

# System Requirements

Review this Forefront Client Security information to make sure you have the required hardware and software to run the product.

## Management Server

Configuration	Processor and memory	Operating system	Software	Hard disk
Management Server	1-gigahertz (GHz) or faster processor  1 gigabyte (GB) of RAM or more recommended	Windows Server 2003 Service Pack 2 (SP2) or later, Standard or Enterprise		
		Windows Server 2008 Standard or Windows Server 2008 Enterprise		
		Windows Server 2008 Standard SP1 or later, or Windows Server 2008 Enterprise SP1 or later	.NET Framework 2.0	
		Not supported	Group Policy Management Console (GPMC) with SP1	512 megabytes (MB) or more
		Windows Server 2008 Server Core installation	Microsoft Management Console (MMC) 3.0	
		Windows Server 2008 R2 x64 and Itanium server editions		
		Microsoft Windows Small Business Server 2003		
		Windows Small Business Server 2003 R2 Windows Small Business Server 2008		

## Collection Server Without Database

Configuration	Processor and memory	Operating system	Software	Hard disk
Collection server without database	1-GHz or faster processor  512 MB of RAM or	Windows Server 2003 SP2 or later, Standard or Enterprise		
		Windows Server 2008 Standard or Windows Server 2008 Enterprise	.NET Framework 2.0	1 GB or more

more

Windows Server 2008 Standard SP1 or later, or Windows Server 2008 Enterprise SP1 or later

Not supported

Windows Server 2008 Server Core installation

Windows Server 2008 R2

x64 and Itanium server editions

Microsoft Windows Small Business Server 2003

Windows Small Business Server 2003 R2

Windows Small Business Server 2008

**Collection Server with Database or Collection Database Server**

<b>Configuration</b>	<b>Processor and memory</b>	<b>Operating system</b>	<b>Software</b>	<b>Hard disk</b>
		Windows Server 2003 SP2 or later, Standard or Enterprise		
		Windows Server 2008 Standard or Windows Server 2008 Enterprise		
		Windows Server 2008 Standard SP1 or later, or Windows Server 2008 Enterprise SP1 or later	SQL Server 2005 with SP1 or later, Enterprise or Standard (including Database Services and Workstation components)	30 GB or more
Collection server with database or collection database server	Dual 2-GHz or faster processors	Not supported		
	2 GB of RAM or more	Windows Server 2008 Server Core installation	Not supported	
		Windows Server 2008 R2	SQL Server 2008	
		x64 and Itanium server editions		
		Microsoft Windows Small Business Server 2003		
		Windows Small Business Server 2003 R2		
		Windows Small Business Server 2008		

## Reporting Server Without Database

Configuration	Processor and memory	Operating system	Software	Hard disk
Reporting server without database	1-GHz or faster processor  512 MB of RAM or more	Windows Server 2003 SP2 or later, Standard or Enterprise		
		Windows Server 2008 Standard or Windows Server 2008 Enterprise	SQL Server 2005 with SP1 or later, Enterprise or Standard (Reporting Services)	
		Windows Server 2008 Standard SP1 or later, or Windows Server 2008 Enterprise		
		Windows Server 2008 Standard SP1 or later	Internet Information Services (IIS) 6.0 and ASP.NET	512 MB or more
		Not supported	Not supported	
		x64 and Itanium server editions Microsoft Windows Small Business Server 2003 Windows Small Business Server 2003 R2 Windows Small Business Server 2008	SQL Server 2008	

## Reporting Server with Database or Reporting Database Server

Configuration	Processor and memory	Operating system	Software	Hard disk
Reporting server with database or reporting database server	Dual 2-GHz or faster processors  2 GB of RAM or more	Windows Server 2003 SP2 or later, Standard or Enterprise		
		Windows Server 2008 Standard or Windows Server 2008 Enterprise	SQL Server 2005 with SP1 or later, Enterprise or Standard (including Database Services and Workstation components)	75 GB or more
		Windows Server 2008 Standard SP1 or later, or Windows Server 2008 Enterprise SP1 or later	Not supported	
		Not supported	SQL Server 2008	

Windows Server 2008 Server Core installation  
 Windows Server 2008 R2  
 x64 and Itanium server editions  
 Microsoft Windows Small Business Server 2003  
 Windows Small Business Server 2003 R2  
 Windows Small Business Server 2008

## Distribution Server

Configuration	Processor and memory	Operating system	Software	Hard disk
Distribution server	See <a href="#">Design the WSUS Deployment</a>	Windows Server 2003 SP1 or later, Standard or Enterprise	IIS 6.0 and ASP.NET	See <a href="#">Design the WSUS Deployment</a>
		Windows Server 2008 Standard or Windows Server 2008 Enterprise	.NET Framework 2.0	
		Windows Server 2008 Standard SP1 or later, or Windows Server 2008 Enterprise SP1 or later	Windows Server Update Services (WSUS) 2.0 with SP1 or later For database requirements, see <a href="#">Design the WSUS Deployment</a>	
		x64 editions not supported		

## Combined: Management, Collection, and Reporting Server

Configuration	Processor and memory	Operating system	Software	Hard disk
Combined: Management, collection, and reporting server	Dual 2.85-GHz or faster processors 4 GB of RAM or more	Windows Server 2003 SP2 or later, Standard or Enterprise Windows Server 2008 Standard or Windows Server 2008 Enterprise	SQL Server 2005 with SP1 or later, Enterprise or Standard (including Database Services, Integration Services, Reporting Services, and Workstation components)	100 GB or more

	.NET Framework 2.0
Windows Server 2008 Standard	
SP1 or later, or Windows Server	GPMC with SP1
2008 Enterprise SP1 or later	
	WSUS 2.0 with SP1 or later
Not supported	
	IIS 6.0 and ASP.NET
Windows Server 2008 Server	
Core installation	MMC 3.0
Windows Server 2008 R2	
x64 and Itanium server editions	Not supported
Microsoft Windows Small	
Business Server 2003	SQL Server 2008
Windows Small Business Server	
2003 R2	
Windows Small Business Server	
2008	

**Combined: Collection Database and Reporting Database**

Configuration	Processor and memory	Operating system	Software	Hard disk
Combined:	Dual 2.85-GHz or faster processors	Windows Server 2003 SP2 or later, Standard or Enterprise		
		Not supported	SQL Server 2005 with SP1 or later, Enterprise or Standard (including Database Services, Integration Services, Reporting Services, and Workstation components)	100 GB or more
Collection database and reporting database	4 GB of RAM or more	x64 and Itanium server editions	Not supported	
		Microsoft Windows Small Business Server 2003		
		Windows Small Business Server 2003 R2	SQL Server 2008	
		Windows Small Business Server 2008		

**Combined: Single-Server Production Topology (All Components on One Server)**

Configuration	Processor and memory	Operating system	Software	Hard disk
Combined: Single-server production topology (all components on one server)	Dual 2.85-GHz or faster processors 4 GB of RAM or more	Windows Server 2003 SP2 or later, Standard or Enterprise		
		Windows Server 2008 Standard or Windows Server 2008 Enterprise	SQL Server 2005 with SP1 or later, Enterprise or Standard (including Database Services, Integration Services, Reporting Services, and Workstation components)	
		Windows Server 2008 Standard SP1 or later, or Windows Server 2008 Enterprise SP1 or later	.NET Framework 2.0	
		Not supported	GPMC with SP1	100 GB or more
		Windows Server 2008 Server Core installation	WSUS 2.0 with SP1 or later	
		Windows Server 2008 R2 x64 and Itanium server editions	IIS 6.0 and ASP.NET	
		Microsoft Windows Small Business Server 2003	MMC 3.0	
		Windows Small Business Server 2003 R2	Not supported	
		Windows Small Business Server 2008	SQL Server 2008	
		Windows Small Business Server 2008		

### Combined: Single-Server Evaluation Topology (All Components on One Server)

Configuration	Processor and memory	Operating system	Software	Hard disk
Combined: Single-server evaluation topology (all components on one server)	1-GHz or faster processor 1 GB of RAM or more	Windows Server 2003 SP2 or later, Standard or Enterprise Windows Server 2008 Standard or Windows Server 2008 Enterprise	SQL Server 2005 with SP1 or later, Enterprise or Standard (including Database Services, Integration Services, Reporting Services, and Workstation components) .NET Framework 2.0	6 GB or more

Windows Server 2008 Standard SP1 or later, or Windows Server 2008 Enterprise SP1 or later	GPMC with SP1 WSUS 2.0 with SP1 or later
Not supported	IIS 6.0 and ASP.NET
Windows Server 2008 Server Core installation	MMC 3.0
Windows Server 2008 R2 x64 and Itanium server editions	Not supported
Microsoft Windows Small Business Server 2003	SQL Server 2008
Windows Small Business Server 2003 R2	
Windows Small Business Server 2008	

## Client Computer

Configuration	Processor and memory	Operating system	Software	Hard disk
		Windows 2000 Professional with SP4 and Update Rollup		
		Windows 2000 Server with SP4 and Update Rollup		
		Windows 2000 Advanced Server SP4 and Update Rollup		
		Windows 2000 Datacenter Server with SP4 and Update Rollup		
Client Computer	700-megahertz (MHz) or faster processor	Windows XP Professional with SP2 or later	Windows Update Agent 2.0	350 MB or more
	256 MB of RAM or more	Windows XP Home with SP2 or later	Windows Installer 3.1	
		Windows XP Tablet PC Edition with SP2 or later		
		Windows XP Media Center Edition with SP2 or later		
		Windows Server 2003 with SP2 or later		

Windows Server 2008 Standard or Windows Server 2008 Enterprise

Windows Server 2008 Standard with SP1 or later, or Windows Server 2008 Enterprise with SP1 or later

Windows Server 2008 Standard Server Core installation or Windows Server 2008 Enterprise Server Core installation

Windows Server 2008 Standard Server Core installation with SP1 or later, or Windows Server 2008 Enterprise Server Core installation with SP1 or later

Windows Server 2008 R2 Standard

Windows Server 2008 R2 Enterprise

Windows Server 2008 R2 Datacenter

Windows Server 2008 R2 HPC Edition

Windows Server 2008 R2 Server Core installation

Windows Web Server 2008 R2

Windows Server 2008 R2 Foundation

Windows Vista® Business, Enterprise, Home, or Ultimate

Windows Vista Business, Enterprise, Home, or Ultimate with SP1 or later

Windows® 7 Home, Professional, Enterprise, or Ultimate

Servers running Terminal Services are supported as client computers

x64 (except Itanium) operating system installations are supported for client computers

Windows 2000 Server, Windows Server 2003, and Windows Server 2008 clustered nodes are supported as client computers.

Windows Server 2008 HPC Edition

## Notes

- If you are installing multiple Client Security deployments, you must use unique computer names for each collection database server and reporting database server, as well as unique Management group names. Unique names allow you to use the Client Security Enterprise Manager tool to aggregate reporting and to manage your Client Security environment from a single Client Security console.
- The operating system, the software prerequisites (including SQL Server and WSUS), and the installation of Client Security on the servers must all be in the same language version. You can, however, install the English version of Client Security on a server with an operating system of a different language version.
- Client Security server components are not supported for x64 and Itanium operating systems; however, Client Security client components are supported for x64 (but not Itanium) operating systems.
- Client Security supports:
  - Installing Client Security client components on clustered nodes
  - Running Client Security server components on a 32-bit guest hosted on Windows Server 2008 with Hyper-V
  - Running WSUS 3.0 or higher on x64 operating systems that are not also running Client Security server components
- Client Security does not support:
  - Installing Client Security server components on a domain controller
  - Installing Client Security server components on a Server Core installation of Windows Server 2008 R2
  - Installing Client Security server components on Windows Server 2008 R2
  - Installing Client Security server components on a Server Core installation of Windows Server 2008
  - Using a clustered installation of SQL Server for Client Security server components
  - Running the server components of Client Security within a Microsoft Virtual Server environment
  - Installing Client Security server components on Microsoft Windows Small Business Server 2003, Windows Small Business Server 2003 R2, or Windows Small Business Server 2008

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