



STORMSHIELD



STORMSHIELD NETWORK SECURITY
STORMSHIELD SSL VPN CLIENT

RELEASE NOTES

Version 4

Document last updated: March 13, 2025

Reference: [sns-en-ssl_vpn_client_release_notes-v4.0.10](#)



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In the documentation, Stormshield Network Security is referred under the short form "SNS".
This document is not exhaustive and minor changes may have been included in this version.



Change log

Date	Description
March 13, 2025	New document



New SN SSL VPN Client behavior

This section lists the changes made to the automatic behavior of the Stormshield SSL VPN Client when it is updated from the latest available version 3 to 4.0.10.

Changes introduced in version 4.0.10

 [Find out more](#)

- Windows proxy - By default, version 4.0.10 of Stormshield SSL VPN Client in **Automatic mode** no longer uses the proxy configuration that is defined on the workstation to contact the SNS firewall in HTTPS, notably to download the VPN configuration. This change reverts to the previous behavior of version 3.2.

Changes introduced in version 4.0.5 EA

- Address book - The address book format has been changed to increase security on Stormshield SSL VPN Client version 4. This new format is not compatible with lower versions. For more information, refer to the section [Limitations and explanations on usage](#) in the technical note *Configuring and using the SSL VPN on SNS firewalls*.
- Compatibility - Stormshield SSL VPN Client is no longer compatible with Windows 8.1.
- Certificates:
 - As the SHA-1 and MD5 algorithms make it possible to sign certificates that are obsolete, they will no longer be supported in a later version of Stormshield SSL VPN Client. It is essential for administrators to update their certificates immediately. Refer to the procedure in the article on [How can I regenerate the sslvpn-full-default-authority?](#) in the Stormshield knowledge base.
 - The Stormshield SSL VPN Client installation folder in version 4 has been changed. During the initial connection, some users will need to indicate once again that the SNS firewall certificate has to be trusted.



New features and enhancements in version 4.0.10

Compatibility with SNS firewalls in version 4.3 LTSB

Compatibility of Stormshield SSL VPN Client v4 with SNS firewalls in version 4.3 LTSB has been improved.

Updating Stormshield SSL VPN Client from a 2.7 version

When Stormshield SSL VPN Client is updated to version 4.0.10 or higher, the installation program of the new version now uninstalls previous versions until 2.7. Previously, it would manage the uninstallation of earlier versions until version 2.9.

As a reminder, when an address book from Stormshield SSL VPN Client in version 2 or 3 is opened in version 4, its format will be automatically updated, and it can no longer be used with its original version. If necessary, you can keep a copy of the address book file in version 2 or 3 before updating Stormshield SSL VPN Client to version 4.

Logs

SSL VPN connection logs are now persistent. As such, they are no longer created systematically after every time an SSL VPN tunnel is set up.

 [More information on looking up SSL VPN connection logs.](#)

Windows proxy

By default, version 4.0.10 of Stormshield SSL VPN Client in **Automatic mode** no longer uses the proxy configuration that is defined on the workstation to contact the SNS firewall in HTTPS, notably to download the VPN configuration. This change reverts to the previous behavior of version 3.2. Support reference 85994

When you encounter connection issue, you can change this behavior by modifying the **http_use_default_proxy** and **http_request_as_user** values in the registry base under the key:

```
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Services\StormshieldSSLVPNService\Parameters
```

 [More information on troubleshooting when using Stormshield SSL VPN Client.](#)



Version 4.0.10 bug fixes

Address book

Bug fixes have been applied to address books:

- Accented or special characters in address book entries were replaced with a question mark when address books were saved without password protection,
- Address books were neither read nor saved when the folder of the Windows session user [%USERPROFILE%] contained accented or special characters.

These issues have been fixed.

Compliance verification (ZTNA)

Whenever client workstation compliance (ZTNA) verification is enabled, and a user connects without multifactor authentication (**Using multifactor authentication** checkbox unselected), key renegotiation now functions. It no longer wrongly disconnects the user, and the tunnel remains up following the the renegotiation of keys by OpenVPN.



Compatibility

For more information, refer to the section [SSL VPN client](#) in the *Product life cycle guide*.

For more information on the compatibility of authentication methods and Stormshield SSL VPN Client features, refer to the section [Specific characteristics of Stormshield SSL VPN clients](#) in the technical note *Configuring and using the SSL VPN on SNS firewalls*.

Known issues

The updated list of known issues relating to this version of Stormshield SSL VPN Client can be found in the Stormshield [Knowledge base](#). To log in to the Knowledge base, use the same credentials as for your [MyStormshield](#) client area.

Limitations and explanations on usage

For more information, refer to the section [Limitations and explanations on usage](#) in the technical note *Configuring and using the SSL VPN on SNS firewalls*.

Documentation resources

Technical documentation resources are available on the [Stormshield technical documentation](#) website. We recommend that you rely on these resources to get the best results from all features in this version.

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



Installing this version

To update Stormshield SSL VPN Client to version 4.0.10, ensure that you have read the following first:

- The section [New SN SSL VPN Client behavior](#) in this document,
- The section [SSL VPN Client](#) in the *Network Security & Tools Product Life Cycle guide*,
- The section [Limitations and explanations on usage](#) in the technical note *Configuring and using the SSL VPN on SNS firewalls*.

To download and install Stormshield SSL VPN Client, refer to the section [Installing the client SSL VPN Stormshield](#) in the technical note *Configuring and using the SSL VPN on SNS firewalls*.



Previous versions of Stormshield SSL VPN Client v4

In this section, you will find new features, resolved vulnerabilities and fixes from previous versions of Stormshield SSL VPN Client v4.

4.0.9		Bug fixes
4.0.8 EA	Version not published	
4.0.7 EA		Bug fixes
4.0.6 EA		Bug fixes
4.0.5 EA	New features	Bug fixes
4.0.4	Version not published	
4.0.3	Version not published	
4.0.2	Version not published	
4.0.1	Version not published	
4.0.0	Version not published	



Version 4.0.9 bug fixes

System

Communication with the OpenVPN process

The mechanism that verifies the port used by the Stormshield SSL VPN client to communicate with the OpenVPN process has been enhanced. Errors such as “Could not reserve the port to communicate with the OpenVPN process” and “Could not purge the log file of the OpenVPN process” no longer appear unexpectedly.

Now, when the port verification fails, the message “Connection to the OpenVPN process is not secure” appears.

Multi-account installation

Enhancements have been applied to multi-account installations. Now, when a VPN tunnel is set up in a locked session, the tunnel will automatically be disconnected when other users open their own sessions.

There is no longer any need to ask individual users sharing a workstation to close their sessions after use. Each user can therefore set up his or her own tunnel, but only one tunnel can be set up at a time on the workstation.

Access to logs

When no connection attempts have been made, and no logs have been generated, clicking on the **Logs** pop-up menu now correctly redirects the user to the log destination folder.

Connection

Connecting to the SNS firewall - TCP or UDP port blocked

When the connection to the SNS firewall does not succeed because the TCP or UDP port has been blocked on it, the Stormshield SSL VPN client will no longer wrongly attempt to connect continuously. Now the message “Unable to connect to SSL VPN: the maximum number of connection attempts has been reached” appears after five connection attempts.

Connecting to the SNS firewall in version 4.3 - Customized certificate

Support reference 84992

Users can now set up a VPN tunnel with a customized certificate when the firewall is in SNS version 4.3. This regression appeared in version 4.0.5 EA.

Filling in the OTP - Push mode field

The **OTP** field no longer needs to be filled in, making it possible once again to connect through push notifications (**Push mode**). This regression appeared in version 4.0.5 EA.



Manual mode

Displaying profiles in the pop-up menu

Address book entries from the Stormshield SSL VPN client are no longer wrongly displayed in the **Manual mode** pop-up menu.

Adding or deleting profiles when a VPN tunnel has been set up

Profiles can no longer be added or deleted in the **Manual mode** pop-up menu once a VPN tunnel has been set up. Previously, remaining items from profiles would persist when such profiles were deleted after a VPN tunnel had been set up.



Version 4.0.8 EA not published

Version 4.0.8 EA of the Stormshield SSL VPN Client is not available to the public.



Version 4.0.7 EA bug fixes

Connection

When the password contains a special character as &, the connection to Stormshield SSL VPN Client v4 was impossible in automatic mode. This issue has been fixed.



Version 4.0.6 EA bug fixes

Compatibility

Stormshield SSL VPN Client v4 is compatible again with SNS firewalls version 4.3. This regression appeared in version 4.0.5 EA



New features and enhancements in version 4.0.5 EA

Compliance verification (ZTNA)

Stormshield SSL VPN Client is compatible with the feature that verifies the compliance of client workstations, which can now be configured on SNS firewalls in from version 4.8 onwards.

[More information on the SNS firewall compliance verification.](#)

Installation

Multi-account installation

Stormshield SSL VPN Client can now be installed on several user profiles on the same Windows workstation. Individual users have their own address books and own logs.

However, Stormshield SSL VPN Client must not be launched on several profiles simultaneously. We recommend that users who share a Windows workstation with other users ensure that they shut down their sessions. Otherwise, the workstation will need to be restarted so that other users can set up tunnels.

Do note that:

- The installation always requires local administrator privileges on the workstation or the user must enter the login and password of an administrator account,
- The Stormshield SSL VPN Client installation folder in version 4 has been changed. During the initial connection, some users will need to indicate once again that the SNS firewall certificate has to be trusted.

Configuring settings

During installation, you can now define the following settings:

- The IP address or FQDN of the SNS firewall,
- Whether the VPN configuration must be retrieved in automatic mode,
- Whether multifactor authentication has to be used,
- Whether the Windows session user in question must be used as the ID.

Installation package

A single Stormshield SSL VPN Client installation program now groups all languages and Windows versions supported. The administrator can still download an .msi package for an installation through a policy deployment tool.

Updated certificates

As the SHA-1 and MD5 algorithms make it possible to sign certificates that are obsolete, they will no longer be supported in a later version of Stormshield SSL VPN Client. It is essential for administrators to update their certificates immediately. Refer to the procedure in the article on [How can I regenerate the sslvpn-full-default-authority?](#) in the Stormshield knowledge base.



For greater security, support for these algorithms can now be disabled by deleting the value "insecure_compat", or by setting it to 0 in the registry key:

HKLM\SYSTEM\CurrentControlSet\Services\StormshieldSSLVPNService\Parameters



Version 4.0.5 EA bug fixes

Certificates - Security

Previously, if:

- Stormshield SSL VPN Client used a root authority certificate that was found in the Windows store,
- The Stormshield SSL VPN Client file used the certificate name indicated in the captive portal's certificate,

A certificate error message would appear in loop. This issue has been fixed.

Timeout of HTTPS requests

Previously, if:

- The tunnel was established for the first time or the configuration was modified,
- The user used a RADIUS authentication,

Then the timeout of HTTPS requests was too short to allow the user to authenticate using a third-party application (multifactor authentication). Now, there are three parameters for setting the timeout in the registry key

HKLM\SYSTEM\CurrentControlSet\Services\StormshieldSSLVPNService\Parameters:

- `https_connect_timeout`: defines the timeout for the connection to SNS. The default value is 30 seconds.
- `https_recvsend_timeout`: defines the timeout for the emission and reception of an answer, including a RADIUS authentication. The default value is 30 seconds. This parameter must be added to the registry key to change the default value.
- `https_resolve_timeout`: defines the timeout for a FQDN address resolution. The default value is 0 second. This parameter must be added to the registry key to change the default value.

If the value of a parameter is 0 second, then there is no timeout.

Address book

Saving after an import

The **Save** button, which used to be grayed out after importing an address book, is now available. This regression appeared in Stormshield SSL VPN Client version 3.2.3.

Missing translation

The contents of the OTP column have been translated.

Wrong tab sequence

In the window allowing new entries to be added to the address book, the order in which fields are tabbed has been changed.




OTP authentication

Support reference 84809

Where:

- Stormshield SSL VPN Client is configured in automatic mode with multifactor authentication,
- Changes relating to the SSL VPN have been made on the SNS side and the SSL VPN service has been restarted.

Previously, VPN tunnels would be shut down and Stormshield SSL VPN Client would attempt to reconnect these tunnels without applying the changes to the configuration. This issue has been fixed and Stormshield SSL VPN Client will now request two OTPs in such a situation.

 For more information on automatic mode, refer to the section [Specific characteristics of Stormshield SSL VPN clients](#) in the technical note *Configuring and using the SSL VPN on SNS firewalls*.

Update

Following an update, now only the latest version of Stormshield SSL VPN Client will be kept. Previously, the former version was also kept.

Logs

Previously, some characters in log error messages would not be correctly displayed. This issue has been fixed.



Version 4.0.4 not published

Version 4.0.4 of the Stormshield SSL VPN Client is not available to the public.



Version 4.0.3 not published

Version 4.0.3 of the Stormshield SSL VPN Client is not available to the public.



Version 4.0.2 not published

Version 4.0.2 of the Stormshield SSL VPN Client is not available to the public.



Version 4.0.1 not published

Version 4.0.1 of the Stormshield SSL VPN Client is not available to the public.



Version 4.0.0 not published

Version 4.0.0 of the Stormshield SSL VPN Client is not available to the public.



Contact

To contact our Stormshield Technical Assistance Center (TAC):

- <https://mystormshield.eu/>

All requests to technical support must be submitted through the incident manager in the **MyStormshield** client area, under **Technical support > Manage cases**.

- +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 **MyStormshield**.



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