Hardware Requirements for Version 5.4
Table of Contents

System Requirements ........................................................................................................... 3
  Basic Management System Hardware Requirements ......................................................... 3
  Recommendations for the Enterprise Management System ................................................ 3
  Examples of Enterprise Management Server Hardware ..................................................... 3
  Examples of Enterprise Web Portal Server Hardware ....................................................... 4
SMS Alert Device Compatibility ......................................................................................... 4
Operating Systems Compatibility ....................................................................................... 4
Stonesoft Component Compatibility .................................................................................... 5
  Minimum ............................................................................................................................ 5
  Native Support ................................................................................................................... 5
System Requirements

Basic Management System Hardware Requirements

- Intel Core family processor or higher recommended or equivalent on a non-Intel platform
- A mouse or pointing device (for the Management Client only)
- SVGA (1024x768) display or higher (for the Management Client only)
- Disk space for the Management Server: 6 GB
- Disk space for the Log Server: 50 GB
- Memory requirements for 32-bit operating systems:
  - 2 GB RAM for servers (3 GB minimum if all components are installed on the same server)
  - 1 GB RAM for the Management Client
- Memory requirements for 64-bit operating systems:
  - 6 GB RAM for servers (8 GB minimum if all components are installed on the same server)
  - 2 GB RAM for the Management Client

Recommendations for the Enterprise Management System

In an enterprise environment, Stonesoft recommends installing the Management Server, Log Server, and Web Portal Server on separate machines.

Examples of Enterprise Management Server Hardware

- 64-bit operating system
- Multi-core Intel® Xeon™ processor or equivalent on a non-Intel platform
- 12 GB RAM
- Disk space for the Management Server: 6 GB

The high-performance management system is able to control over 2000 Security Engines (Firewall/VPN, IPS, Layer 2 Firewall engines), and store information for thousands of network elements in the system. The following are examples of enterprise Log Server hardware:

- 64-bit operating system
- Multi-core Intel® Xeon™ processor or equivalent on a non-Intel platform
- 12 GB RAM
- Ultra 320 SCSI disks or Serial Attached SCSI (SAS) disks
- Hardware-based striping capable disk array (for example RAID 0 or 5)
- Disk space: at least 1 TB

The high-performance logging system is able to process more than 100,000 records per second and store over 500 GB of logs per day. Third-party log parsing performance depends on the complexity of the parsing. As a general guideline, a high-performance logging system is able to process more than 30,000 third-party log records per second with complex parsing and 75,000
records per second with simple parsing.

One Log Server supports up to 200 third-party log senders.

NOTE - The Linux ext2 file system has been shown to be significantly faster than the Windows NTFS file system for Log Server file storage. Because of this, Stonesoft recommends using Linux as the Enterprise Log Server platform.

Examples of Enterprise Web Portal Server Hardware

- 64-bit operating system
- Multi-core Intel® Xeon™ processor or equivalent on a non-Intel platform
- 8 GB RAM
- Disk space for the Web Portal Server: 4 GB

The high-performance Web Portal Server is able provide access to 250 concurrent Web Portal users.

SMS Alert Device Compatibility

The following GSM modems have been tested to be compatible with Stonesoft 5.4 as an SMS alert device:

- GSM100EVO-LITE. For more information about this modem, visit http://www.maestro-wireless.com/m100evo-lite.
- Wavecom Fastrack M1306B. For more information about Sierra Wireless industrial GSM modems, visit www.sierrawireless.com.
- Wavecom Supreme 20 GSM. For more information about Sierra Wireless industrial GSM modems, visit www.sierrawireless.com.

Operating Systems Compatibility

Stonesoft Management System supports the following operating systems and versions:

- Microsoft® Windows Server 2008™ SP2 and R2 (32-bit and 64-bit)*
- Microsoft® Windows 7™ SP1 (32-bit and 64-bit)*
- Microsoft® Windows Vista™ SP2 (32-bit and 64-bit)*
- Microsoft® Windows Server 2003™ SP2 (32-bit)*
- CentOS 6 (for 32-bit and 64-bit x86)
- Red Hat Enterprise Linux 6 (for 32-bit and 64-bit x86)
- SUSE Linux Enterprise 11 SP1 (for 32-bit and 64-bit x86)

*) Only the U.S. English language version has been tested, but other locales may work as well.

See the latest list of supported operating systems in the SMC Release Notes.
Stonesoft Component Compatibility

Minimum

Stonesoft Management Center version 5.4 is compatible with the following Stonesoft component versions:

- Stonesoft Firewall engine version 5.1.0 or higher
- Stonesoft IPS engine version 4.3.0 or higher
- Stonesoft SSL VPN version 1.4.0 or higher
- Dynamic Update package 320 or later

Native Support

To utilize all the features of Stonesoft Management Center version 5.4, the following Stonesoft component versions are required:

- Stonesoft Security Engine version 5.4 or higher
- Stonesoft Firewall engine version 5.4 or higher
- Stonesoft IPS engine version 5.4 or higher
- Stonesoft SSL VPN version 1.5 or higher
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