



# Worry-Free™ Business Security Standard and Advanced Editions

Securing Your Journey to the Cloud



**System Requirements**

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

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The user documentation for Trend Micro Worry-Free Business Security introduces the main features of the software and installation instructions for your production environment. Read through it before installing or using the software.

Detailed information about how to use specific features within the software are available in the online help file and the online Knowledge Base at Trend Micro's website.

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# 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. Minimum Operating System Requirements**

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

SERIES OR FAMILY	EDITION	SERVICE PACK OR RELEASE
Windows 8	<ul style="list-style-type: none"><li>• Basic</li><li>• Professional</li><li>• Enterprise</li></ul>	N/A
Windows Server 2003 and 2003 R2	<ul style="list-style-type: none"><li>• Web</li><li>• Standard</li><li>• Enterprise</li></ul>	SP1 or SP2
Windows Small Business Server (SBS) 2003 and 2003 R2	<ul style="list-style-type: none"><li>• Standard</li><li>• Premium</li></ul>	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"><li>• Foundation</li><li>• Standard</li><li>• Enterprise</li><li>• Datacenter</li></ul>	SP1 or SP2
Windows Server 2008 R2	<ul style="list-style-type: none"><li>• Foundation</li><li>• Standard</li><li>• Enterprise</li><li>• Datacenter</li></ul>	With or without SP1
Windows SBS 2008	<ul style="list-style-type: none"><li>• Standard</li><li>• Premium</li></ul>	SP1 or SP2
Windows Essential Business Server (EBS) 2008	<ul style="list-style-type: none"><li>• Standard</li><li>• Premium</li></ul>	SP1 or SP2

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

### Web Server

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

**TABLE 2. Web Server Detection Scenarios**


SCENARIO	RESULT	NOTES
Setup detects both IIS and Apache web servers	<ul style="list-style-type: none"> <li>• For a typical or minimal installation, Setup automatically uses IIS.</li> <li>• For a custom installation:               <ul style="list-style-type: none"> <li>• Setup automatically uses IIS if the Apache web server version is not supported (only versions 2.0.54, 2.0.55, and 2.0.6x are supported)</li> <li>• You can choose either of the two web servers if the Apache web server version is supported.</li> </ul> </li> </ul>	If the computer runs Windows Vista, 7, or 8, 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"> <li>• For a typical or minimal installation, Setup automatically uses IIS.</li> <li>• For a custom installation, you can choose either of the two web servers. If you choose Apache, Setup automatically installs Apache version 2.0.64.</li> </ul>	

SCENARIO	RESULT	NOTES
Setup detects only an Apache web server	<ul style="list-style-type: none"> <li>Setup uses Apache if the Apache version is 2.0.54, 2.0.55, or 2.0.6x.</li> <li>Installation cannot proceed if other Apache versions exist. Consider the following actions: <ul style="list-style-type: none"> <li>Uninstall Apache if no application is using it.</li> <li>Upgrade Apache to version 2.0.54, 2.0.55, or 2.0.6x if any of these versions is compatible with the applications that use Apache.</li> <li>Choose another computer on which to install the Security Server.</li> </ul> </li> </ul>	<p>The following platforms have IIS and are supported by the Security Server:</p> <ul style="list-style-type: none"> <li>Windows Server 2003</li> <li>Windows SBS 2003</li> <li>Windows Home Server</li> <li>Windows Server 2008</li> <li>Windows SBS 2008</li> <li>Windows EBS 2008</li> <li>Windows Server 2008 R2</li> <li>Windows SBS 2011 Standard or Essentials</li> <li>Windows Server 2012</li> </ul> <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 2.0.64.	

## Hardware

**TABLE 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"> <li>• 512MB</li> <li>• 1GB recommended</li> </ul>
	Smart scan (32-bit)	<ul style="list-style-type: none"> <li>• 1GB</li> <li>• 2GB recommended</li> </ul>
	Smart or conventional scan (64-bit)	<ul style="list-style-type: none"> <li>• 1GB</li> <li>• 2GB recommended</li> </ul>
Available disk space	N/A	<p>11GB total</p> <ul style="list-style-type: none"> <li>• 4.1GB for the Security Server program files</li> <li>• 6.9GB for Security Server operations</li> </ul> <hr/> <p> <b>Note</b></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
- XenServer 6.0
- XenClient 2.0
- VMware™ ESX™ 3.x, 4.x, 5.0
- VMware Server 1.0.3, 2.0.1



- VMware Workstation 6.0, 6.5, 7.0, 8.0
- Microsoft Hyper-V™ Server 2008 R2
- Microsoft Hyper-V™ 3.0 on Windows Server 2012
- Remote Desktop

## Web Console Requirements

**TABLE 4. Minimum Web Console Requirements**

REQUIREMENT	MINIMUM SPECIFICATIONS
Browser	Internet Explorer 6.0 SP2. Later versions highly recommended.
PDF reader	Adobe™ Acrobat™ Reader 6.0 or later
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 or SP3 (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 5. Minimum Processor Requirements**

PROCESSOR	OPERATING SYSTEM	CLOCK SPEED
<ul style="list-style-type: none"> <li>Intel™ Pentium™ x86 or compatible processor</li> <li>x64 processor supporting AMD64 and Intel EM64T technologies</li> </ul>	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, Server 2008 R2, Home Server 2011, SBS 2011, SBS 2011 Essentials, Server 2012, and Server 2012 Essentials	1.4 GHz

## Memory

**TABLE 6. Minimum Memory Requirements**

OPERATING SYSTEM	MEMORY EXCLUSIVELY FOR THE SECURITY AGENT
Windows SBS 2011 Standard/Essentials	<ul style="list-style-type: none"> <li>8GB</li> <li>10GB recommended</li> </ul>
Windows SBS/EBS 2008	<ul style="list-style-type: none"> <li>4GB</li> <li>8GB recommended</li> </ul>
Windows 7, 8, Server 2003, SBS 2003 or Server 2008	<ul style="list-style-type: none"> <li>1GB</li> <li>2GB recommended</li> </ul>
Windows 2008 R2, Home Server 2011, 2012, 2012 Essentials	<ul style="list-style-type: none"> <li>2GB</li> <li>8GB recommended</li> </ul>
Windows Vista, Windows Home Server	<ul style="list-style-type: none"> <li>512MB</li> <li>1GB recommended</li> </ul>

OPERATING SYSTEM	MEMORY EXCLUSIVELY FOR THE SECURITY AGENT
Windows XP	<ul style="list-style-type: none"> <li>• 256MB</li> <li>• 512MB recommended</li> </ul>

## Disk Space

**TABLE 7. Minimum Disk Space Requirements**

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

## 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	60MB
Agent installation package deployed to a 64-bit computer	75MB

## Virtualization

Agents support the same virtualization applications supported by the Security Server.  
See [Virtualization on page 6](#).

## 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.

**TABLE 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

## Web Server

**TABLE 9. Minimum Web Server Requirements**

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

## Hardware

**TABLE 10. Minimum Requirements**

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

## Mail Server

**TABLE 11. Minimum Mail Server Requirements**

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



### 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 6*.

## Trend Micro Security (for Mac) Client Requirements

Visit the following website for the complete list of requirements:

[http://docs.trendmicro.com/all/ent/tmsm/v1.6/en-us/tmsm\\_1.6\\_olhsrv/tmsmag/tmsmag-clientinstall/installation\\_requirements.htm](http://docs.trendmicro.com/all/ent/tmsm/v1.6/en-us/tmsm_1.6_olhsrv/tmsmag/tmsmag-clientinstall/installation_requirements.htm)

## 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 8.0 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 6.0 SP2 or later

3. If Apache is currently used as web server:
  - Setup automatically upgrades the Apache version to 2.0.64 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 8.0 REQUIREMENT
Disk space	450MB	<ul style="list-style-type: none"> <li>• Conventional scan: 700MB</li> <li>• Smart scan: 450MB</li> </ul> <hr/> <div style="display: flex; align-items: flex-start;">  <div> <p><b>Note</b></p> <p>Additional 350 MB is needed if assigning the Security Agent as Update Agent after the upgrade.</p> </div> </div>

### 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 8.0 REQUIREMENT
Disk space	1.6GB	2GB

- 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:

- If the Security Server runs Windows Home Server, apply Power Pack 2 or 3.
- 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 8.0 REQUIREMENT
Disk space	6GB	11GB

- If Apache is currently used as web server:
  - Setup automatically upgrades the Apache version to 2.0.64 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.
- 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 or 2.