



9.0 Worry-Free™ Business Security Standard and Advanced Editions Service Pack 1 System Requirements

Securing Your Journey to the Cloud



Protected Cloud



Web Security

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<http://docs.trendmicro.com/en-us/smb/worry-free-business-security.aspx>

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This documentation introduces the main features of the product and/or provides installation instructions for a production environment. Read through the documentation before installing or using the product.

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Chapter 1

Fresh Installation Requirements

Security Server Requirements

Operating System



Note

- All 64-bit versions of the listed operating systems are supported unless noted otherwise.
- The Security Server does not support Windows server operating systems that run the **Server Core** environment.

TABLE 1-1. Minimum Operating System Requirements

SERIES OR FAMILY	EDITION	SERVICE PACK OR RELEASE
Windows XP	<ul style="list-style-type: none"> • Professional • Home 	SP3
Windows Vista	<ul style="list-style-type: none"> • Ultimate • Enterprise • Business • Home • Premium • Home Basic 	SP1 or SP2
Windows 7	<ul style="list-style-type: none"> • Ultimate • Enterprise • Professional • Home • Premium • Home Basic 	With or without SP1

SERIES OR FAMILY	EDITION	SERVICE PACK OR RELEASE
Windows 8	<ul style="list-style-type: none"> • Basic • Professional • Enterprise 	N/A
Windows 8.1	<ul style="list-style-type: none"> • Basic • Professional • Enterprise 	Update 1
Windows Server 2003 and 2003 R2	<ul style="list-style-type: none"> • Web • Standard • Enterprise 	SP1 or SP2
Windows Small Business Server (SBS) 2003 and 2003 R2	<ul style="list-style-type: none"> • Standard • Premium 	SP1 or SP2
Windows Storage Server 2003 and 2003 R2	N/A	N/A
Windows Home Server	N/A	Power Pack 2 or 3
Windows Server 2008	<ul style="list-style-type: none"> • Foundation • Standard • Enterprise • Datacenter 	SP1 or SP2
Windows Server 2008 R2	<ul style="list-style-type: none"> • Foundation • Standard • Enterprise • Datacenter 	With or without SP1
Windows SBS 2008	<ul style="list-style-type: none"> • Standard • Premium 	SP1 or SP2

SERIES OR FAMILY	EDITION	SERVICE PACK OR RELEASE
Windows Essential Business Server (EBS) 2008	<ul style="list-style-type: none"> • Standard • Premium 	SP1 or SP2
Windows Storage Server 2008 and 2008 R2	<ul style="list-style-type: none"> • Workgroup • Standard • Enterprise 	N/A
Windows SBS 2011	<ul style="list-style-type: none"> • Standard 	With or without SP1
	<ul style="list-style-type: none"> • Essentials 	SP1 (included out-of-the-box)
Windows Home Server 2011	N/A	SP1
Windows Server 2012	<ul style="list-style-type: none"> • Foundation • Standard • Datacenter • Essentials 	N/A
Windows Server 2012 R2	<ul style="list-style-type: none"> • Foundation • Standard • Datacenter • Essentials 	Update
Windows Storage Server 2012	<ul style="list-style-type: none"> • Workgroup • Standard 	N/A
Windows Storage Server 2012 R2	<ul style="list-style-type: none"> • Workgroup • Standard 	Update

Web Server

Setup checks if a web server exists on the target computer.

TABLE 1-2. Web Server Detection Scenarios


SCENARIO	RESULT	NOTES
Setup detects both IIS and Apache web servers	<ul style="list-style-type: none"> • For a typical or minimal installation, Setup automatically uses IIS. • For a custom installation: <ul style="list-style-type: none"> • Setup automatically uses IIS if the Apache web server version is not supported (only versions 2.0.54, 2.0.55, 2.0.6x, and 2.2.22 are supported) • You can choose either of the two web servers if the Apache web server version is supported. 	If the computer runs Windows Vista, 7, 8, or 8.1, Trend Micro recommends a custom installation and choosing Apache as the web server.
Setup detects only an IIS web server	<ul style="list-style-type: none"> • For a typical or minimal installation, Setup automatically uses IIS. • For a custom installation, you can choose either of the two web servers. If you choose Apache, Setup automatically installs Apache version 2.2.22. 	

SCENARIO	RESULT	NOTES
Setup detects only an Apache web server	<ul style="list-style-type: none"> • Setup uses Apache if the Apache version is 2.0.54, 2.0.55, 2.0.6x, or 2.2.22. • Installation cannot proceed if other Apache versions exist. Consider the following actions: <ul style="list-style-type: none"> • Uninstall Apache if no application is using it. • Upgrade Apache to version 2.0.54, 2.0.55, 2.0.6x, or 2.2.22 if any of these versions is compatible with the applications that use Apache. • Choose another computer on which to install the Security Server. 	<p>The following platforms have IIS and are supported by the Security Server:</p> <ul style="list-style-type: none"> • Windows Server 2003 or 2003 R2 • Windows SBS 2003 or 2003 R2 • Windows Home Server • Windows Server 2008 or 2008 R2 • Windows SBS 2008 • Windows EBS 2008 • Windows SBS 2011 Standard or Essentials • Windows Server 2012 and 2012 R2 <p>If Setup cannot detect IIS on these platforms, IIS may have been disabled (by default or by the system administrator). Enable IIS if this is your preferred web server.</p>
Setup detects neither web server	Setup automatically installs Apache web server 2.2.22.	

Hardware

TABLE 1-3. Minimum Hardware Requirements

HARDWARE	SCAN METHOD	SPECIFICATIONS
Processor	Conventional scan	Intel™ Pentium™ 4 or higher
	Smart scan	Multiple processors or multi-core processor

HARDWARE	SCAN METHOD	SPECIFICATIONS
Memory exclusively for the Security Server	Conventional scan (32-bit)	<ul style="list-style-type: none"> • 512MB • 1GB recommended
	Smart scan (32-bit)	<ul style="list-style-type: none"> • 1GB • 2GB recommended
	Smart or conventional scan (64-bit)	<ul style="list-style-type: none"> • 1GB • 2GB recommended
Available disk space	N/A	<p>11GB total</p> <ul style="list-style-type: none"> • 4.1GB for the Security Server program files • 6.9GB for Security Server operations <hr/> <p> Note</p> <p>11GB is exclusively for the Security Server. Additional disk space is necessary because the Security Agent will also be installed on the same computer as the Security Server (installing the Messaging Security Agent is optional). See the next sections for the disk space requirements for agents.</p>

Virtualization

WFBS supports the following virtualization applications:

- Citrix Presentation Server™ 4.0, 4.5, 5.0 (XenApp)
- XenServer 6.0, 6.1, 6.2
- XenClient 2.0, 2.1
- VMware™ ESX™ 3.x, 4.x, 5.0, 5.1, 5.5

- VMware Server 1.0.3, 2.0.1
- VMware Workstation 6.0, 6.5, 7.0, 8.0, 9.0, 10.0
- Microsoft Hyper-V™ Server 2008 R2
- Microsoft Hyper-V™ Server 2012 and 2012 R2 and Windows Server 2012 and 2012 R2 Hyper-V™
- Remote Desktop

Web Console Requirements

TABLE 1-4. Minimum Web Console Requirements

REQUIREMENT	MINIMUM SPECIFICATIONS
Browser	Internet Explorer 7.0. Newer versions highly recommended.
PDF reader	Adobe™ Acrobat™ Reader 6.0. Newer versions highly recommended.
Display	High-color display with a resolution of 1024x768 pixels or higher

Security Agent and Update Agent Requirements

Operating System

The Security Agent and Update Agent support all operating systems supported by the Security Server.

In addition to these operating systems, the following are also supported:

- Windows XP Home PC with SP2 (Security Agent and Update Agent)

- Windows XP Tablet with SP3 (Security Agent only)
- Windows POSReady 2009 (Security Agent only)
- Windows POSReady 7 (Security Agent only)

Processor

TABLE 1-5. Minimum Processor Requirements

PROCESSOR	OPERATING SYSTEM	CLOCK SPEED
<ul style="list-style-type: none"> • Intel™ Pentium™ x86 or compatible processor • x64 processor supporting AMD64 and Intel EM64T technologies 	Windows Server 2008, SBS 2008, or EBS 2008	1GHz
	Windows Vista and Windows 7	800MHz
	Windows XP, Server 2003, SBS 2003, or Home Server	450MHz
	Windows 8, Windows 8.1, Server 2008 R2, Home Server 2011, SBS 2011, SBS 2011 Essentials, Server 2012/2012 R2, and Server 2012/2012 R2 Essentials	1.4 GHz

Memory

TABLE 1-6. Minimum Memory Requirements

OPERATING SYSTEM	MEMORY EXCLUSIVELY FOR THE SECURITY AGENT
Windows SBS 2011 Standard/Essentials	<ul style="list-style-type: none"> • 8GB • 10GB recommended
Windows SBS/EBS 2008	<ul style="list-style-type: none"> • 4GB • 8GB recommended
Windows 7, 8, 8.1, Server 2003, SBS 2003 or Server 2008	<ul style="list-style-type: none"> • 1GB • 2GB recommended

OPERATING SYSTEM	MEMORY EXCLUSIVELY FOR THE SECURITY AGENT
Windows 2008 R2, Home Server 2011, 2012/2012 R2, 2012/2012 R2 Essentials	<ul style="list-style-type: none"> • 2GB • 8GB recommended
Windows Vista, Windows Home Server	<ul style="list-style-type: none"> • 512MB • 1GB recommended
Windows XP	<ul style="list-style-type: none"> • 256MB • 512MB recommended

Disk Space

TABLE 1-7. Minimum Disk Space Requirements

SCAN METHOD	DISK SPACE
Smart Scan	450MB total for Security Agents <ul style="list-style-type: none"> • 300MB for the Security Agent program files • 150MB for Security Agent operations
	800MB total for Update Agents <ul style="list-style-type: none"> • 300MB for the Update Agent program files • 500MB for Update Agent operations
Conventional Scan	700MB total for Security Agents <ul style="list-style-type: none"> • 400MB for the Security Agent program files • 300MB for Security Agent operations
	1050MB total for Update Agents <ul style="list-style-type: none"> • 400MB for the Update Agent program files • 650MB for Update Agent operations

Network Traffic During Agent Deployment

The following table lists the **minimum** network traffic created when the Security Server deploys the agent installation package to a computer through Internal Web Page, Login Script (Autopcc), or Remote Install:

Agent installation package deployed to a 32-bit computer	80MB
Agent installation package deployed to a 64-bit computer	110MB

Virtualization

Agents support the same virtualization applications supported by the Security Server. See [Virtualization on page 1-7](#).

Others

- 256-color display or higher with resolutions of 800x600 pixels or higher
- Gigabit network interface cards (NICs) supported

Messaging Security Agent Requirements

Operating System



Note

All major editions and 64-bit versions of the listed operating systems are supported unless noted otherwise.

The Messaging Security Agent (MSA) requires the following components. If the MSA is installed on the same server as the Security Server, the components are installed automatically. If the MSA is installed on a different server than the Security Server, these components must be installed on the server where the MSA is installed.

- .NET 3.5 SP1 (even if .NET 4.0 is installed)
- Windows Installer 4.5

TABLE 1-8. Minimum Operating System Requirements

SERIES OR FAMILY	SERVICE PACK OR RELEASE
Windows Server 2003 and 2003 R2 (with Storage Server 2003)	SP1 or SP2
Windows SBS 2003 and 2003 R2	SP1 or SP2
Windows Server 2008	SP1 or SP2
Windows Server 2008 R2	With or without SP1
Windows SBS 2008	SP1 or SP2
Windows EBS 2008	SP1 or SP2
Windows SBS 2011	With or without SP1
Windows 2012	With or without SP1
Windows 2012 R2	

Web Server

TABLE 1-9. Minimum Web Server Requirements

WEB SERVER	COMPATIBLE OPERATING SYSTEMS
Microsoft IIS 6.0	<ul style="list-style-type: none"> • Windows Server 2003 • Windows SBS 2003
Microsoft IIS 7.0	<ul style="list-style-type: none"> • Windows Server 2008 • Windows SBS 2008 • Windows EBS 2008
Microsoft IIS 7.5	<ul style="list-style-type: none"> • Windows Server 2008 R2 • Windows SBS 2011 Standard or Essentials
Microsoft IIS 8.0	<ul style="list-style-type: none"> • Windows Server 2012
Microsoft IIS 8.5	<ul style="list-style-type: none"> • Windows Server 2012 R2

Hardware

TABLE 1-10. Minimum Requirements

REQUIREMENT	MINIMUM SPECIFICATIONS
Processor	<ul style="list-style-type: none"> 1GHz Intel Pentium x86 or compatible processor 1GHz x64 processor supporting AMD64 and Intel EM64T technologies
Memory exclusively for the Messaging Security Agent	1GB
Available disk space	2GB total <ul style="list-style-type: none"> 500MB for the Messaging Security Agent program files 1.5GB for Messaging Security Agent operations

Mail Server

TABLE 1-11. Minimum Mail Server Requirements

MICROSOFT EXCHANGE VERSION	SERVICE PACK OR RELEASE
2003	SP2 or above
2007	SP1 or above
2010	SP2 or above
2013	SP1 with KB2938053



Note

To integrate properly with the anti-spam features in Microsoft Exchange Server 2003 and 2007, the Messaging Security Agent requires the Intelligent Message Filter.

Virtualization

Agents support the same virtualization applications supported by the Security Server. See *Virtualization on page 1-7*.

Trend Micro Security (for Mac) Client Requirements

Visit the following website for the complete list of requirements:

[http://docs.trendmicro.com/en-us/enterprise/trend-micro-security-\(for-mac\).aspx](http://docs.trendmicro.com/en-us/enterprise/trend-micro-security-(for-mac).aspx)

Chapter 2

Upgrade Requirements

Upgrading From Version 6.x

Security Server

All operating systems supported in WFBS 6.x, except Windows 2000, are supported in this version.

Upgrade notes and reminders:

1. If the Security Server runs the following platforms, apply the corresponding Microsoft service packs:
 - Windows XP: Service Pack 3
 - Windows Home Server: Power Pack 2 or 3
2. Check if the server computer needs additional resources to run this WFBS version. Refer to the following table for details:

RESOURCE	SECURITY SERVER 6.x REQUIREMENT	SECURITY SERVER 9.0 SP1 REQUIREMENT
Disk space	6GB	11GB
Browser (for the web console and web install page)	Microsoft Internet Explorer 6.0 or later (32-bit only)	Microsoft Internet Explorer 7.0 or newer

3. If Apache is currently used as web server:
 - Setup automatically upgrades the Apache version to 2.2.22 if the Apache web server was installed by the WFBS 6.x Setup program.
 - Setup keeps the existing Apache version if it was installed by other programs.
4. The scan method currently in use is retained after the upgrade.


Security Agent

All operating systems supported in WFBS 6.x, except Windows 2000, are supported in this version.

If you have agents running the above platform and you want to continue managing these agents, Trend Micro recommends installing another Security Server 6.x and then moving the agents to this server.

Upgrade notes and reminders:

1. If the agent runs Windows Home Server, apply Power Pack 2 or 3.
2. Check if the agent computer needs additional resources to run this WFBS version. Refer to the following table for details:

RESOURCE	SECURITY AGENT 6.X REQUIREMENT	SECURITY AGENT 9.0 SP1 REQUIREMENT
Disk space	450MB	<ul style="list-style-type: none"> • Conventional scan: 700MB • Smart scan: 450MB <hr/>  Note Additional 350 MB is needed if assigning the Security Agent as Update Agent after the upgrade.

Messaging Security Agent

All operating systems supported in WFBS 6.x, except Windows 2000 and SBS 2000, are supported in this version.

If you have agents running the above platforms and you want to continue managing these agents, Trend Micro recommends installing another Security Server 6.x and then moving the agents to this server.

Upgrade notes and reminders:

1. If the agent runs the following mail servers, apply the corresponding Microsoft service packs:
 - Microsoft Exchange Server 2003: Service Pack 2 or above
 - Microsoft Exchange Server 2007: Service Pack 1 or above

2. Check if the agent computer needs additional resources to run this WFBS version. Refer to the following table for details:

RESOURCE	MESSAGING SECURITY AGENT 6.X REQUIREMENT	MESSAGING SECURITY AGENT 9.0 SP1 REQUIREMENT
Disk space	1.6GB	2GB

3. If Apache is used as web server, Setup migrates the web server to IIS after the upgrade.

Upgrading From Version 7.x

Security Server

All operating systems supported in WFBS 7.x are supported in this version.

Upgrade notes and reminders:

1. If the Security Server runs Windows Home Server, apply Power Pack 2 or 3.
2. Check if the server computer needs additional resources to run this WFBS version. Refer to the following table for details:

RESOURCE	SECURITY SERVER 7.X REQUIREMENT	SECURITY SERVER 9.0 SP1 REQUIREMENT
Disk space	6GB	11GB

3. If Apache is currently used as web server:
 - Setup automatically upgrades the Apache version to 2.2.22 if the Apache web server was installed by the WFBS 7.x Setup program.
 - Setup keeps the existing Apache version if it was installed by other programs.
4. The scan method currently in use is retained after the upgrade.

Security Agent

All operating systems supported in WFBS 7.x are supported in this version.

If the agent runs Windows Home Server, apply Power Pack 2 or 3.

Messaging Security Agent

All operating systems supported in WFBS 7.x are supported in this version.

If the agent runs Microsoft Exchange Server 2010, apply Service Pack 1, 2, or 3.

Upgrading From Version 8.x

Security Server

All operating systems supported in WFBS 8.x are supported in this version.

Upgrade notes and reminders:

1. If the Security Server runs Windows Home Server, apply Power Pack 2 or 3.
2. Check if the server computer needs additional resources to run this WFBS version. Refer to the following table for details:

RESOURCE	SECURITY SERVER 8.x REQUIREMENT	SECURITY SERVER 9.0 SP1 REQUIREMENT
Disk space	6GB	11GB

3. If Apache is currently used as web server:
 - Setup automatically upgrades the Apache version to 2.2.22 if the Apache web server was installed by the WFBS 8.x Setup program.
 - Setup keeps the existing Apache version if it was installed by other programs.
4. The scan method currently in use is retained after the upgrade.

Security Agent

All operating systems supported in WFBS 8.x are supported in this version.

If the agent runs Windows Home Server, apply Power Pack 2 or 3.

Messaging Security Agent

All operating systems supported in WFBS 8.x are supported in this version.

If the agent runs Microsoft Exchange Server 2010, apply Service Pack 1, 2, or 3.

Upgrading From Version 9.0

Security Server

All operating systems supported in WFBS 9.0 are supported in this version.

Upgrade notes and reminders:

1. If the Security Server runs Windows Home Server, apply Power Pack 2 or 3.
2. Check if the server computer needs additional resources to run this WFBS version. Refer to the following table for details:

RESOURCE	SECURITY SERVER 9.0 REQUIREMENT	SECURITY SERVER 9.0 SP1 REQUIREMENT
Disk space	6GB	11GB

3. If Apache is currently used as web server, Setup keeps the existing Apache version if it was installed by other programs.
4. The scan method currently in use is retained after the upgrade.

Security Agent

All operating systems supported in WFBS 9.0 are supported in this version.

If the agent runs Windows Home Server, apply Power Pack 2 or 3.

Messaging Security Agent

All operating systems supported in WFBS 9.0 are supported in this version.

If the agent runs Microsoft Exchange Server 2010, apply Service Pack 1, 2, or 3.

If the agent runs Microsoft Exchange Server 2013, apply Service Pack 1 and KB2938053.



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