StoneGate IPsec VPN Client

Release Notes for Version 5.1.0

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What’s New

Features

New features that have been introduced in StoneGate IPsec VPN client 5.1.0 are described in the table below. The following table lists the features briefly. Please consult the product documentation for more details.

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VPN Client disaster recovery gateway support</td>
<td>VPN client can automatically connect to a backup gateway if all end-points of the currently configured gateway are unreachable.</td>
</tr>
<tr>
<td>Automatic IKE retry</td>
<td>VPN client can automatically try different connection options if normal connection establishment does not succeed.</td>
</tr>
</tbody>
</table>

Changes

Changes in functionality are described in table below.

<table>
<thead>
<tr>
<th>Change</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Client security check criteria is more strict</td>
<td>The requirement to pass the security check is that the security feature(s) that the VPN client is configured to check (anti-virus, firewall, and Windows updates) need to be installed, enabled, and up-to-date.</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
- 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 2 or 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

Build Version

The StoneGate IPsec VPN client version 5.1.0 build version is 2111.

Product Binary Checksums

StoneGate_IPsec_VPN.msi
MD5SUM    7c60ed10933b358aa23d585ecc102624
SHA1SUM   da8c14640a7c0dd5d05f34143a4d0be7689a2952

StoneGate_IPsec_VPN_5.1.0.2111.exe
MD5SUM    716313efc892d60f0fb1beee0fd40da
SHA1SUM   0501169901e914360d2aae01eef289b7be6f1ae3

Compatibility

StoneGate IPsec VPN client version 5.1.0 is compatible with StoneGate Firewall/VPN version 4.2.0 and newer. New algorithms are supported only with Firewall/VPN version 5.0.0 or newer. StoneGate Management Center (SMC) version 5.0.0 or newer is required.
## IPsec Compliance

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

### Supported Algorithms

StoneGate IPsec VPN client version 5.1.0 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</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</td>
</tr>
</tbody>
</table>

StoneGate IPsec VPN client version 5.1.0 also supports the following algorithms when CryptoPro Version 3.6.5402 or 3.6.6253 is loaded:

<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>DES, GOST 28147-89</td>
</tr>
<tr>
<td></td>
<td>Message Digest</td>
<td>GOST R34.11</td>
</tr>
<tr>
<td>IPsec (Phase 2)</td>
<td>Cipher</td>
<td>DES, GOST 28147-89</td>
</tr>
<tr>
<td></td>
<td>Message Digest</td>
<td>G28147 IMIT, GOST R34.11</td>
</tr>
</tbody>
</table>
**Installation and Upgrade Instructions**

The main installation steps for the StoneGate IPsec VPN client are as follows:

1. If you are running a StoneGate VPN client older than 4.2.0, uninstall that version.

2. Ensure that you have administrator privileges (or on Vista, that UAC is enabled) and start the installation by running the setup file.

3. If you are installing on a Windows XP system that does not have the Microsoft .NET Framework version 2.0 or newer installed, install or update the .NET Framework first.

4. If the StoneGate IPsec VPN client must be installed in silent mode, start the installer from the command line and enter the options `/s /v"/qn"` on the command line.

5. Follow the on-screen instructions to complete the installation.

6. Connect to a gateway to get the configuration settings for the VPN client.

The detailed installation instructions can be found in the *StoneGate IPsec VPN Client User’s Guide*. For more information on using StoneGate, refer to the Online Help system or the *StoneGate Administrator’s Guide*. For background information on how the StoneGate system works, consult the *Management Center Reference Guide* and the *Firewall/VPN 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. StoneGate IPsec VPN client must not be installed on these machines before correcting the junctions to point to the correct folder (C:\ProgramData).

**Known Issues**

The current known issues of StoneGate IPsec VPN client version 5.1.0 are described in the table below. For an updated list of known issues, consult our Web site 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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