



# **Stonesoft Firewall/VPN Express**

## **Release Notes for Version 5.5.1**

Created: July 26, 2013

**STONESOFT**

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# What's New

Stonesoft Firewall/VPN Express version 5.5.1 is a maintenance version for the Stonesoft Firewall/VPN Express appliance series.

## Enhancements in Firewall/VPN Express

Enhancements that have been made since previous Stonesoft Firewall/VPN Express maintenance versions are described in the table below

Enhancement	Description
Improved Security Strength of Management Connections	It is now possible to use 256-bit encryption for the connection between Security Engines and the Management Server. This requires both the engines and the Management Server to be version 5.5 or higher. You must also use an Internal ECDSA Certificate Authority to sign certificates for system communications.
Loopback Interfaces	It is now possible to configure any IP address that is not already used as a Cluster Virtual IP Addresses (CVI) or Node Dedicated IP Addresses (NDI) on another interface as a loopback IP address. You can add several loopback IP addresses to each Firewall. Loopback IP addresses can be used, for example, as End-Point IP addresses in policy-based VPNs and in the Route-Based VPN.

## Fixes

Problems described in the table below have been fixed in Stonesoft Firewall/VPN Express version 5.5.1. A workaround solution is presented for earlier versions where available.

Synopsis	Description	Workaround for Previous Versions
IPsec VPN log messages may have incorrect or missing peer gateway information (#91189)	IPsec VPN log messages may have incorrect or missing peer gateway information.	N/A
Related connection idle timeouts may not be inherited from the parent connection (#91237)	Related connection idle timeouts may not be inherited from the parent connection with FTP and MSRPC protocols. Instead, fixed one-hour or two-hour idle timeouts are used.	N/A
Unnecessary "net_ratelimit: ... callbacks suppressed" messages printed to console (#92844)	Unnecessary messages similar to the following may be printed to the console: "net_ratelimit: 9 callbacks suppressed"	N/A
Opening and closing Connection Monitoring view can cause engine to crash (#94806)	Opening and closing the Connection Monitoring view several times can cause the engine to crash.	N/A
Policy installation may fail (#94828)	In certain scenarios, the engine may interrupt the policy installation while the SMC is uploading the policy to the engine.	N/A
Path MTU handling and fragmentation may not work for Route-Based VPNs (#95070)	Path MTU handling and fragmentation may not work for Route-Based VPNs.	N/A
Firewall that has a dynamic interface may not use the new IP address (#95195)	When the firewall has a dynamic interface, it may continue to use the old IP address even if the IP address of the dynamic interface has changed.	N/A

Synopsis	Description	Workaround for Previous Versions
Proxy ARP does not work with VLAN Interfaces (#95296)	Proxy ARP does not work with VLAN Interfaces. This issue affects only single node Firewall/VPN configurations.	N/A
Firewall may run out of memory if 3G modem is plugged in to the engine but not in use (#95449)	When a 3G modem is plugged in to the Firewall but is not in use, the Firewall may run out of memory.	Unplug the modem from the Firewall.
Generating IPsec VPN certificate request for Security Gateway does not work (#95797)	Generating an IPsec VPN certificate request for a Security Gateway does not work if the ID Type is set to "Distinguished Name" in some of the Security Gateway End-Points.	N/A

# System Requirements

## Stonesoft Firewall/VPN Appliances

This software version is supported on Stonesoft Express FW-105 FW/VPN appliances only.

## Build Version

Stonesoft Firewall/VPN Express version 5.5.1 build version is 9848.

## Product Binary Checksums

sg\_engine\_5.5.1.9848\_express.zip

MD5SUM 6804341263e4fed11bc265fa60547b63

SHA1SUM 342e79ab96a4babaeae46dc3427e50a9e47e75eb

## Compatibility

Stonesoft Firewall/VPN Express version 5.5.1 is recommended to be used with the following Stonesoft component versions:

Component	Minimum Compatible Version	Recommended Version
Stonesoft Management Center	5.5.0	Latest 5.5 maintenance version
Stonesoft Dynamic Update	517	Latest available

# Installation Instructions

The main installation steps for Stonesoft Firewall/VPN Express are as follows:

1. Install the Management Server, the Log Server(s), and the Management Client to host(s) to be used as the management system. Optionally, you can install the Authentication Server and Web Portal Server(s).
2. Configure the Firewall element using the Management Client.
3. Generate an initial configuration for the engines by right-clicking the firewall and selecting **Save Initial Configuration**.
4. Make the initial connection from the engines to the Management Server and enter the one-time password provided during step 3.
5. Create and upload a policy on the engines using the Management Client.
6. Command the nodes online by right-clicking the firewall and selecting **Commands → Go Online**.

There are alternative methods for the initial configuration of the engines. Please refer to the *Stonesoft FW-105 Series Appliance Installation Guide*.

The detailed installation instructions can be found in the *Stonesoft Management Center Installation Guide* and *Firewall/VPN Installation Guide*. For more information on using the Stonesoft system, refer to the Management Client *Online Help* or the *Stonesoft Administrator's Guide*. For background information on how the system works, consult the *Stonesoft Management Center Reference Guide* and *Firewall/VPN Reference Guide*.

## Upgrade Instructions

Stonesoft Firewall/VPN Express version 5.5.1 requires an updated license if upgrading from version 5.4.x. The license upgrade can be requested at our website at <https://my.stonesoft.com/managelicense.do>. Install the new license using the Management Client before upgrading the software. The license is updated automatically by the Management Server if communication with Stonesoft servers is enabled and the maintenance contract is valid.

To upgrade the engine, use the remote upgrade feature in the Management Client. Detailed instructions can be found in the *Firewall/VPN Installation Guide*.

Upgrading to any 5.5.x version is only supported from a lower 5.5.x version or from a 5.4.x version. If you are running a lower version, please first upgrade to the highest 5.4.x version following the instructions in the release notes for that version.

## Known Issues

The current known issues of Stonesoft Firewall/VPN Express version 5.5.1 are described in the table below. For a full and updated list of known issues, consult our website at [http://www.stonesoft.com/en/customer\\_care/kb/](http://www.stonesoft.com/en/customer_care/kb/).

No known open issues.

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