

Hardware Requirements

Revision A

McAfee Security Management Center 5.8.x

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About this document

This document describes the hardware requirements for McAfee® Security Management Center (SMC) version 5.8.

Minimum system requirements

The following are the minimum requirements for a basic McAfee Security Management Center:

- 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 the Management Server, Log Server, or Web Portal Server (3 GB if all servers are installed on the same machine)
 - 1 GB RAM for the Management Client
- Memory requirements for 64-bit operating systems:
 - 6 GB RAM for the Management Server, Log Server, or Web Portal Server (8 GB if all servers are installed on the same machine)
 - 2 GB RAM for the Management Client

Recommendations

In an enterprise environment, it is recommended to install the Management Server, Log Server, and Web Portal Server on separate machines. The sections below describe the hardware-related guidelines for each type of server.

Management Server

The Management Server can control over 2000 McAfee Next Generation Firewalls (Firewall/VPN, IPS, and Layer 2 Firewall engines), and store information for thousands of network elements. The following are the hardware requirements for an enterprise-level Management Server:

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

Log Server

The Log Server can process 100,000 records per second and store 500 GB of logs per day. Third-party log parsing performance depends on the complexity of the parsing. As a general guideline, the Log Server can process 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.

The following is an example of the specifications of enterprise-level 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
- Disk array that supports hardware-based striping (for example RAID 0 or 5)
- Disk space: 1 TB

Note

The Linux ext2 file system is significantly faster than the Windows NTFS file system for Log Server file storage. Because of this, it is recommended to use Linux as the enterprise-level Log Server platform.

Web Portal Server

The Web Portal Server can provide concurrent access for 250 Web Portal Users. The following is an example of the specifications of enterprise-level 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: 4 GB

Operating system compatibility

SMC Servers

McAfee Security Management Center supports the following operating systems and versions:

- Microsoft® Windows Server 2012™ R2* (64-bit)*
- Microsoft® Windows Server 2008™ SP2 and R2 (64-bit)*
- Microsoft® Windows 7™ SP1 (64-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 SP3 (for 32-bit and 64-bit x86)**
- Ubuntu 12.04 LTS (for 64-bit x86)**

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

**) 32-bit compatibility libraries lib and libz are needed on all Linux platforms.

See the latest list of supported operating systems in the [SMC Release Notes](#).

Note

SMC 5.7 is the last version that can be installed in 32-bit Windows environments. SMC 5.8 is officially supported only in 64-bit Windows environments.

Web Start Clients

In addition to the operating systems listed above, McAfee Security Management Center can be accessed through the Web Start Client using the following Mac OS and Java Runtime Environment (JRE) versions:

- Mac OS 10.9 with JRE 1.7.0_04

McAfee component compatibility

Minimum

McAfee Security Management Center version 5.8 is compatible with the following McAfee and Stonesoft component versions:

- McAfee NGFW versions 5.7 and 5.8
- Stonesoft Security Engine versions 5.4 and 5.5
- Stonesoft Firewall engine version 5.3
- (Stonesoft SSL VPN version 1.5)

Note

SMC 5.8 no longer supports legacy Stonesoft IPS Analyzers, Combined Sensor-Analyzers, or Sensor versions 5.2 or lower.

Native support

To use all of the features of McAfee Security Management Center version 5.8, the following McAfee component versions are required:

- McAfee NGFW 5.8

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 Center.

1. Go to the McAfee ServicePortal at <http://support.mcafee.com> and click **Knowledge Center**.
2. Enter a product name, select a version, then click **Search** to display a list of documents.

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