TZ280W	TZ280P	TZ380	TZ380W	TZ480	TZ580	TZ680	Nsa 2800	Nsa 3800	NSa 4800	NSa 5800	NSa 6800
TZ270	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ270W	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ370	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ370W	N	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ470	N	Y	Y*	Y*	Y	Y*	Y	Y	Y	Y*	Y*	Y*	Y*	Y*
TZ470W	N	Y*	Y	Y*	Y*	Y	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ570	N	Y	Y*	Y*	Y	Y*	Y	Y	Y	Y*	Y*	Y*	Y*	Y*
TZ570P	N	Y*	Y*	Y	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ570W	N	Y*	Y	Y*	Y*	Y	Y*	Y*	Y*	Y*	Y*	Y*	Y*	Y*
TZ670	N	N	N	N	N	N	Y	Y	Y	Y*	Y*	Y*	Y*	Y*
NSa 2700	N	N	N	N	N	N	N	N	N	Y	Y*	Y*	Y*	Y*
NSa 3700	N	N	N	N	N	N	N	N	N	Y*	Y	Y*	Y*	Y*
NSa 4700	N	N	N	N	N	N	N	N	N	N	Y*	Y*	Y*	Y*
NSa 5700	N	N	N	N	N	N	N	N	N	N	N	Y	Y	Y
NSa 6700	N	N	N	N	N	N	N	N	N	N	N	N	Y*	Y*
NSsp 10700	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NSsp 11700	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NSsp 13700	N	N	N	N	N	N	N	N	N	N	N	N	N	N
NSsp 15700	N	N	N	N	N	N	N	N	N	N	N	N	N	N

Migrating SonicOS 6/7 to SonicOS 8 using NSM

Use the following table to determine migration compatibility when moving from SonicOS 6/7 to SonicOS 8 using Network Security Manager (NSM).

The Migration App, introduced in NSM version 3.1 and later, is integrated within the platform to facilitate seamless migration of configuration settings. Initial support is provided for GEN8 TZ and NSa models, as listed below.

Source Firewalls	Target Model
NSa 2600, NSa 2650, NSa 2700	NSa 2800
NSa 3600, NSa 3650, NSa 3700	NSa 3800
TZ300, TZ300W, TZ300P, TZ350, TZ350W, TZ370, TZ370W	TZ380
SOHO, SOHOW	TZ80
ⓘ NOTE: SOHOW is partially supported through NSM.	
TZ400, TZ400W	TZ480
TZ470, TZ470W	
TZ600, TZ600P	TZ680
TZ670	
SOHO, SOHOW, SOHO250, SOHO250W, TZ300, TZ300W, TZ300P	TZ280
TZ270, TZ270W	
SOHO, SOHOW, SOHO250, SOHO250W, TZ300, TZ300W, TZ300P	TZ280P
TZ270, TZ270W	

Source Firewalls	Target Model
SOHO, SOHOW, SOHO250, SOHO250W, TZ300, TZ300W, TZ300P TZ270, TZ270W	TZ280W
TZ300, TZ300W, TZ300P, TZ350, TZ350W, TZ400W, TZ500W TZ370, TZ370W, TZ470W, TZ570W	TZ380W
NSa 4600, NSa 4650 NSa 4700	NSa 4800
NSa 5600, NSa 5650 NSa 5700	NSa 5800
NSa 6600, NSa 6650 NSa 6700	NSa 6800

Licensing Requirements

With the release of SonicOS 8, SonicWall is offering licensing tiers to support the TZ80, TZ280, TZ280P, TZ280W, TZ380, TZ380W, TZ480, TZ580, TZ680, NSa 2800, NSa 3800, NSa 4800, NSa 5800, and NSa 6800 firewalls.

① **NOTE:** With the following licensing models, the firewall checks in with MySonicWall every 30 days to confirm active subscriptions. When a firewall's license expires, it is out of subscription compliance. However, the service remains active for an additional 90 days after the license expiration, but the firewall will not pass any additional traffic until the new license key has been applied.

The licensing tiers are identified as follows:

- **Secure Connect Lite**
Supporting TZ80
- **Secure Connect**
Supporting TZ80
- **Advanced Protection Security Suite**
Supporting SonicOS 8
- **Managed Protection Security Suite**
Supporting SonicOS 8

Some form factors can also offer **Hardware Only** (a naked firewall with no license/software subscription).

Unified Management License Subscriptions

Unified Management has the following license packaging options:

- **Monthly subscription:**
With this option, you can pay a monthly subscription fee for 24/7 access to Unified Management. This option is excellent for organizations with unpredictable or fluctuating cloud security needs.
- **Annual subscription:**
With this option, you can pay a yearly subscription fee for 24/7 access to Unified Management. This is an excellent option for organizations with predictable cloud security needs and who would like to save money on the overall cost of the platform.

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:

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About This Document

SonicOS Migration Requirements Reference Guide

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

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