

# Symantec™ Protection Center Getting Started Guide

Version 2.0



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# Getting Started

This document includes the following topics:

- [Getting started with Protection Center](#)
- [Protection Center appliance types](#)
- [Protection Center requirements](#)
- [Creating and deploying a Protection Center appliance](#)

## Getting started with Protection Center

Before you use Protection Center, you must create and deploy the Protection Center appliance. You can deploy Protection Center as a virtual or a physical appliance.

- |        |                                                                                                                                                                                  |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Step 1 | Choose an appliance type.<br>See <a href="#">“Protection Center appliance types”</a> on page 3.                                                                                  |
| Step 2 | Make sure that your hardware and software meet the requirements for the type of appliance you want to create.<br>See <a href="#">“Protection Center requirements”</a> on page 4. |
| Step 3 | Create and deploy the Protection Center appliance.<br>See <a href="#">“Creating and deploying a Protection Center appliance”</a> on page 6.                                      |

## Protection Center appliance types

Protection Center can be deployed as a virtual or a physical appliance. The appliance type that you choose depends on the number of nodes in your network and your preferences.

Table 1-1

Protection Center appliance types

Appliance type	Description	Considerations
Virtual	Protection Center is deployed as a virtual appliance in VMware ESX.	A virtual appliance is a good option if all of the following are true: <ul style="list-style-type: none"> <li>■ You already use VMware ESX.</li> <li>■ You can make sufficient hardware resources available for the appliance in your VMware ESX environment.</li> </ul>
Physical	Protection Center is deployed on a server of your choice.	A physical appliance is a good option if any of the following is true: <ul style="list-style-type: none"> <li>■ You want a standalone appliance.</li> <li>■ You cannot make sufficient hardware resources available for the appliance in your VMware ESX environment.</li> </ul>

Protection Center requirements

Following are the hardware and the software requirements for Protection Center.

To support more than 150,000 endpoints, you must install and integrate IT Analytics with Protection Center. IT Analytics leverages Microsoft SQL Server clustering to provide scalability and high availability. For information on sizing and design considerations with IT Analytics, see the IT Analytics documentation.

For details on the Protection Center architecture and sizing for large environments, see *Symantec Protection Center Sizing and Scalability Guide*.

Table 1-2

Protection Center hardware requirements

Item	1 - 5000 endpoints (virtual or physical)	5000 - 50000 endpoints (virtual) 5000 - 150000 endpoints (physical)
Processor cores	2 physical cores	4 physical cores
Memory	8 GB	16 GB
Hard disk	100 GB SAS 10K RPM	500 GB NAS (virtual only), SAN (virtual only), or SAS 15K RPM in high-performance disk array
Storage device	Hardware RAID levels 1, 5, 6, 10, and 50 are supported. Software raids are not supported. In non-NAS and non-RAID environments, only a single hard disk is supported. External storage devices that are not on the same subnet as Protection Center must be able to resolve appropriate drive mappings.	

**Table 1-2** Protection Center hardware requirements (*continued*)

Item	1 - 5000 endpoints (virtual or physical)	5000 - 50000 endpoints (virtual) 5000 - 150000 endpoints (physical)
Processor speed	Minimum: 1.8 GHz Recommended: 2.53 GHz	
Network	Required: Static IPv4 IP address, subnet mask, default gateway, and DNS Optional: Static IPv6 IP address, prefix length, default gateway, and DNS	
Network card	A single 1 Gigabit Ethernet network card that supports Microsoft Windows Server Core 2008 R2 Web edition <b>Note:</b> Disable any secondary network card before creating the Protection Center appliance. If you create the appliance before disabling the secondary card, you must either disable the card and re-create the appliance, or contact Symantec Support.	
General hardware	Required: Dedicated resources that are not used by any other application Required (virtual appliance): 64-bit hardware that supports VMware ESX 4.0 or 4.1 and Microsoft Windows Server Core 2008 R2 Web edition (English version only) Required (physical appliance): 64-bit hardware that supports Microsoft Windows Server Core 2008 R2 Web edition (English version only)	

**Table 1-3** Protection Center software requirements

Requirement	Details
Protection Center Appliance Creator ISO	This ISO image steps you through the appliance creation process. The ISO image file is available from the Protection Center page on the Symantec Web site. The page is located at the following URL: <a href="http://go.symantec.com/protection-center">http://go.symantec.com/protection-center</a>
Microsoft Windows Server Core 2008 R2 Web edition English DVD or ISO file	Protection Center uses this 64-bit version of Microsoft Windows as the underlying operating system. For a virtual appliance, transfer the ISO file to a datastore that can be mounted by the virtual machine. For a physical appliance, have the DVD available during the appliance creation process. <b>Note:</b> The Protection Center appliance creation process does not support the SP1 version of Microsoft Windows Server Core 2008 R2 Web edition. However, you will be able to install this update and other updates through Protection Center as Symantec makes them available.

Table 1-3 Protection Center software requirements (continued)

Requirement	Details
Windows activation key or Windows licensing server	Protection Center requires either an activation key for your copy of Windows, or the location of the Windows licensing server. If you do not want to provide the activation information during the appliance creation process, you can provide it later through the Protection Center control panel on the appliance.
VMware ESX 4.0 and 4.1 and environment credentials	<p>(Virtual appliance only) VMware ESX must be installed and running before you start the appliance creation process.</p> <p>You will also need a user account that has rights to create a virtual machine in your VMware ESX environment.</p> <p>If you use VMware vMotion, configure vMotion so that the subnet is preserved when the Protection Center appliance is moved to a new host. When the appliance moves, the new host is on the same subnet as the old host. If the Protection Center appliance is moved to a host on a different subnet, the appliance network settings no longer work.</p>
VMware vSphere client 4.0 (or later)	(Virtual appliance only) vSphere is used on the client to access vCenter and must be installed and running before you start the appliance creation process.

# Creating and deploying a Protection Center appliance

Protection Center can be deployed as a virtual or a physical appliance. To create a Protection Center virtual appliance, you create a virtual machine and have it mount the Protection Center Appliance Creator ISO. To create a Protection Center physical appliance, you boot your server with the Protection Center Appliance Creator DVD. When you create and deploy a virtual or a physical appliance, the appliance creation process installs Windows and other required software.

**Warning:** If you are re-purposing a server or virtual machine for Protection Center, be aware that all of the data on the associated hard drive is deleted during the appliance creation process. Therefore, be sure to back up any data that you do not want to lose.

## To create and deploy a Protection Center virtual appliance

- 1 Create a Microsoft Windows Server Core 2008 R2 Web edition English ISO image from your Windows DVD if you have not already done so.
- 2 Copy the Protection Center Appliance Creator ISO and the Windows ISO image files to a datastore location that is accessible by the VMware ESX server. You can copy the files using Datastore Browser in vSphere.
- 3 From an endpoint that has the vSphere client installed, log in to your vCenter.

- 4 Right-click the host on which you want to create the Protection Center appliance, and select **New Virtual Machine**.
- 5 In the **Create New Virtual Machine** wizard, do the following to create your virtual machine:
  - Select a **Typical** configuration.
  - Name and specify a location for the virtual machine.
  - Select a datastore for storing your virtual machine files.
  - Select **Microsoft Windows** as the guest operating system and **Microsoft Windows Server 2008 R2 (64-bit)** as the version.
  - Specify the disk size based on information in the appliance requirements. Do not select the **Allocate and commit space on demand (Thin Provisioning)** option.
  - Review the settings you have chosen and click **Continue**.
- 6 In the **Virtual Machine Properties** dialog box, specify the following information and then click **Finish**:
  - **CPUs** based on the appliance requirements.
  - **Memory** based on the appliance requirements.
  - **New CD/DVD** information.  
 In the **Datastore ISO File** field, specify the name and the location of the Protection Center Appliance Creator ISO file that you previously copied to the datastore.  
 Click **Connect at Power On**.
- 7 In the vSphere client program, right-click the new virtual machine and then click **Open Console**.
- 8 Turn on the virtual machine.  
 The Protection Center Appliance Creator ISO boots the virtual machine and starts the Protection Center Appliance Creator program.
- 9 Follow the instructions in Protection Center Appliance Creator.  
 During the appliance creation process, you are prompted to insert the Microsoft Windows Server Core 2008 R2 Web edition English DVD.  
 The virtual machine restarts automatically when Protection Center Appliance Creator finishes.

- 10 If you want to access Protection Center using the host name, add a record for the Protection Center appliance to your DNS.

- 11 On an endpoint, go to the following location:

[https://protection\\_center\\_appliance\\_name/Symantec](https://protection_center_appliance_name/Symantec)

Log in using the predefined Protection Center account (SPC\_Admin) and the password you created during the appliance creation process. Protection Center uses a self-signed security certificate. Therefore, until you add the certificate to a trusted certificate store, a certificate error message is displayed when you access Protection Center.

You are now ready to perform the initial setup. For information on the initial setup tasks, see *Symantec Protection Center User Guide* or *Symantec Protection Center Help*.

#### To create and deploy a Protection Center physical appliance

- 1 Burn the Protection Center Appliance Creator ISO image to a DVD.
- 2 Insert the Protection Center Appliance Creator DVD into the optical drive of the server that you want to use for the appliance.
- 3 Boot the server from the DVD.

The Protection Center Appliance Creator program on the DVD runs automatically.

- 4 Follow the instructions in Protection Center Appliance Creator.

During the appliance creation process, you are prompted to insert the Microsoft Windows Server Core 2008 R2 Web edition English DVD.

The server restarts automatically when Protection Center Appliance Creator finishes.

- 5 If you want to access Protection Center using the host name, add a record for the Protection Center appliance to your DNS.

- 6 On an endpoint with a supported Web browser, go to the following location:

[https://protection\\_center\\_appliance\\_name/Symantec](https://protection_center_appliance_name/Symantec)

Log in using the predefined Protection Center account (SPC\_Admin) and the password you created during the appliance creation process. Protection Center uses a self-signed security certificate. Therefore, until you add the certificate to a trusted certificate store, a certificate error message is displayed when you access Protection Center.

You are now ready to perform the initial setup. For information on the initial setup tasks, see *Symantec Protection Center User Guide* or *Symantec Protection Center Help*.