About this release

Stonesoft IPsec VPN Client 5.4.3 is a maintenance version for Stonesoft IPsec VPN Client 5.4 version. This document contains important information about the current release. We strongly recommend that you read the entire document.

Enhancements

This release of the product includes these enhancements added since version 5.4.2.

Support for Windows 8.1
Windows 8.1 support has been added.

Support for provider type PROV_RSA_AES
Support for the new provider type enables interoperability with Intel® Identity Protection Technology with PKI (Intel® IPT with PKI).
Resolved issues

These issues are resolved in this release of the product. For a list of issues fixed in earlier releases, see the Release Notes for the specific release. A workaround solution is presented for earlier versions, where available.

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VPN Client machine crash on Windows 8 (#102400)</td>
<td>VPN Client machine may crash on Windows 8 when USB attached Ethernet adapter is removed from or attached to the system.</td>
</tr>
<tr>
<td>Installing Windows 8.1 update KB2919355 fails (#106450)</td>
<td>If the Stonesoft IPsec VPN client is installed on Microsoft Windows 8.1, installing the Windows 8.1 update KB2919355 fails with the error message BAD_POOL_HEADER. Windows recovers by reverting to the most recent restore point. VPN Client version 5.4.1 or older does not support Windows 8.1 after this update. If one attempts to install client version 5.4.1 or older after update KB2919355 has been applied, installation will fail. Workaround: Uninstall the affected Stonesoft IPsec VPN client version before installing the KB2919355 update.</td>
</tr>
</tbody>
</table>

System requirements

General requirements

- Processor: Pentium 4 processor or higher recommended
- Hard disk space: 300 MB of free disk space
- Memory: 512 MB or more
- Mouse or other pointing device
- SVGA (800x600) display or higher
- IPv4 TCP/IP installed and configured

Operating systems

- Windows Vista 32/64-bit versions with Service Pack 2
- Windows 7 32/64-bit versions with Service Pack 1
- Windows 8.1 32/64-bit versions with .NET 3.5 installed

Build version

The Stonesoft IPsec VPN Client version 5.4.3 build version is 2428.

Product binary checksums

Stonesoft-IPsec-VPN-Client.msi
MD5SUM    f9fa872d356b2c506d9eea263f643d84
SHA1SUM   bccc3d2d82693bc82afbde26fd0d9ed0211f9a0b

Stonesoft-IPsec-VPN-Client-5.4.3.2428.exe
MD5SUM    651298ca971799b9cbacfbda6b277d5d
SHA1SUM   2c084fe20e35c895b7565144f2b2b95f53183
Compatibility

Stonesoft IPsec VPN Client version 5.4.3 is recommended to be used with the following Stonesoft component versions:

<table>
<thead>
<tr>
<th>Component</th>
<th>Minimum compatible version</th>
<th>Recommended version</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stonesoft Management Center</td>
<td>5.4.0</td>
<td>Latest 5.7 maintenance version</td>
</tr>
<tr>
<td>Stonesoft Firewall/VPN</td>
<td>5.3.0</td>
<td>Latest 5.5 or 5.7 maintenance version</td>
</tr>
<tr>
<td>Stonesoft Security Engine in Firewall/VPN role</td>
<td>5.4.0</td>
<td>Latest 5.5 or 5.7 maintenance version</td>
</tr>
</tbody>
</table>

IPsec compliance

Stonesoft IPsec VPN Client is compliant with the IPsec, IKEv1, and IKEv2 standards. Stonesoft IPsec VPN Client can only be used with a Stonesoft Firewall/VPN gateway because of the proprietary automatic configuration methods.

Supported algorithms

Stonesoft IPsec VPN Client version 5.4.3 supports the following algorithms:

<table>
<thead>
<tr>
<th>Negotiation Phase</th>
<th>Algorithm</th>
<th>Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>IKE (Phase 1)</td>
<td>Cipher</td>
<td>AES-128, AES-256, 3DES</td>
</tr>
<tr>
<td></td>
<td>Message Digest</td>
<td>MD5, SHA-1, SHA-256</td>
</tr>
<tr>
<td></td>
<td>Diffie-Hellman Groups</td>
<td>2, 5, 14, 19, 20, 21</td>
</tr>
<tr>
<td>IPsec (Phase 2)</td>
<td>Cipher</td>
<td>AES-128, AES-256, AES-GCM, 3DES</td>
</tr>
<tr>
<td></td>
<td>Message Digest</td>
<td>AES-XCBC-MAC, MD5, SHA-1, SHA-256</td>
</tr>
<tr>
<td></td>
<td>Compression</td>
<td>Deflate, None</td>
</tr>
<tr>
<td></td>
<td>Perfect Forward Secrecy (PFS) groups</td>
<td>2, 5, 14, 19, 20, 21</td>
</tr>
</tbody>
</table>

Installation and upgrade instructions

The main installation steps for the Stonesoft IPsec VPN Client are as follows:

1. If you are running a Stonesoft IPsec VPN Client lower than version 4.2.0, uninstall that version.
2. Make sure that you have administrator privileges.
3. If you are installing on a Windows system that does not have the Microsoft .NET Framework version 2.0 or newer installed, install or update the .NET Framework.
4. Start the installation by running the setup file, or start the installer from the command line and enter the options /s /v"/qn" on the command line if the Stonesoft IPsec VPN Client must be installed in silent mode.
5. Follow the on-screen instructions to complete the installation.
6. Connect to a gateway to get the configuration settings for the IPsec VPN Client.

The detailed installation instructions can be found in the Stonesoft IPsec VPN Client User’s Guide. For more information on the VPN configuration, refer to the Management Client Online Help or the McAfee SMC Administrator’s Guide.

There have been reports that in some pre-installed Windows Vista systems the junctions to the C:\ProgramData folder have been set up erroneously. Stonesoft IPsec VPN Client must not be installed on these machines before correcting the junctions to point to the correct folder (C:\ProgramData).

Note

Sometimes upgrading the client installation may take a long time, especially if there is a lot of network activity during the upgrade.
Known issues

The current known issues of Stonesoft IPsec VPN Client version 5.4.3 are described in the table below.

<table>
<thead>
<tr>
<th>Issue</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VPN client supports up to 256 routes to internal networks (#50845)</td>
<td>If more than 256 routes are configured through the Virtual Adapter in a VPN Site definition, the additional routes are not created, and traffic to those network addresses does not work. Workaround: Define the VPN Site in such a way that the number of separate network routes does not grow too high.</td>
</tr>
<tr>
<td>Using Deflate Compression Algorithm may corrupt transferred data (#83609)</td>
<td>Enabling the Deflate Compression Algorithm option in the VPN Profile properties for IPsec VPN Clients may corrupt data that is transferred over the VPN when TCP retransmission occurs. Workaround: Disable the Deflate Compression Algorithm option in the properties of the VPN Profiles that are used for IPsec VPN Client tunnels.</td>
</tr>
<tr>
<td>Windows upgrade from 8.0 to 8.1 may cause IPsec VPN Client not to work (#100173)</td>
<td>If the IPsec VPN Client is installed on a Windows 8.0 system, a registry entry may be deleted when upgrading to Windows 8.1. As a result, the IPsec VPN Client does not work. Workaround: Reinstall the IPsec VPN Client after the upgrade to Windows 8.1.</td>
</tr>
</tbody>
</table>

Find product documentation

McAfee provides the information you need during each phase of product implementation, from installation to daily use and troubleshooting. After a product is released, information about the product is entered into the online Knowledge Base. Information about the Stonesoft IPsec VPN client can still be found at www.stonesoft.com.

To access... Do this...

User documentation • Go to the Stonesoft Documentation website: https://www.stonesoft.com/en/customer_care/documentation/

• The known issues database and the release notes can be found on the website.