

McAfee Alert Manager 4.7.1

Free disk space — 1.5 MB (complete installation) plus 2.6 MB (temporary space during installation).

Operating system (client software):

- Windows NT 4.0 Workstation, Service Pack 6 or 6a.
- Windows 2000 Professional, Service Pack 2, 3, or 4.
- Windows XP Home, Service Pack 1.
- Windows XP Professional, Service Pack 1.
- Windows XP Tablet PC.

Operating system (server software):

- Windows NT 4.0 Server, Service Pack 6 or 6a.
- Windows NT 4.0 Enterprise Server, Service Pack 6 or 6a.

- Windows NT 4.0 Terminal Server, Service Pack 6.
- Windows 2000 Server, Service Pack 2, 3, or 4.
- Windows 2000 Advanced Server, Service Pack 2, 3, or 4.
- Windows 2000 Datacenter Server, Service Pack 2, 3, or 4.
- Windows Server 2003 Standard, Service Pack 1.
- Windows Server 2003 Enterprise, Service Pack 1.
- Windows Server 2003 Web, Service Pack 1.
- Windows Server 2003 Datacenter.

Other — A CD-ROM drive or Internet connection.

Processor — Intel or compatible; Pentium or Celeron (recommended).

Processor speed — 166 MHz or higher.

McAfee AntiSpyware Enterprise Module 8.0

- A server or workstation that meets the VirusScan Enterprise 8.0i system requirements. See *McAfee VirusScan Enterprise 8.0i* on page 8.

- A server or workstation that has a licensed version of VirusScan Enterprise 8.0i installed.



McAfee AntiSpyware Enterprise Module is a plug-in module to McAfee VirusScan Enterprise. Customers who are not using McAfee VirusScan Enterprise should download McAfee AntiSpyware Enterprise Standalone from the McAfee website for protection from potentially unwanted programs (requires a McAfee Technical Support grant number): <http://www.mcafee.com/us/downloads/>

McAfee ePolicy Orchestrator 3.6

Server and console requirements

Browser — Microsoft Internet Explorer 6.0.

Dedicated server — If managing more than 250 client computers, we recommend using a dedicated server.

Domain controllers — The server must have a trust relationship with the Primary Domain Controller (PDC) on the network. For instructions, see the Microsoft product documentation.

Installing the software on a PDC is supported, but not recommended.

File system — NTFS (NT file system) partition (recommended).

Free disk space — 250 MB minimum (first-time installation); 650 MB minimum (upgrade); 2 GB recommended.

IP address — We recommend using static IP addresses for ePolicy Orchestrator servers.

Memory — 512 MB RAM (minimum); 1 GB RAM (recommended).

Monitor — 1024x768, 256-color, VGA monitor.

NIC — Network interface card; 100 Mbps or higher.

Operating system:

- Windows 2000 Advanced Server, Service Pack 3 or later.
- Windows 2000 Server, Service Pack 3 or later.
- Windows Server 2003 Enterprise.
- Windows Server 2003 Standard.
- Windows Server 2003 Web.

Processor — Intel Pentium II-class or higher.

Processor speed — 450 MHz or higher.

Database requirements

Database software:

- Microsoft SQL Server 2000 Desktop Engine (MSDE 2000), Service Pack 3.
- Microsoft SQL Server 2000 Standard or Enterprise Edition, Service Pack 3.

MSDE 2000 with Service Pack 3 cannot be installed on a backup domain controller (BDC).

Maintenance settings — We recommend making specific maintenance settings to ePolicy Orchestrator databases. For instructions, see *Maintaining ePolicy Orchestrator databases* in the *ePolicy Orchestrator 3.6 Product Guide* or Help file.

Remote database server — Microsoft Data Access Components (MDAC) 2.8.

SQL Server — If you are using SQL Server, the following requirements apply:

- **Dedicated server and network connection** — Use a dedicated server and network connection if managing more than 5,000 client computers.
- **Local database server** — If using SQL Server on the same computer as the ePolicy Orchestrator server, we recommend specifying a fixed memory size approximately two-thirds of the total memory for SQL Server in Enterprise Manager. (For example, if the computer has 1 GB of RAM, set 660 MB as the fixed memory size for SQL Server.)
- **SQL Server licenses** — A SQL Server license for each processor on the computer where SQL Server is installed.

If the minimum number of SQL Server licenses is not available after you install the software, you may have problems installing or starting the software.

McAfee ePolicy Orchestrator 3.6 (continued)

Reporting requirements

To create custom report templates, you must use Crystal Decisions Crystal Reports 8.0.

If you require reports in Chinese (Simplified or Traditional), Japanese, or Korean languages, you must install Crystal Reports 8.0 on computers equipped with the corresponding language version of the supported operating system and database software.

Distributed repositories requirements

- HTTP-compliant (version 1.1) servers on Microsoft Windows, Linux, or Novell NetWare operating systems.
- Windows, Linux, or NetWare FTP servers.
- Windows, Linux, or UNIX Samba UNC shares.
- Computer with a SuperAgent installed on it. For more information, see [SuperAgent requirements](#).

Common management agent requirements

Citrix — These Citrix products are supported on operating systems ePolicy Orchestrator supports:

- Citrix Metaframe 1.8 for Windows.
- Citrix Metaframe XP for Windows.

Cluster — If using cluster services, Microsoft Cluster Server (MSCS) is supported.

Free disk space (agent) — 10 MB.

Free disk space (products) — Sufficient disk space on client computers for each McAfee product you plan to deploy. For more information, see the corresponding requirements in this guide.

Memory — 8 MB RAM.

Network environment — Microsoft or Novell NetWare networks. NetWare networks require TCP/IP.

NIC — Network interface card; 10 Mbps or higher.

Processor — Intel Pentium-class, Celeron, or compatible processor.

Processor speed — 166 MHz or higher.

Operating system:

- Windows 2000 Advanced Server, Service Pack 1, 2, 3, or 4.
- Windows 2000 Datacenter Server, Service Pack 1, 2, 3, or 4.
- Windows 2000 Professional, Service Pack 1, 2, 3, or 4.
- Windows 2000 Server, Service Pack 1, 2, 3, or 4.
- Windows 95.
- Windows 98.
- Windows 98 Second Edition (SE).
- Windows Millennium Edition (Me).
- Windows NT 4.0 Enterprise Server, Service Pack 4, 5, 6, or 6a.
- Windows NT Server 4.0, Service Pack 4, 5, 6, or 6a.
- Windows NT Workstation 4.0, Service Pack 4, 5, 6, or 6a.
- Windows Server 2003 Enterprise.

- Windows Server 2003 Standard.
- Windows Server 2003 Web.
- Windows XP Home, Service Pack 1.
- Windows XP Professional, Service Pack 1.

Windows 95 and Windows 98 — Computers using Windows 95A, Windows 95B, Windows 95C, or Windows 98 must meet additional requirements. For a list, see the *ePolicy Orchestrator 3.6 Installation Guide*.

SuperAgent requirements

You can enable the ePolicy Orchestrator agent for Windows as a SuperAgent, which is used to communicate with other agents or store a distributed repository.

Operating system:

- Windows 2000 Datacenter Server, Service Pack 1, 2, 3, or 4.
- Windows 2000 Professional, Service Pack 1, 2, 3, or 4.
- Windows 2000 Server, Service Pack 1, 2, 3, or 4.
- Windows NT 4.0 Enterprise Server, Service Pack 4, 5, 6, or 6a.
- Windows NT Server 4.0, Service Pack 4, 5, 6, or 6a.
- Windows NT Workstation 4.0, Service Pack 4, 5, 6, or 6a.
- Windows XP Home, Service Pack 1.
- Windows XP Professional, Service Pack 1.

Distributed repository:

- **Free disk space** — 100 MB (on the drive where the repository is stored).
- **Memory** — 256 MB.

Agent for NetWare requirements

NetWare 4.11 and 4.2:

- NW4WSOCK.EXE, available at no charge from Novell. At press time, this program and instructions for installation were available on the Novell website: <http://support.novell.com/servlet/tidfinder/2958994>

Network environment — TCP/IP.

Operating system:

- NetWare 4.11 with Support Pack 9.
- NetWare 4.2 with Support Pack 9.
- NetWare 5.0 with Support Pack 6a.
- NetWare 5.1 with Support Pack 5.
- NetWare 6.0.

Product — McAfee NetShield 4.6.2 for NetWare.

Agent for WebShield requirements

- WebShield e250 appliance.
- WebShield e500 appliance.
- WebShield e1000 appliance.

McAfee GroupShield 5.3 for Domino on Windows

Browser:

- Microsoft Internet Explorer 5.0 or later.
- Netscape Communicator 4.5 or later.

Domino — Lotus Domino R5.0 or later.

Free disk space— 700 MB (Lotus Domino R5.0); 1 GB (Lotus Domino 6.0).

Memory — 128 MB RAM and 139 MB Paging space.

Monitor — 1152 x 864 pixels, 32768 colors

McAfee GroupShield 5.2.1 for Domino on UNIX

AIX systems

Browser — Netscape Communicator 4.5 or later (to access the web interface of another server's GroupShield software).

Domino — Lotus Domino R5, or 6.0 through 6.5.

Free disk space — 700 MB (Lotus Domino R5); 1GB (Lotus Domino 6.0 through 6.5).

Operating system — IBM AIX 4.3.3 or 5.1.

VisualAge 5.0 shared libraries:

- xIC.aix43.rte
- xIC.msg.en_US.rte
- xIC.rte

Solaris systems

Browser — Netscape Communicator 4.5 or later (to access the web interface of another server's GroupShield software).

Domino — Lotus Domino 5.0.8 or later.

Free disk space — 1 GB (Lotus Domino 5.x); 1.5 GB (Lotus Domino 6 on Solaris 8 or 9).

Memory — 256 MB of RAM and 256 MB of SWAP (Paging space).

Operating system — Solaris 2.6 or later.

McAfee GroupShield 6.0.2 for Exchange

Exchange 2000

Browser — Microsoft Internet Explorer 5.5 or later, set as the default browser.

Exchange — Microsoft Exchange 2000 Server, Service Pack 3 or later.

Free disk space — 740 MB.

Processor — Intel Pentium-class (or higher) compatible.

Processor speed — 133 MHz or higher.

Memory — 128 MB RAM (minimum); 256 MB RAM (recommended).

Monitor — 1024x768; 24-bit color or higher (recommended).

Operating system:

- Windows 2000 Server, Service Pack 4.
- Microsoft Windows 2000 Advanced Server, with Service Pack 4 or later.

Other — A CD-ROM drive or Internet connection.

Exchange 2003

Browser — Internet Explorer 5.5 or later, set as the default browser.

Exchange — Microsoft Exchange Server 2003 with or without service packs.

Free disk space — 740 MB.

Processor — Intel Pentium-class (or higher) compatible.

Processor speed — 133 MHz or higher.

Memory — 256 MB RAM (minimum); 512 MB RAM (recommended).

Monitor — 1024x768; 24-bit color or higher (recommended).

Operating system:

- Windows 2000 Server, Service Pack 4.
- Windows 2000 Advanced Server, Service Pack 4.
- Windows Server 2003 Standard (32-bit).
- Windows Server 2003 Enterprise (32-bit).

Other — A CD-ROM drive or Internet connection.

McAfee Host Intrusion Prevention 6.0

Processor — Intel Pentium-class, Celeron, or compatible processor; 166 MHz processor or higher.

Free disk space (agent) — 15 MB.

Memory — 8 MB RAM.

Network environment — Microsoft or Novell NetWare networks. NetWare networks require TCP/IP.

NIC — Network interface card; 10 Mbps or higher.

Product:

- ePolicy Orchestrator 3.6 with Patch 1 or later.
- ePO agent (Common Management Agent) 3.5.5 or later.

Operating system:

- Windows 2000 Advanced Server with Service Pack 1, 2, 3, or 4
- Windows 2000 Datacenter Server with Service Pack 1, 2, 3, or 4
- Windows 2000 Professional with Service Pack 1, 2, 3, or 4
- Windows 2000 Server with Service Pack 1, 2, 3, or 4
- Windows NT 4.0 Enterprise Server, with Service Pack 6 or 6a
- Windows NT Server 4.0 with Service Pack 6 or 6a
- Windows NT Workstation 4.0 with Service Pack 6 or 6a
- Windows Server 2003 Enterprise with Service Pack 1
- Windows Server 2003 Standard with Service Pack 1
- Windows Server 2003 Web with Service Pack 1
- Windows XP Home with Service Pack 1 or 2
- Windows XP Professional with Service Pack 1 or 2

McAfee Installation Designer 8.1

Browser — Microsoft Internet Explorer 5.0 or later.

Free disk space:

- 15 MB — To perform a complete installation of McAfee Installation Designer.
- 25 MB — To configure an unmodified VirusScan Enterprise installation package.
- 35 MB — To configure an unmodified VirusScan Enterprise and Alert Manager installation package.
- 20 MB — To configure an unmodified Desktop Firewall installation package.
- 100 MB — To configure an optimized VirusScan Enterprise, Alert Manager, and Desktop Firewall installation package.

Operating system (servers):

- Windows NT Server 4.0, Service Pack 6 or 6a.
- Windows NT Enterprise Server 4.0, Service Pack 6 or 6a.
- Windows 2000 Server, Service Pack 2, 3, or 4.
- Windows 2000 Advanced Server, Service Pack 2, 3, or 4.

- Windows 2000 DataCenter Server, Service Pack 2, 3, or 4.
- Windows Server 2003 Standard Edition, Service Pack 1.
- Windows Server 2003 Enterprise Edition, Service Pack 1.
- Windows Server 2003 Web Edition, Service Pack 1.

Operating system (workstations):

- Windows NT Workstation 4.0, Service Pack 6 or 6a.
- Windows 2000 Professional, Service Pack 2, 3, or 4.
- Windows XP Home, Service Pack 1.
- Windows XP Professional, Service Pack 1 or 2.
- Windows XP Tablet PC Edition, Service Pack 1.

Other — A CD-ROM drive or Internet connection.

Processor — Intel Pentium-class or compatible; Pentium or Celeron (recommended).

Processor speed — 166 MHz or higher.

McAfee NetShield 4.6.3 for NetWare

Server requirements

Free disk space — 4 MB plus enough free disk space to accommodate a duplicate of the largest compressed file on any volume on the server. The default installation directory is:

```
SYS:MCAFEED\NETSHLD
```

Memory — 4 MB RAM.

Network environment — TCP/IP.

Operating system:

- NetWare 6.0, Support Pack 4.
- NetWare 6.5.
- NetWare 6.5, Support Pack 1.1.

Processor — Pentium-II (or higher) compatible.

Volume:

- Standard traditional volume.
- Compressed traditional volume.
- Standard Novell Storage Services (NSS) volume.

NetWare administrator computer requirements

This is the computer from which you are installing the agent for NetWare and the NetShield for NetWare product.

Novell Client:

We recommend using the latest Novell client software. The NetShield software has been tested and found compatible with the following versions of the Novell Client:

Operating Systems for Novell Client Version 3.3:

- Windows 95.
- Windows 98.
- Windows 98 Second Edition (SE).
- Windows Millennium Edition (Me).

Operating Systems for Novell Client Version 4.8:

- Windows NT 4.0.
- Windows 2000 Server.
- Windows Professional.
- Windows XP Professional.

Java Runtime Environment (JRE):

- Sun Java 2 Standard Edition Runtime Environment 1.1.7b or later.
— OR —
- Microsoft Java Virtual Machine (JVM) 4.79.2436 or later. JVM is installed as a component of Internet Explorer 4.0, Service Pack 2 or later, and can be activated for use.

McAfee Policy Enforcer 1.0

Software requirements

Product — ePolicy Orchestrator 3.6, Patch 2.

VirusScan Enterprise — If McAfee VirusScan Enterprise 8.0i is installed on the ePO server, you must install VirusScan Enterprise 8.0i, Patch 11 or later.

Standalone MPE server requirements

Browser — Microsoft Internet Explorer 6.0 or later.

Database software — MDAC 2.8 (Windows 2000 only).

Domain controllers — The server must have a trust relationship with the Primary Domain Controller (PDC) on the network. For instructions, see the Microsoft product documentation.

Installing the software on a Primary Domain Controller (PDC) is supported, but not recommended.

File system — NTFS (NT file system) partition (recommended).

Free disk space — 500 MB (first-time installation); 1 GB (upgrade); 2GB recommended.

IP address — Static IP address (recommended).

Memory — 512 MB RAM (minimum); 1 GB (recommended).

Monitor — 1024x768, 256-color, VGA monitor.

NIC (network interface card) — 100 Mbps or higher.

Operating system:

- Windows 2000 Advanced Server, Service Pack 3 or later.
- Windows 2000 Server, Service Pack 3 or later.
- Windows 2000 Terminal Services, Service Pack 3 or later.
- Windows Server 2003 Enterprise, Service Pack 1 or later.
- Windows Server 2003 Standard, Service Pack 1 or later.
- Windows Server 2003 Web, Service Pack 1 or later.

McAfee Policy Enforcer 1.0 (continued)

Processor:

- Intel Pentium compatible.
- 450 MHz or higher.

VirusScan Enterprise — If VirusScan Enterprise 8.0i is installed on the stand-alone MPE server, you must install VirusScan Enterprise 8.0i, Patch 11 or later.

MPE sensor requirements

Browser — Internet Explorer 6.0 or later.

File system — NTFS partition (recommended).

Free disk space — 65 MB or higher.

Host computer — Server computer (recommended).

Memory — 512 MB or higher RAM.

Network environment — TCP/IP.

NIC (network interface card):

- Ethernet interface that supports 802.3, Ethernet II, or 802.11 protocol.
- 100 Mbps or higher.

Operating system:

- Windows 2000 Professional, Service Pack 3 or later.
- Windows 2000 Advanced Server, Service Pack 3 or later.
- Windows 2000 Server, Service Pack 3 or later.
- Windows 2000 Terminal Services, Service Pack 3 or later.
- Windows XP Professional, Service Pack 1 or later.
- Windows Server 2003 Enterprise.
- Windows Server 2003 Standard.
- Windows Server 2003 Web.

Processor:

- Intel Pentium compatible.
- 300 MHz or higher.

Product — ePO agent (Common Management Agent) 3.5.5 or later.

MPE scanner requirements

Computers on which you are installing the MPE scanner must meet these minimum requirements. Systems being scanned remotely have no specific requirements.

Browser — Internet Explorer 6.0 or later.

Host computer — Server computer (recommended).

Memory (when scanning remote systems) — 512 MB or higher RAM.

Operating system (when scanning remote systems):

- Windows 2000 Professional, Service Pack 3 or later without *MS05-019.
- Windows 2000 Advanced Server, Service Pack 3 or later without *MS05-019.
- Windows 2000 Server, Service Pack 3 or later without *MS05-019.
- Windows 2000 Terminal Services, Service Pack 3 or later without *MS05-019.
- Windows XP Professional with no service pack without *MS05-019 and with †Internet Connection Firewall disabled.
- Windows XP Professional, Service Pack 1 or later without *MS05-019 and with †Internet Connection Firewall disabled.
- Windows Server 2003 Enterprise, Service Pack 1 or later without *MS05-019 and with †Windows Firewall disabled.
- Windows Server 2003 Standard, Service Pack 1 or later without *MS05-019 and with †Windows Firewall disabled.
- Windows Server 2003 Web, Service Pack 1 or later without *MS05-019 and with †Windows Firewall disabled.

* The scanner cannot be installed on computers running Microsoft Security Bulletin MS05-019 Vulnerabilities in TCP/IP Could Allow Remote Code Execution and Denial of Service (893066) because it inadvertently disables raw socket support.

† Scanner host computers cannot scan remote systems when the Internet Connection Firewall or Windows Firewall is enabled [specifically the Internet Connection Firewall (ICS)/Internet Connection Sharing (ICS) service or Application Layer Gateway Service, respectively] because these services prevent TCP packets from being sent to specific ports.

Operating system (when only scanning the local computer):

- Windows 2000 Professional, Service Pack 3 or later.
- Windows 2000 Advanced Server, Service Pack 3 or later.
- Windows 2000 Server, Service Pack 3 or later.
- Windows 2000 Terminal Services, Service Pack 3 or later.
- Windows XP Professional, Service Pack 1 or later.
- Windows Server 2003 Enterprise, Service Pack 1 or later.
- Windows Server 2003 Standard, Service Pack 1 or later.
- Windows Server 2003 Web, Service Pack 1 or later.

Product — ePO agent (Common Management Agent) 3.5.5 or later.

VPN-connected computer requirements

IPSec VPN

VPN client software:

- Check Point VPN-1 SecureClient.
Check Point VPN-1 SecuRemote does not support Secure Configuration Verification (SCV) and, thus, cannot be supported.
- Nortel VPN Client.
- Nortel VPN Tunnel Guard agent.

Products:

- ePO agent 3.5.5 or later.
- MPE scanner 1.0 or later.

SSL VPN

VPN client software:

No client software required.

VPN appliance requirements

IPSec VPN

Free disk space — 5 MB or higher.

VPN software:

- Check Point VPN-1 Pro.
- Nortel VPN Router 600, 1010, 1050, 1100, 1700, 1740, 2700, or 5000 series.
- Nortel VPN Gateway 3050 or 3070 series.

SSL VPN

Free disk space — 5 MB or higher.

VPN software:

- Juniper Networks Remote Access 500 series.
- Juniper Networks Secure Access 700, 1000, 2000, 3000, 4000, or 6000 series.

Products:

- VPN installation package.

Router requirements

Protocols:

- SNMP (Simple Network Management Protocol) 2.0c or later.

Remediation portal requirements

If you install the remediation portal on a different computer from the ePO server or stand-alone MPE server, it must meet these minimum requirements:

Browser — Internet Explorer 6.0 or later.

Free disk space — 200 MB or higher.

IP address — Static IP address (recommended).

Memory — 384 MB or higher RAM.

McAfee Policy Enforcer 1.0 (continued)

Operating system:

- Windows 2000 Advanced Server, Service Pack 3 or later.
- Windows 2000 Server, Service Pack 3 or later.
- Windows 2000 Terminal Services, Service Pack 3 or later.
- Windows Server 2003 Enterprise, Service Pack 1 or later.
- Windows Server 2003 Standard, Service Pack 1 or later.
- Windows Server 2003 Web, Service Pack 1 or later.

Processor:

- Intel Pentium compatible.
- 300 MHz or higher.

Switch requirements

Protocols:

- SNMP (Simple Network Management Protocol) 2.0c or later.
- STP (Spanning-Tree Protocol).
- CDP (Cisco Discovery Protocol); (recommended).

Vendors — For a list of switch vendors on which topology discovery and switch enforcement are supported, go to solution ID [KB46328](#) on the McAfee Knowledge Base.

McAfee SpamKiller 2.1.2 for Exchange

Exchange 2000

Browser — Internet Explorer 5.5 or later.

Exchange — Microsoft Exchange 2000 Server, Service Pack 1 or later.

Free disk space — 400 MB.

Memory — 128 MB RAM (256 MB recommended).

Monitor — 1024x768; 24-bit color or higher (recommended).

Operating system — Windows 2000 Server, Service Pack 3 or later.

Processor — Intel Pentium or compatible.

Processor speed — 133 MHz or higher.

Other — A CD-ROM drive or Internet connection.

Exchange 2003

Browser — Internet Explorer 5.5 or later.

Exchange — Microsoft Exchange 2003 Server.

Free disk space — 400 MB.

Memory — 256 MB RAM (512 MB recommended).

Monitor — 1024x768; 24-bit color or higher (recommended).

Operating system:

- Microsoft Windows 2000 Server, with Service Pack 3.
- Microsoft Windows Server 2003 Standard Edition (32-bit).
- Microsoft Windows Server 2003 Enterprise Edition (32-bit).

Processor — Intel Pentium or compatible.

Processor speed — 133 MHz or higher.

Other — A CD-ROM drive or Internet connection.

McAfee SpamKiller 2.1 for Domino

Browser — Internet Explorer 5.5 or later.

Domino:

- Lotus Domino 5.x.x
- Lotus Domino 6.0.x
- Lotus Domino 6.5.x.

Free disk space — 1 GB.

Memory — 512 MB RAM and 139 MB Paging space.

Monitor — 1152x864; 32768 colors.

Operating system:

- Microsoft Windows 2000 Server, with Service Pack 3 or later.
- Microsoft Windows 2003 Server.

Processor — Intel Pentium or compatible.

Processor speed — 133 MHz or higher.

Other — A CD-ROM drive or Internet connection.

McAfee VirusScan Enterprise 8.0i

Browser — Internet Explorer 5.0 or later.

Free disk space — 38 MB (complete installation) plus 22 MB (temporary).

If you are using a management tool to deploy VirusScan Enterprise, an additional 40 MB of disk space is needed. This disk space is normally freed when the installation is complete, depending on the management tool you are using.

Memory — 32 MB RAM (minimum). For information on optimal operating system performance, review the Microsoft guidelines for minimum RAM configuration.

Operating system (server):

- Windows NT Server 4.0, Service Pack 6 or 6a.
- Windows NT Enterprise Server 4.0, Service Pack 6 or 6a.
- Windows NT Terminal Server 4.0, Service Pack 6.
- Windows 2000 Server, Service Pack 3 or 4.

- Windows 2000 Advanced Server, Service Pack 3 or 4.
- Windows Server 2003 Standard.
- Windows Server 2003 Enterprise.

Operating system (workstation):

- Windows NT Workstation 4.0, Service Pack 6 or 6a.
- Windows 2000 Professional, Service Pack 2, 3, or 4.
- Windows XP Home, Service Pack 1.
- Windows XP Professional, Service Pack 1.
- Windows XP Tablet PC.

Processor — Intel or compatible; Intel Pentium or Celeron (recommended).

Processor speed — 166 MHz or higher.

Other — A CD-ROM drive or Internet connection.

McAfee VirusScan Command Line Scanners

Windows requirements

Processor — Intel Pentium or compatible.

Free disk space — 10 MB.

Memory:

- **MS-DOS** — 16 MB RAM (minimum); 32 MB RAM (recommended).
- **Windows 98** — 32 MB RAM (minimum); 64 MB RAM (recommended).
- **Windows NT 4.0, Windows 2000, Windows XP** — 64 MB RAM (minimum); 128 MB RAM (recommended).

Operating systems:

- DOS 6.22 or later.
- Windows 98.
- Windows NT Workstation 4.0.
- Windows NT Server 4.0.
- Windows 2000 Advanced Server.
- Windows 2000 Datacenter Server.
- Windows 2000 Enterprise Server.
- Windows 2000 Server.
- Windows 2000 Professional.
- Windows XP Home.
- Windows XP Professional.

Other — A CD-ROM drive or Internet connection.

UNIX requirements

Free disk space — 10 MB.

Memory — 64 MB RAM (minimum); 128 MB RAM (recommended).

Operating systems:

- IBM AIX 4.3.3., 5.1, 5.2, and 5.3 for RS6000 with the latest Maintenance Packages.
- FreeBSD 4.3 to 4.11 for Intel (x86) 32-bit with legacy compatibility library libc.so.3.
- Hewlett-Packard HP-UX 11.0 and 11i for PA-RISC with the latest Standard HP-UX patch bundles. *Note: HP-UX 11i v2 (11.23) is not supported.*
- Linux for Intel (x86) 32-bit 2.2 and 2.4 production kernels with libc6 (glibc) and the stdc++ library versions 2.95 and 2.96, as present in older Linux distributions. *The 2.6 kernel is not supported.*
- Linux for Intel (p4) 32-bit 2.4 and 2.6 kernels with the stdc++ library version 3.2 onwards. This links to libstdc++.so.5 which is only present in newer Linux distributions such as Red Hat 9 and SuSE 9.x. This distribution is optimized for Pentium 4 but is fully compatible with all Intel Pentium-compatible processors.
- Sun Microsystems Solaris for SPARC versions 8 and 9 (32- and 64-bit) with the latest Solaris OS Recommended Cluster.

Other — A CD-ROM drive or Internet connection.

McAfee WebShield SMTP 4.5 Maintenance Release 2

Free disk space (email scanning):

- 150 MB (low message throughput).
- 750 MB (medium message throughput).
- 950 MB (high message throughput).

Free disk space (server installation) — 40 MB.

Free disk space (remote computer installation) — 20 MB.

Free memory:

- **Windows 2003** — 128 MB (minimum); 256 MB (recommended).
- **Windows 2000** — 128 MB (minimum); 256 MB (recommended).

Operating system (server):

- Microsoft Windows 2003 Service Pack 1 or later.
- Microsoft Windows 2000 Server, Advanced Server or Datacenter.

Operating system (remote computer):

- Microsoft Windows 2003 Service Pack 1 or later.
- Microsoft Windows 2000 Professional, Server, Advanced Server or Datacenter.

Processor — Pentium processor.

Processor speed — 200 MHz.