



STORMSHIELD



STORMSHIELD NETWORK SECURITY
STORMSHIELD NETWORK SSL VPN CLIENT

RELEASE NOTES

Version 3

Document last updated: February 23, 2023

Reference: [sns-en-ssl_vpn_client_release_notes-v3.2.1](#)



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In the documentation, Stormshield Network SSL VPN Client is referred to in its short form: SN SSL VPN Client and Stormshield Network Security under the short form SNS.

This document is not exhaustive and minor changes may have been included in this version.



Compatibility

The following platforms are compatible with SN SSL VPN Client 3.2.1.

Stormshield Network Firewall

3.x and 4.x

Operating systems

Windows 8.1 - 64 bits
Windows 10 - 64 bits (up to date)
Windows 11 - 64 bits

i NOTE

SN SSL VPN Client is not compatible with computers, smartphones and tablets equipped with ARM processors.

Multifactor authentication methods

This table lists the compatible multifactor authentication methods according to the version installed on the SNS firewall and the connection mode that the SN SSL VPN Client uses.

SNS version	Connection mode used by the SN SSL VPN Client	Password + OTP	OTP only	Push mode	TOTP
4.5 or higher	All modes	✓	✓	✓	✓
4.3 and 4.4	All modes	✓	✓	✓	✗
3.x, 4.2 or below	Automatic mode	✗	✗	✗	✗
	Manual mode	✓	✓	✗	✗

The SN SSL VPN Client's connection modes are: Automatic mode and manual mode.



Resolved vulnerabilities in version 3.2.1

OpenSSL

A moderate severity vulnerability was fixed in OpenSSL.

Details on this vulnerability can be found on our website
<https://advisories.stormshield.eu/2023-011>.



Version 3.2.1 bug fixes

Multifactor authentication - OTP

Support reference 85005

An issue that prevented authentication with an OTP has been fixed. This regression appeared in SN SSL VPN Client version 3.2.0.

.bat scripts run by SN SSL VPN Client

Interruption of the VPN tunnel after running an opening script

Support reference 85009

When SN SSL VPN Client ran a script while the VPN tunnel was being set up with the SNS firewall, the tunnel would be interrupted if the execution of the script lasted two seconds or more. This issue, which generated the error *'The SSL VPN was disconnected when Windows was in sleep or hibernate mode, so you must log in again.'* has been fixed.

Removal of opening and closing scripts

Support reference 85013

Scripts run by SN SSL VPN Client when opening or closing the VPN tunnel with the SNS firewall were not deleted from the Windows workstation when they were removed from the SNS firewall's SSL VPN configuration. As such, these scripts would continue to run. This issue has been fixed.



Documentation resources

The technical documentation resources are available in the documentation base on the [Stormshield technical documentation](#). We suggest that you rely on these resources for a better application of all features in this version.

Please refer to the Stormshield [Knowledge base](#) for specific technical information and to watch videos that the TAC (Technical Assistance Center) has created.



Downloading this version

Going to your MyStormshield personal area

You need to go to your [MyStormshield](#) personal area in order to download the 3.2.1 version of SN SSL VPN Client:

1. Log in to MyStormshield with your personal identifiers.
2. In the left panel, select **Downloads**.
3. In the right panel, select the relevant product and version.

Checking the integrity of the binary files

To check the integrity of SN SSL VPN Client binary files:

1. Enter one of the following commands and replace `filename` by the name of the file you want to check:
 - Linux operating system: `sha256sum filename`
 - Windows operating system: `CertUtil -hashfile filename SHA256`
2. Compare with hashes provided on [MyStormshield](#) personal area, section **Downloads**.



Previous versions of SN SSL VPN Client 3

In this section, you will find the features, resolved vulnerabilities and fixes from previous versions of SN SSL VPN Client 3.

3.2.0	New features	Resolved vulnerabilities	Bug Fixes
3.1.1			Bug Fixes
3.1.0		Resolved vulnerabilities	Bug Fixes
3.0.1			Bug Fixes
3.0.0	New features	Resolved vulnerabilities	Bug Fixes



New features and enhancements in version 3.2.0

Installation

From version 3.2 of the SN SSL VPN Client onwards, the client can be installed on a host without the need to uninstall the original version, as long as the original is equal to or higher than version 2.9.



Resolved vulnerabilities in version 3.2.0

System

A high severity vulnerability was fixed in the SN SSL VPN Client.

Details on this vulnerability can be found on our website
<https://advisories.stormshield.eu/2021-028/>.

Several moderate severity were fixed in the SN SSL VPN Client.

Details on these vulnerabilities can be found on our website:

- <https://advisories.stormshield.eu/2022-028/>,
- <https://advisories.stormshield.eu/2022-029/>.



Version 3.2.0 bug fixes

Using the client on a Windows user profile with special characters

Support reference 84668

The SN SSL VPN Client now runs correctly when it is installed on a Windows user profile with a user name that contains special characters (é, ç, ø, Ć, etc.). Previously, this issue would generate the error "*Failed to extract the configuration file*".

Quitting sleep or hibernate mode on a Windows workstation

Support reference 84499

If the VPN was not disconnected and the Windows workstation went into sleep or hibernate mode, the routes included in the SSL VPN configuration and installed on the workstation were not deleted. This could prevent the VPN tunnel from functioning after it quits sleep or hibernate mode.

This issue has been fixed and the VPN tunnel is now automatically disconnected after it quits sleep or hibernate mode. The user is informed of this with a notification.



Version 3.1.1 bug fixes

System

Installing SN SSL VPN Client

SN SSL VPN Client version 3.1.0 could not be installed if the TAP network driver was already present on the system. This issue has been fixed. The issue would generate the *"There is a problem with the Windows Installer package."* error. Support reference 84687

Uninstalling SN SSL VPN Client

It is now possible to uninstall SN SSL VPN Client version 3.1.0 if the TAP network driver is no longer present on the system.



Resolved vulnerabilities in version 3.1.0

System

A high severity vulnerability was fixed in SN SSL VPN Client.

Details on this vulnerability can be found on our website
<https://advisories.stormshield.eu/2021-004/>.



Version 3.1.0 bug fixes

System

Setting up tunnels

Support reference 82807

An issue, which prevented SSL VPN tunnels from being set up when proxy settings were configured in Internet Explorer properties, has been fixed. This regression appeared in SN SSL VPN Client version 2.9.1.



Version 3.0.1 bug fixes

System

Automatic mode - Entering a custom port

Support reference 84329

In automatic mode, SN SSL VPN Client now correctly applies custom ports entered for the captive portal (other than default port 443).

Missing *auth_management.txt* file after installing SN SSL VPN Client

Support reference 84348

In some configurations, even after the installation of SN SSL VPN Client has ended, the *auth_management.txt* file would not be installed on the system, therefore preventing SN SSL VPN Client from running. This issue has been fixed.



New features and enhancements in version 3.0.0

Compatibility

SN SSL VPN Client in version 3.0.0 is now a 64-bit service, so it is compatible only with 64-bit operating systems.

Multifactor authentication - OTP

Users can now specify that they use multifactor authentication by selecting a new option in the SN SSL VPN Client connection window in version 3.0.0. After selecting this option, the user can enter an OTP in a separate field.

This additional field allows SN SSL VPN Client to support the following multifactor authentication methods:

- **Password + OTP:** to use this method, select the **Use multifactor authentication** checkbox and fill in the **Password** and **OTP code** fields.
- **OTP only:** to use this method, select the **Use multifactor authentication** checkbox, leave the **Password** field empty and fill in the **OTP code** field.
- **Push mode:** to use this method, select the **Use multifactor authentication** checkbox and leave the **Password** and **OTP code** fields empty.

For more information on the compatibility of multifactor authentication methods according to the version installed on the SNS firewall and the connection mode used by SN SSL VPN Client, refer to the section on [Compatibility](#).



[More information about how to configure and use SSL VPN on SNS firewalls.](#)



Resolved vulnerabilities in version 3.0.0

System

A moderate severity vulnerability was fixed in SN SSL VPN Client.

Details on this vulnerability can be found on our website
<https://advisories.stormshield.eu/2021-019/>.



Version 3.0.0 bug fixes

System

Disconnecting the tunnel when the session shuts down

Support references 81985 - 82934 - 83152

When users closed then reopened their Windows session without restarting their machine, SN SSL VPN Client would not disconnect the tunnel when the Windows session was shut down. The tunnel would therefore remain up when the Windows session was reopened even though the SN SSL VPN Client icon in the taskbar indicated otherwise. This issue has been fixed.

Deployment with Microsoft Intune

Support reference 82577

SN SSL VPN Client in version 2.9 no longer functioned after it was deployed with Microsoft Intune. This issue has been fixed.



Contact

To contact our Technical Assistance Center (TAC) Stormshield:

- <https://mystormshield.eu/>

All requests to technical support must be submitted through the incident manager in the private-access area https://mystormshield.eu, under **Technical support > Report an incident / Follow up on an incident**.

- +33 (0) 9 69 329 129

In order for us to provide high-quality service, you are advised to use this communication method only to follow up on incidents that have been created earlier on <https://mystormshield.eu>.



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