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What's New

Stonesoft IPsec VPN Client 5.4.0 updates Stonesoft IPsec VPN Client to new branding along with other Stonesoft major products.

New Features

Features that have been added to Stonesoft IPsec VPN Client version 5.4.0 are described in the table below.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CRL checking</td>
<td>It is possible to enable Certificate Revocation List checking in the advanced settings of the VPN Client.</td>
</tr>
</tbody>
</table>

Enhancements

Enhancements that have been made to Stonesoft IPsec VPN Client version 5.4.0 are described in the table below.

<table>
<thead>
<tr>
<th>Enhancement</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>User interface modifications</td>
<td>The IPsec VPN Client layout has improved in environments that use high DPI settings.</td>
</tr>
</tbody>
</table>

Fixes

Problems described in the table below have been fixed in Stonesoft IPsec VPN Client version 5.4.0. A workaround solution is presented for earlier versions where available.

<table>
<thead>
<tr>
<th>Synopsis</th>
<th>Description</th>
<th>Workaround for Previous Versions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Virtual adapter may disappear (#69859)</td>
<td>Sometimes after sleep or hibernation, establishing a VPN connection may fail with the error &quot;There are no available virtual adapters. Unable to make the connection.&quot;</td>
<td>Restart the IPsec VPN Client service.</td>
</tr>
<tr>
<td>Passphrase-protected DSA keys do not work with IKEv1 (#77099)</td>
<td>Passphrase-protected DSA keys do not work with IKEv1. The IPsec VPN Client fails the negotiation with the message &quot;Connection authentication failed&quot;.</td>
<td>N/A</td>
</tr>
<tr>
<td>Initial connection to VPN gateway fails with IKEv2 and AES-XCBC-MAC (#80747)</td>
<td>Initial connection to VPN gateway fails with IKEv2 when AES-XCBC-MAC is the only selected message digest algorithm.</td>
<td>N/A</td>
</tr>
<tr>
<td>IPsec VPN Client may get stuck in &quot;Verifying Configuration&quot; state (#80534)</td>
<td>The IPsec VPN Client may get stuck in the &quot;Verifying Configuration&quot; state when the configuration changes.</td>
<td>Select Disconnect and then connect again.</td>
</tr>
<tr>
<td>IPsec VPN Client may cause Windows to crash with some new Intel WLAN drivers (#84576)</td>
<td>The IPsec VPN Client may cause Windows to crash and display a blue screen when the operating system goes into sleep or hibernate mode with some new Intel WLAN drivers.</td>
<td>Disable the WLAN adapter before sleep or hibernate.</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 XP 32-bit Professional or Home with Service Pack 3 and .NET framework version 2.0 or newer installed
- Windows Vista 32/64-bit versions, Service Pack 1 or Service Pack 2
- Windows 7 32/64-bit versions, no service pack or Service Pack 1
- Windows 8 32/64-bit versions (not fully tested yet, no issues reported so far)

Build Version

The Stonesoft IPsec VPN Client version 5.4.0 build version is 2405.

Product Binary Checksums

Stonesoft-IPsec-VPN-Client.msi
MD5SUM ea1aa11a2a3741eac21145af28bd847d
SHA1SUM d6a89fe03701de029c2f52cf8fe132349fbe1d08

Stonesoft-IPsec-VPN-Client-5.4.0.2405.exe
MD5SUM 419d3069cb019efb96c7d22bf08e3ae8
SHA1SUM 9d727af569e00970ba1d1e53b88a228a5663c60a

Compatibility

Stonesoft IPsec VPN Client version 5.4.0 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>5.3.0</td>
<td>Latest 5.4 maintenance version</td>
</tr>
<tr>
<td>Stonesoft Firewall/VPN</td>
<td>5.1.0</td>
<td>Latest 5.4 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 5.4.0 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 StoneGate IPsec VPN Client older than version 4.2.0, uninstall that version.

2. Ensure 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 using Stonesoft Firewall/VPN, refer to the Online Help system or the Stonesoft Firewall Administrator’s Guide. For background information on how the Stonesoft system works, consult the Management Center Reference Guide and the Firewall Reference 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 5.4.0 are described in the table below. For a full and updated list of known issues, consult our website at http://www.stonesoft.com/support/StoneGate/Known_Issues/.

<table>
<thead>
<tr>
<th>Synopsis</th>
<th>Description</th>
<th>Workaround</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.</td>
<td>Define the VPN Site in such a way that the number of separate network routes does not grow too high.</td>
</tr>
</tbody>
</table>
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