

Symantec Enterprise
Security Manager™ 6.5.3
Agent, Manager, Console
Update for Windows
Server 2008

Symantec Enterprise Security Manager™ 6.5.3 Agent, Manager, Console Update for Windows Server 2008

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Symantec Enterprise Security Manager™ 6.5.3 Agent, Manager, Console Update for Windows Server 2008

The Symantec Enterprise Security Manager™ (ESM) agent, manager, console update for Windows Server 2008 Release Notes provides information on the following:

- How to install/uninstall the ESM 6.5.3 agent on Windows Server 2008.
- How to update the manager and console to support the agent on Windows Server 2008.

About the ESM 6.5.3 agent on Windows Server 2008

You can install the ESM 6.5.3 agent on the Windows Server 2008 by using the MSI installer.

You cannot remotely install the ESM 6.5.3 agent on the Windows Server 2008 by using the MSI installer.

Note: The ESM 6.5.3 agent on Windows Server 2008 is supported on Security Update (SU) 34.

Pre-installation tasks

Make sure that you do the following before you install the ESM 6.5.3 agent on Windows Server 2008 and register it with a manager:

- On the ESM 6.5.3 manager computers, run the RenameAgentFolder utility that enables ESM to use the new naming convention for the folders, which contain the policy run data of the agents.
See [Running the RenameAgentFolder utility](#).
You need not run the RenameAgentFolder utility on the ESM 6.5.3 SP1/SP2 managers.
- Update the ESM manager and console to support the agent on Windows Server 2008.
See [Updating the ESM manager and console for using the ESM 6.5.3 agent on Windows Server 2008](#).

System requirements

Table 3-1 lists the supported platforms for the Windows Server 2008 operating system and the agent/manager/console versions that they support:

Table 3-1 Agent/manager/console support on Windows Server 2008

Agent operating system	Supported agent versions on 6.0 Manager and Console	Supported agent versions on 6.5.3/6.5.3 SP1/6.5.3 SP2 Manager and Console *
Windows Server 2008 (x86)	N/A	6.5.3
Windows Server 2008 (Itanium®)	N/A	6.5.3
Windows Server 2008 (Opteron and EM64T)	N/A	6.5.3
Windows Server 2008 Core Installation (x86)	N/A	6.5.3
Windows Server 2008 Core Installation (Opteron and EM64T)	N/A	6.5.3

* You must update the ESM 6.5.3/6.5.3 SP1/6.5.3 SP2 manager and console by using the patches that are available with this release to enable them to support the 6.5.3 agent on Windows Server 2008.

Note: ESM supports both the Graphical User Interface (GUI) and Command-line Interface (Core) versions of Windows Server 2008. Currently, ESM does not support the Windows Server 2008 Core Installation on Itanium-based systems.

[Table 3-2](#) lists the amount of disk space that is required by the ESM 6.5.3 agent on Windows Server 2008:

Table 3-2 Disk space requirements for 6.5.3 agent on Windows Server 2008

Agent operating system	Disk space required (in MB)
Windows Server 2008 (x86)	56
Windows Server 2008 (Itanium®)	140
Windows Server 2008 (Opteron and EM64T)	79
Windows Server 2008 Core Installation (x86)	56
Windows Server 2008 Core Installation (Opteron and EM64T)	94

Running the RenameAgentFolder utility

The RenameAgentFolder utility for Windows and UNIX is available in the ESMWindowsmanager.zip and ESMUnixManager.zip files respectively.

To run the RenameAgentFolder utility on Windows

- 1 Stop the Enterprise Security Manager service.
- 2 Change to the <system_drive>\Program Files\Symantec\ESM\system\<manager_name>\reports directory.
- 3 Back up the reports folder.
- 4 Unzip ESMWindowsmanager.zip to a local directory.
- 5 Copy RenameAgentFolder.exe.
- 6 Change to the <system_drive>\Program Files\Symantec\ESM\bin folder and paste RenameAgentFolder.exe.
- 7 Execute RenameAgentFolder.exe.
- 8 Type the user name of the ESM account that has at least the read-only privileges on all the policies.
- 9 Type the password of the ESM account.

- 10 Type the manager's protocol.
- 11 Type the manager's port number.
- 12 Type **Y** if you want to exit the utility and take a backup.
- 13 Type **Y** if you want the utility to continue processing other agents, should any failure occur while processing an agent.
- 14 If the agents are successfully renamed, the following output is displayed:
Rename Agent folders completed successfully
Hit ENTER to continue...
- 15 Make sure that the Enterprise Security Manager service is running. If it is not running, start the service manually.

To run the RenameAgentFolder utility on UNIX

- 1 Stop the ESM daemons on the ESM manager.
- 2 Change to the <esm_install_directory>/esm/system/<manager_name>/reports directory.
- 3 Back up the reports folder.
- 4 Unzip ESMUnixManager.zip to a local directory.
- 5 At the command prompt, type the following to copy the RenameAgentFolder utility to the \esm\bin folder:
cp RenameAgentFolder \esm\bin\<platform>
- 6 Type the following to run the RenameAgentFolder utility:
./RenameAgentFolder
- 7 Type the user name of the ESM account that has at least the read-only privileges on all the policies.
- 8 Type the password of the ESM account.
- 9 Type the manager's protocol.
- 10 Type the manager's port number.
- 11 Type **Y** for if you want to exit the utility and take a backup.
- 12 Type **Y** if you want the utility to continue processing other agents, if any failure occurs while processing an agent.
- 13 If the agents are successfully renamed, the following output is displayed:
Rename Agent folders completed successfully
Hit ENTER to continue...
- 14 Make sure that the ESM daemons are running. If they are not running, start the daemons manually.

Updating the ESM manager and console for using the ESM 6.5.3 agent on Windows Server 2008

To make the ESM 6.5.3 agent on Windows Server 2008 function correctly, you need to update the ESM manager and console.

The updates for the ESM manager and console are available in the form of following zip files:

- ESMWindowsManager.zip
- ESMUnixManager.zip
- ESMConsole.zip

These updates are supported on ESM 6.5.3/6.5.3 SP1/6.5.3 SP2 versions.

You must apply these patches before you register the agent on Windows Server 2008 with the manager.

To update the manager on Windows

- 1 Unzip ESMWindowsManager.zip to a local directory.
- 2 Change to the <local_directory>\Symantec\ESMWinMgr directory, and copy esmmanager.exe.
- 3 Change to the <system_drive>\Program Files\Symantec\ESM\bin\<platform> directory.
- 4 Stop the Enterprise Security Manager service.
- 5 Rename the existing esmmanager.exe to old_esmmanager.exe.
- 6 Paste esmmanager.exe.
- 7 Restart the Enterprise Security Manager service.

To update the manager on UNIX

- 1 At the command prompt, type `./esmsetup`.
- 2 Type **4** to select Post-installation configuration options, and press **Enter**.
- 3 Type **2** to select Shutdown the ESM software, and press **Enter**.
- 4 Change to the directory where the ESM manager is installed.
- 5 Type the following commands to rename the existing files:
 - `mv esmcifd /esm/bin/<platform>/old_esmcifd`
 - `mv esmd /esm/bin/<platform>/old_esmd`
 - `mv esmnetd /esm/bin/<platform>/old_esmnetd`

- 6 Unzip ESMUnixManager.zip to a local directory on the manager.
- 7 Change to the directory where you unzipped the files, by typing the following command:
cd /<local_directory>/Symantec/ESMUnixMgr/<platform>
- 8 Type the following commands to copy the new files:
 - **cp esmcifd /esm/bin/<platform>/**
 - **cp esmd /esm/bin/<platform>/**
 - **cp esmnetd /esm/bin/<platform>/**
- 9 Type. **/esmsetup**.
- 10 Type **4** to select Post-installation configuration options, and press **Enter**.
- 11 Type **1** to select Start the ESM software, and press **Enter**.

To update the console on Windows

- 1 Close the ESM console.
- 2 Change to the <system_drive>\Program Files\Symantec\Symantec Enterprise Console directory.
- 3 Rename the existing esm.exe to old_esm.exe .
- 4 Unzip ESMConsole.zip to a local directory.
- 5 Change to the <local_directory>\Symantec\Symantec Enterprise Console directory, and copy esm.exe.
- 6 Change to the <system_drive>\Program Files\Symantec\Symantec Enterprise Console directory, and paste esm.exe.
- 7 Launch the ESM console.

Installing the Symantec ESM 6.5.3 agent on Windows Server 2008

You can do the following by using the MSI installer:

- Install the ESM 6.5.3 agent
- Silently install and register the ESM 6.5.3 agent
- Silently register the ESM 6.5.3 agent

The 32-bit MSI installer is located in the esm65en_US-win2008-32.zip file and the 64-bit MSI installer is located in the esm65en_US-win2008-64.zip file.

On Itanium-based systems, use the 32-bit MSI installer to install the ESM 6.5.3 agent for Windows Server 2008.

To install the Symantec ESM 6.5.3 agent by using the MSI installer

- 1 Log on as administrator to the computer on which you are installing the Symantec ESM agent.
- 2 Unzip esm65en_US-win2008-32.zip to run the 32-bit installer or unzip esm65en_US-win2008-64.zip to run the 64-bit installer.
- 3 Change to the \ESMMSIInstall or \ESMMSIInstallx64 folder.
- 4 Double-click setup.exe.
- 5 In the Welcome panel, click **Next**.
- 6 In the License Agreement panel, read the license agreement and click **I accept the terms in the license agreement**, and then click **Next**.
- 7 In the Destination Folder panel, do one of the following:
 - Click **Next** to install the files in the C:\Program Files\Symantec\ESM folder.
 - Click **Change**, select another folder, and then click **Next**.
Do not choose the root folder. There are security issues if you select a volume that does not use the NTFS file system.
- 8 In the Disable/Enable IPX/SPX panel, click Disable IPX/SPX if your network does not use the IPX/SPX communication protocol.
Symantec ESM always enables the TCP/IP protocol.
To enable the IPX/SPX protocol later, stop the Symantec ESM manager or agent services, rename the spx_port.org file to spx_port.dat in the \symantec\esm\config directory, and restart the Symantec ESM manager or agent service.
- 9 In the Register Agent panel, do one of the following:
 - If you do not want to register the agent to any manager, uncheck **Register agents to a manager**, and then click **Next**.
 - If you want to register the agent to a manager, leave Register agent to a manager checked, and then click **Next**.
- 10 In the Agent Registration panel, in the Manager information boxes, do the following for each Symantec ESM manager to which you want to register the agent:
 - Type the name of the Symantec ESM manager.
 - Type the name of a Symantec ESM user account with privileges on the manager to register the agent.

- Select the TCP/IP communication protocol for all environments except IPX/SPX homogeneous networks.
 - Type the port number for the Symantec ESM manager.
 - Click the left arrow to add the manager.
- 11 Click **Agent Name** to open the Agent name dialog box in which you can select the name that the Symantec ESM managers use to communicate with the agent.
 - 12 In the Agent Name box, select the agent name, and then click **OK**.
The default option lets the setup program select the agent name.
 - 13 In the LiveUpdate Registration panel, select a LiveUpdate option, and then click **Next**.
 - 14 In the Ready to install the Program panel, click **Install**.
 - 15 In the Install Wizard completed panel, click **Finish**.

To silently register and install a Symantec ESM agent by using the MSI installer

- 1 Log on as administrator to the computer on which you are installing the Symantec ESM agent.
- 2 Unzip esm65en_US-win2008-32.zip to run the 32-bit installer or unzip esm65en_US-win2008-64.zip to run the 64-bit installer.
- 3 Change to \ESMMSIInstall\examples or \ESMMSIInstallx64\examples directory.
- 4 Right-click AgentSilentInstallSample.bat, and choose **Edit**.
- 5 Specify the parameters in the setup.exe command as follows:

/s Run the installation in silent mode.

/v<COMMANDLINE> Specify the command line options for MSI Installer.

Specify the parameters of <COMMANDLINE> as follows:

/qn Run the installation without a GUI.

/l*v<LOGFILE> Use a verbose log and write the output to the specified log file.

Log on to www.microsoft.com for more log options.

INSTALLDIR=<DIRECTORY> Specify the directory where you need to install the agent.

ENABLEIPX	Specify if IPX needs to be enabled. Use 1 to enable IPX and 2 to diable IPX.
REGISTERAGENTNOW	Specify if the agent needs to be registered now. Use 1 to register now and 0 to register later.
REGAGENTLIST	<p>Specify the attributes of managers to whom the agent needs to be registered.</p> <p>Each manager specification includes the manager name, login name, login password, agent name type, agent name, port number for the manager to listen on, and protocol.</p> <p>To use encrypted passwords, do the following:</p> <ul style="list-style-type: none">■ Generate the encrypted password from the plain-text password using the EncryptPassword tool. The EncryptPassword Tool is located in the \MSIInstall\util directory.■ Enclose the encrypted password in angled brackets while specifying the password at the command line.■ Make sure that the password is URL Encoded. A URL Encoded password contains '%' at several places. Before you copy the encrypted password, place a '%' adjacent to every '%' that occurs in the password. <p>The agent name type can be 0 (default), 1 (long), 2 (short), or 3 (user-defined).</p> <p>The agent name is ignored during installation unless you specify the agent name type as 3.</p> <p>The protocol can be 0 (IPX) or 1 (TCP).</p>
LURADIOGROUP	Specify the type of LiveUpdate. Use 1 to disable LiveUpdate, 2 to enable LiveUpdate for all managers, and 3 to enable LiveUpdate for all selected managers.
LUALLOWEDMGRS	<p>Specify a list of the managers on which the LiveUpdate is allowed.</p> <p>LUALLOWEDMGRS is ignored unless you specify LURADIOGROUP as 3.</p>

REINSTALLMODE	<p>Specify if the files, shortcuts, and registry keys should be reinstalled if you install the agent over a preinstalled agent. Use ALL to enable this option.</p> <p>Assign 'vonus' REINSTALLMODE if you want to enable this mode. Skip REINSTALLMODE if you want to disable it.</p>
REINSTALL	<p>Specify if the files, shortcuts, and registry keys should be reinstalled if you install the agent over a preinstalled agent. Use ALL to enable this option.</p> <p>Skip REINSTALL if you do not want the files, shortcuts, and registry keys to be reinstalled.</p>
ALLUSERS	<p>Specify if agent should be installed for all the users. Use 2 to run the installation for all users.</p> <p>Skip ALLUSERS if you want to install the agent only for the current user.</p>

The following is a sample setup.exe command with all its parameters:

```
setup.exe /s /v"/qn /! *v \ "%TEMP%\SymantecESMAgentInstall.log\"  
INSTALLDIR="C:\Program Files\Symantec\ESM\" ENABLEIPX=1  
REGISTERAGENTNOW=1 REGAGENTLIST={{dev-imr50-  
2,esm,esm4now,0,default,5600,1}} LURADIOGROUP=3 LUALLOWEDMGRS=dev-imr50-2  
REINSTALLMODE=vonus REINSTALL=ALL ALLUSERS=2"
```

- 6 Save AgentSilentInstallSample.bat.
- 7 Copy AgentSilentInstallSample.bat.
- 8 Change to \ESMMSIInstall or \ESMMSIInstallx64 directory, and paste AgentSilentInstallSample.bat there.
- 9 Execute AgentSilentInstallSample.bat.

To silently register a Symantec ESM 6.5.3 agent by using the MSI installer

- 1 Log on as administrator to the computer on which you are installing the Symantec ESM agent.
- 2 Unzip esm65en_US-win2008-32.zip to run the 32-bit installer or unzip esm65en_US-win2008-64.zip to run the 64-bit installer.
- 3 Change to \ESMMSIInstall\examples or \ESMMSIInstallx64\examples directory.
- 4 Right-click AgentRegSilentInstallSample.bat, and choose **Edit**.

5 Specify the parameters in the setup.exe command as follows:

`/s` Run the installation in silent mode.

`/v<COMMANDLINE>` Specify the command line options for MSI Installer.

Specify the parameters of `<COMMANDLINE>` as follows:

`/qn` Run the installation without a GUI.

`/l*v<LOGFILE>` Use a verbose log and write the output to the specified log file.

Log on to www.microsoft.com for more log options.

`INSTALLDIR=<DIRECTORY>` Specify the directory where you need to install the agent

`SELECTION` Specify if you want to register the agent or for LiveUpdate. Use 1 to register the agent and 2 to register for LiveUpdate.

REGAGENTLIST

Specify the attributes of managers to whom the agent needs to be registered.

Each manager specification includes the manager name, login name, login password, agent name type, agent name, port number for the manager to listen on, and protocol.

To use encrypted passwords, do the following:

- Generate the encrypted password from the plain-text password using the EncryptPassword tool. The EncryptPassword Tool resides in the \MSIInstall\util directory.
- Enclose the encrypted password in angled brackets while specifying the password at the command line.
- Make sure that the password is URL Encoded. A URL Encoded password contains '%' at several places. Before you copy the encrypted password, place a '%' adjacent to every '%' that occurs in the password.

The agent name type can be 0 (default), 1 (long), 2 (short), or 3 (user-defined).

The agent name is ignored during installation unless you specify the agent name type as 3.

The protocol can be 0 (IPX) or 1 (TCP).

REGAGENTLIST is ignored if you specify the SELECTION as 2.

LURADIOGROUP

Specify the type of LiveUpdate; use 1 to disable LiveUpdate, 2 to enable LiveUpdate for all managers, and 3 to enable LiveUpdate for all selected managers.

LURADIOGROUP is ignored if you specify the SELECTION as 2.

LUALLOWEDMGRS Specify a list of the managers on which LiveUpdate is allowed.

LUALLOWEDMGRS is ignored unless you specify LURADIOGROUP as 3.

The following is a sample setup.exe command with all its parameters:

```
setup.exe /s /v"/qn /I*v "%TEMP%\SymantecESMIAgentRegInstall.log"  
INSTALLDIR="C:\Program Files\Symantec\ESM\" SELECTION=1  
REGAGENTLIST=[ { dev-imr50-2,esm,esm4now,0,default,5600,1 } ] LURADIOGROUP=3  
LUALLOWEDMGRS=dev-imr50-2"
```

- 6 Save AgentRegSilentInstallSample.bat.
- 7 Copy AgentRegSilentInstallSample.bat.
- 8 Change to \ESMMSIInstall or \ESMMSIInstallx64 directory, and paste AgentRegSilentInstallSample.bat there.
- 9 Execute AgentRegSilentInstallSample.bat.

Uninstalling the Symantec ESM 6.5.3 agent from Windows Server 2008 Core

On computers that have Windows Server 2008 Core Installation, you can uninstall the ESM agent by using the command-line options.

To uninstall the Symantec ESM agent from Windows Server 2008 Core

- 1 At the command prompt, change to the \ESMMSIInstall or \ESMMSIInstallx64 directory.
- 2 Type the following at the command prompt:
Uninstall.bat

Post-installation tasks

After you install the ESM 6.5.3 agent on Windows Server 2008, complete the following tasks:

- Open the port 5601 to run policies on the ESM 6.5.3 agent on Windows Server 2008 Core.
- Assign the “Log on as a batch job” privilege to the user account that needs to correct the messages obtained during a policy run.

To open port 5601

- ◆ At the command prompt, type the following:
Netsh firewall set portopening TCP 5601 Enable

To assign the Log on as a batch job privilege to a user account

- 1 Click **Start > Programs > Administrative Tools > Local Security Policy**.
- 2 Under Local Policies, click **User Rights Assignment**.
- 3 On the right panel, double-click **Log on as a batch job**.
- 4 On the Log on as a batch job Properties window, click **Add User or Group...**
- 5 In the **Enter the object names to select (examples):** box, type the user name of the account, and click **OK**.
- 6 Click **OK**.

Known issues

The following issue is known for the ESM 6.5.3 agent on Windows Server 2008:

- If you reregister the ESM 6.5.3 agent with the manager by using a different format of the agent's name, ESM might create duplicate records of the agent. For example, suppose an agent was registered to a manager by using the agent's FQDN. If you now reregister this agent with the manager by using the agent's NetBIOS name or IP address, then duplicate entries of the agent are created on the manager. Also, you can no longer use the original entry of the agent to run policies.

Files updated

The following files have been updated for Symantec Enterprise Security Manager™ 6.5.3 Agent, Manager, Console Update for Windows Server 2008:

ESM Console	esm.exe	6.5.0.0
ESM Manager (Windows)	esmmanager.exe	6.5.0.0
ESM Manager (UNIX)	esmCIFd	-
	esmnetd	-
	esmD	-