

ViewPoint Virtual Appliance 6.0 Getting Started Guide

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PROTECTION AT THE SPEED OF BUSINESS™

SonicWALL ViewPoint Virtual Appliance 6.0

Getting Started Guide

This *Getting Started Guide* contains installation procedures and configuration guidelines for deploying the SonicWALL ViewPoint Virtual Appliance on a server on your network. The SonicWALL ViewPoint Virtual Appliance is a virtual machine that runs SonicWALL ViewPoint, which is a Web-based application that can generate dynamic real-time and historical reports for a complete view of all activity through SonicWALL network security appliances.

The SonicWALL ViewPoint Virtual Appliance provides the following benefits:

- Cost savings:
 - Multiple virtual machines can run on a single server, reducing hardware costs, power consumption, and maintenance costs.
 - Microsoft Windows OS is not required, eliminating the cost of the Windows licensing.
- Operational ease:
 - In a virtual environment, it is easy to commission new servers or de-commission old ones, or to bring servers up or down.
 - Installation is accomplished by importing a file into the virtual environment, with no need to run an installer.
- Easy reallocation of resources:
 - In a virtual environment, you can easily relocate virtual machines to a datastore with more free hard disk space.
 - On a physical server, you must open up the hardware to install more resources.
- Security:
 - SonicWALL ViewPoint Virtual Appliance provides the same hardened operating system that comes with the SonicWALL UMA EM5000 appliance.



Note: For SonicWALL ViewPoint documentation, refer to the **SonicWALL ViewPoint 6.0 Administrator's Guide**. This and other documentation are available at: <http://www.sonicwall.com/us/Support.html>

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1

Before You Begin

This section contains the following subsections:

- “Supported Platforms” on page 3
- “Hardware Resource Requirements” on page 3
- “Files for Installation” on page 4

Supported Platforms

The elements of basic VMware structure must be implemented prior to deploying the SonicWALL ViewPoint Virtual Appliance. SonicWALL ViewPoint Virtual Appliance runs on the following VMware platforms:

- ESXi 4.0 Update 1 (Build 208167 and newer)
- ESX 4.0 Update 1 (Build 208167 and newer)

You can use the following client applications to import the image and configure the virtual settings:

- **VMware vSphere** – Provides infrastructure and application services in a graphical user interface for ESX/ESXi, included with ESX/ESXi. Provides Thick provisioning when deploying SonicWALL ViewPoint Virtual Appliance.
- **VMware vCenter Converter Standalone** – Free software that allows you to specify Thin or Thick (Flat) provisioning for your SonicWALL ViewPoint Virtual Appliance deployment. Available for download at: <https://www.vmware.com/products/converter/>
- **VMware vCenter Server** – Centrally manages multiple VMware ESX/ESXi environments. Provides Thick provisioning when deploying SonicWALL ViewPoint Virtual Appliance.

Hardware Resource Requirements

The following hardware resources are required for SonicWALL ViewPoint Virtual Appliance:

- **RAM – 3168 MB**
This is the maximum amount of RAM supported by the SonicWALL ViewPoint Virtual Appliance operating system, SonicLinux (VM), which is a 32-bit OS. Additional RAM provided to SonicWALL ViewPoint Virtual Appliance in the virtual environment will not be utilized. A smaller amount of RAM can be configured, but is not recommended.
- **CPU – 2**
This is the default number of CPUs provisioned in the SonicWALL ViewPoint Virtual Appliance. The minimum required number of CPUs is 1, and the maximum that the SonicWALL ViewPoint Virtual Appliance can use is 4.

- Hard disk space:
 - For the 250 GB image – Up to 250 GB on any datastore
 - For the 950 GB image – Up to 950 GB on a datastore with either a 4 MB or 8 MB block size

When using Thick, or Flat, provisioning as the storage type option, the entire amount of disk space is allocated when you import and deploy the SonicWALL ViewPoint Virtual Appliance file. When using Thin provisioning, the initial size is approximately 20 GB and will grow dynamically as more disk space is needed by the SonicWALL ViewPoint application, until the maximum size is reached. Once allocated, the size will not shrink if the application space requirements are subsequently reduced.

Additional disk space provided to SonicWALL ViewPoint Virtual Appliance in the virtual environment, beyond the respective limits of 250 GB or 950 GB, will not be utilized.

ESX/ESXi can be configured with datastores of varying block sizes. The 4 or 8 MB requirement for the 950 GB deployment is because the block size determines the largest virtual disk that can be deployed, as shown in the table:

Table 1: Block Size Effect on Virtual Disk Size

Block Size of Datastore	Largest Virtual Disk
1 MB	256 GB
2 MB	512 GB
4 MB	1 TB
8 MB	2 TB

Files for Installation

You will use different files for a fresh installation than when updating to a newer version.

Fresh Installation Files

SonicWALL ViewPoint Virtual Appliance is available for download from MySonicWALL. For a fresh install, two Open Virtual Appliance (OVA) files with the following file name format are available for import and deployment to your ESX/ESXi server:

- sw_gmsvp_vm_eng_6.0.xxxx.yyyy.250GB.ova
- sw_gmsvp_vm_eng_6.0.xxxx.yyyy.950GB.ova

The 250 or 950 in these file names indicates the maximum size of the deployed virtual appliance in gigabytes. The xxxx.yyyy represents the actual build number.



Note: *Do not rename the OVA files.*

Updater File

For a software update, a file with the following file name format is available from MySonicWALL:

- `sw_gmsvp_vm_eng_6.0.xxxx.yyyy.gmsvp-updater.sh`



Note: *Do not rename the updater file.*

The `sw_gmsvp_vm_eng_6.0.xxxx.yyyy.gmsvp-updater.sh` file is uploaded to the System > Settings page on the appliance management interface of your existing SonicWALL ViewPoint deployment.

Patch and Hot Fix Files

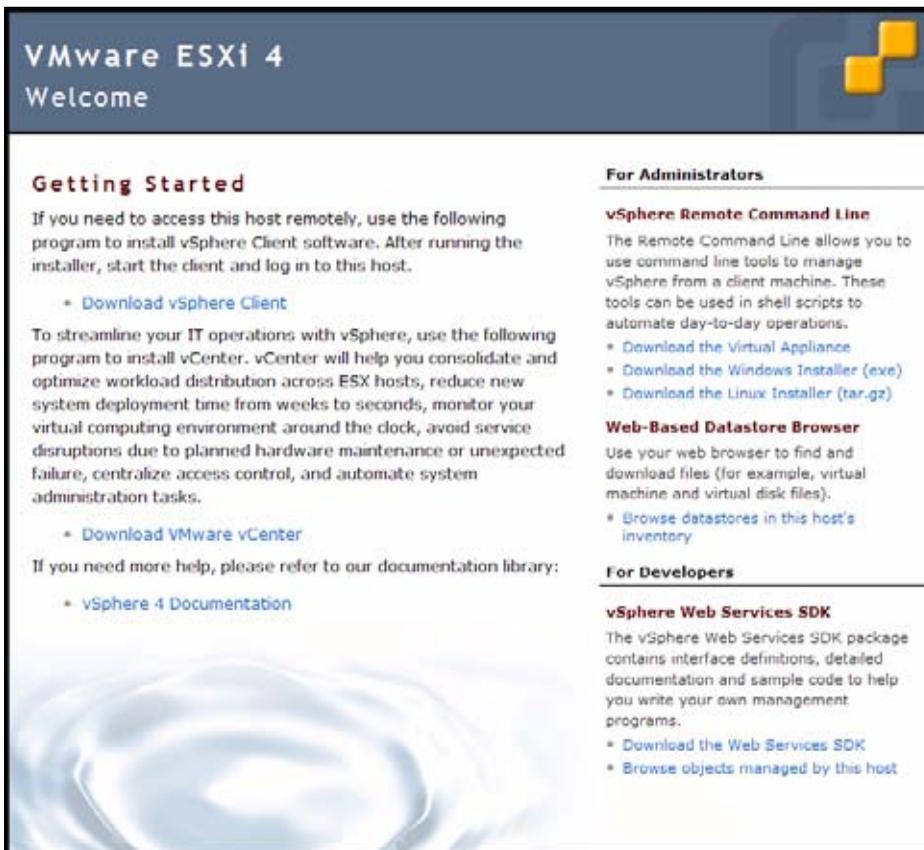
All service packs for patches and hot fixes are identical for SonicWALL ViewPoint deployments on Windows and SonicWALL ViewPoint Virtual Appliance.

2 Installing SonicWALL ViewPoint Virtual Appliance

SonicWALL ViewPoint Virtual Appliance is installed by deploying an OVA file to your ESX/ESXi server. Each OVA file contains all software components related to SonicWALL ViewPoint including the MySQL database, executable binary files for all ViewPoint services, and other necessary files.

You can deploy either of the OVA files as needed for your SonicWALL ViewPoint environment.

You can deploy an OVA file by using the vSphere client, which comes with ESX/ESXi, or by using the free VMware vCenter Converter Standalone tool. For vSphere, point a browser to your ESX/ESXi server and click on **Download vSphere Client**.



VMware ESXi 4
Welcome

Getting Started

If you need to access this host remotely, use the following program to install vSphere Client software. After running the installer, start the client and log in to this host.

- [Download vSphere Client](#)

To streamline your IT operations with vSphere, use the following program to install vCenter. vCenter will help you consolidate and optimize workload distribution across ESX hosts, reduce new system deployment time from weeks to seconds, monitor your virtual computing environment around the clock, avoid service disruptions due to planned hardware maintenance or unexpected failure, centralize access control, and automate system administration tasks.

- [Download VMware vCenter](#)

If you need more help, please refer to our documentation library:

- [vSphere 4 Documentation](#)

For Administrators

vSphere Remote Command Line

The Remote Command Line allows you to use command line tools to manage vSphere from a client machine. These tools can be used in shell scripts to automate day-to-day operations.

- [Download the Virtual Appliance](#)
- [Download the Windows Installer \(exe\)](#)
- [Download the Linux Installer \(tar.gz\)](#)

Web-Based Datastore Browser

Use your web browser to find and download files (for example, virtual machine and virtual disk files).

- [Browse datastores in this host's inventory](#)

For Developers

vSphere Web Services SDK

The vSphere Web Services SDK package contains interface definitions, detailed documentation and sample code to help you write your own management programs.

- [Download the Web Services SDK](#)
- [Browse objects managed by this host](#)

To use VMware vCenter Converter Standalone, you can download it at:
<https://www.vmware.com/products/converter/>

See the following sections:

- [“About Thick and Thin Provisioning” on page 7](#)
- [“Installing with vSphere” on page 7](#)
- [“Installing with vCenter Converter Standalone” on page 14](#)

About Thick and Thin Provisioning

You can specify Thick or Thin provisioning when an OVA file is deployed on your ESX/ESXi server. Thick, or Flat, provisioning pre-allocates all the hard disk space (250GB or 950GB) for the virtual appliance.

Thin provisioning allows the disk space to be allocated dynamically. Your ESX/ESXi operating system will grow the disk space of the appliance based on usage needs. For example, as the syslog files get bigger, ESX/ESXi allocates more disk space. Once allocated, the disk space does not shrink even if you delete all the syslog files. But, that space will be re-used for new syslogs before more space is allocated.

You can specify Thin provisioning when deploying an OVA file with VMware vCenter Converter Standalone, but not when using vSphere.



Note: *There is some impact on performance with Thin provisioning whenever more disk space is being allocated. Thin provisioning is not recommended for best performance.*

Installing with vSphere

To perform a fresh install of the SonicWALL ViewPoint Virtual Appliance using the vSphere client, perform the following steps:

1. Download the following OVA files from MySonicWALL to a system that is accessible to your ESX/ESXi server.
 - `sw_gmsvp_vm_eng_6.0.xxxx.yyyy.250GB.ova`
 - `sw_gmsvp_vm_eng_6.0.xxxx.yyyy.950GB.ova`



Note: *Do not rename the OVA files.*

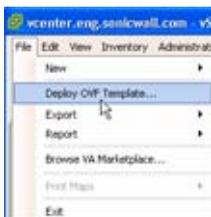
2. Launch vSphere and use it to log on to your ESX/ESXi server.



3. In the Home screen, navigate to a view that shows the virtual machines running on your ESX/ESXi server.

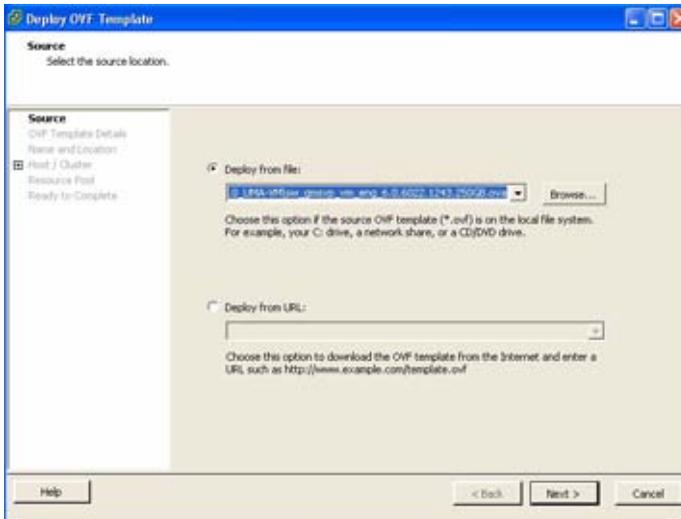


4. To begin the import process, click **File** and select **Deploy OVF Template**.

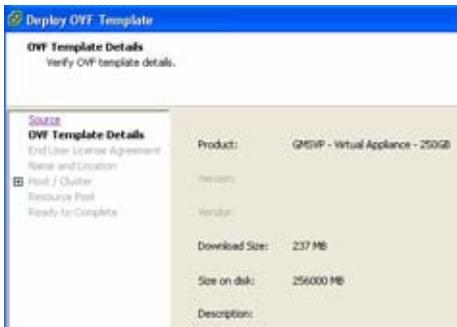


5. In the Source screen of the Deploy OVF Template window, select either **Deploy from file** or **Deploy from URL**. For **Deploy from file**, click **Browse** and then select

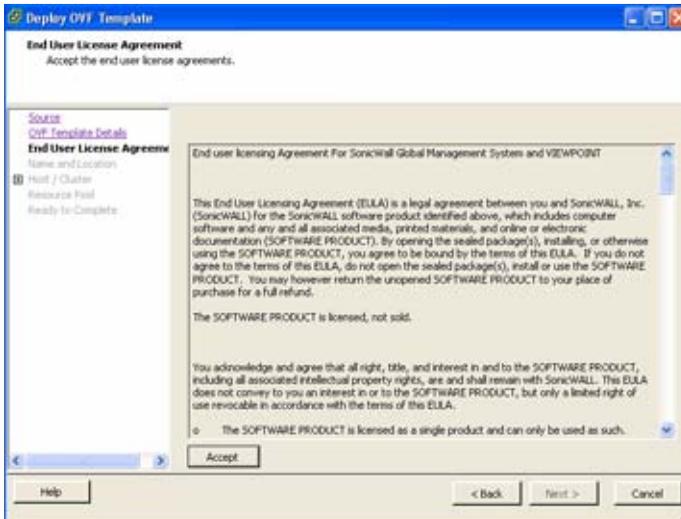
the OVA file to import. For **Deploy from URL**, type in the URL of the OVA file. Click **Next**.



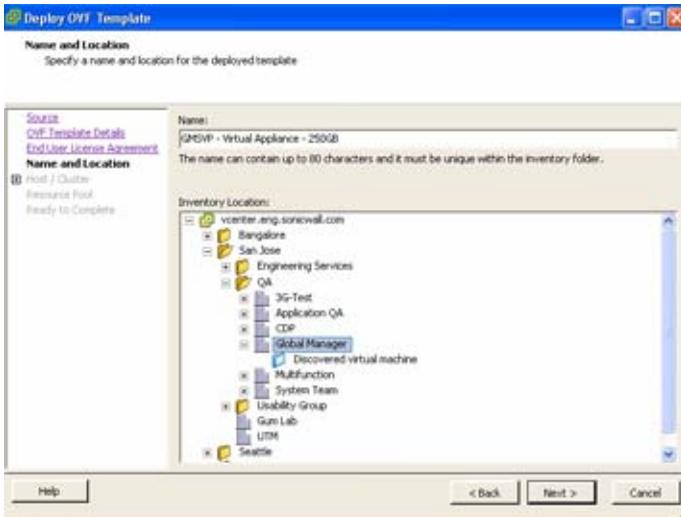
6. In the OVF Template Details screen, verify the information about the selected file. To make a change, click the **Source** link to return to the Source screen and select a different file. To continue, click **Next**.



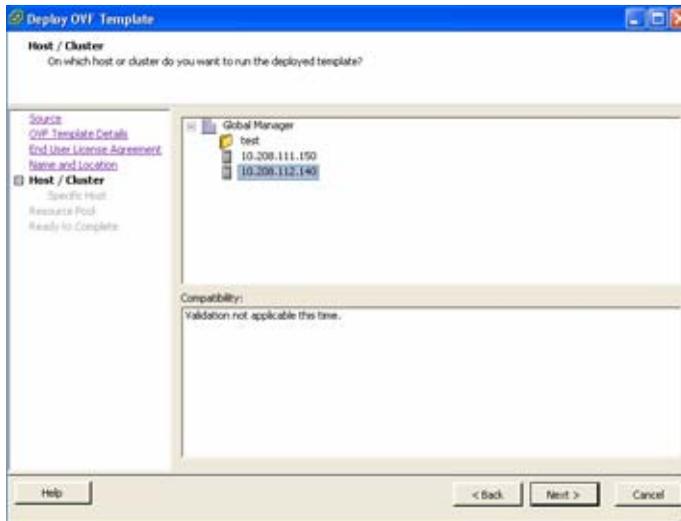
7. In the End User License Agreement screen, read the agreement, click **Accept**, and then click **Next**.



8. In the Name and Location screen, enter a descriptive name for the virtual appliance into the **Name** field, and select the desired location in the **Inventory Location** field. You may wish to incorporate the disk size as part of the name, as in "VP_VM_250GB." Click **Next**.



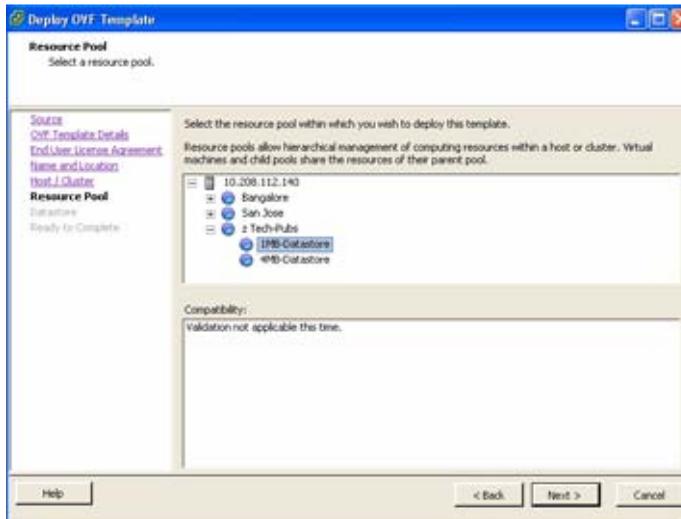
9. In the Host / Cluster screen, click to select the host or cluster on which to run the SonicWALL ViewPoint Virtual Appliance and then click **Next**.



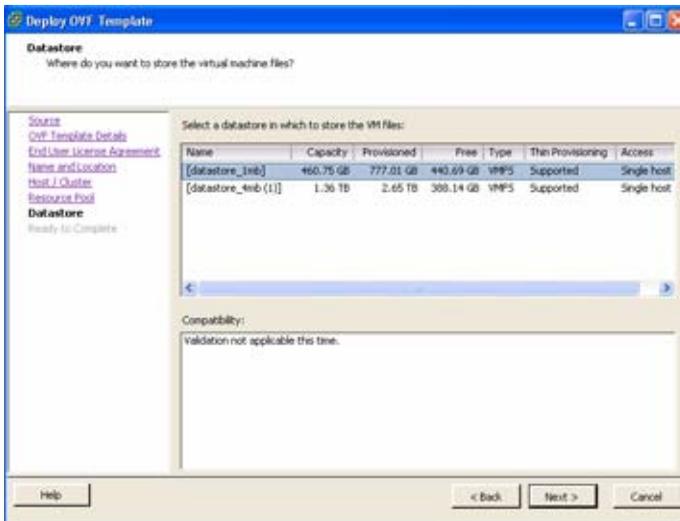
10. In the Resource Pool screen, select the resource pool within which to deploy this SonicWALL ViewPoint Virtual Appliance and then click **Next**.



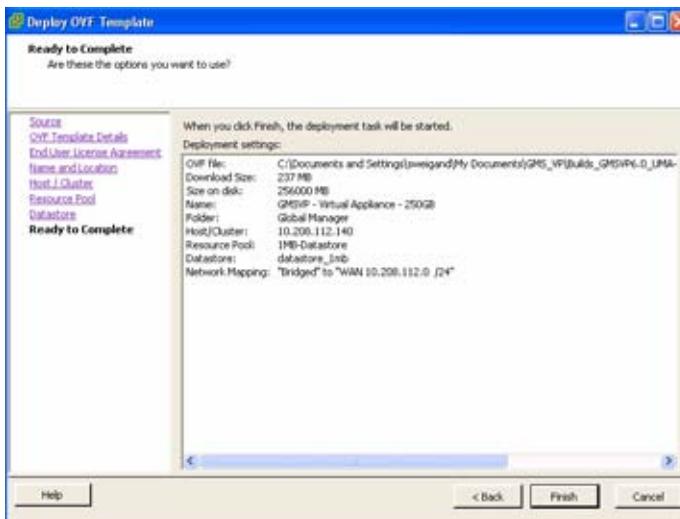
Note: When deploying a 950 GB file, be sure to select a resource pool with a block size of either 4 or 8 MB.



11. In the Datastore screen, select the datastore on which to store the files for the SonicWALL ViewPoint Virtual Appliance and then click **Next**.



12. In the Ready to Complete screen, review and verify the displayed information. To begin the deployment with these settings, click **Finish**. Otherwise, click **Back** to navigate back through the screens to make a change.



The Deploying dialog box shows the progress.



13. In the Deployment Completed Successfully dialog box, click **Close**.



The name of the new SonicWALL ViewPoint Virtual Appliance appears in the left pane of the vSphere window.



14. To power on the virtual appliance and perform required host configuration, see [“Performing Basic Tasks and Host Configuration”](#) on page 20.
15. To register and license SonicWALL ViewPoint, see [“Registering and Licensing SonicWALL ViewPoint”](#) on page 28.

Installing with vCenter Converter Standalone

The VMware vCenter Converter Standalone client allows you to specify Thin or Thick (Flat) provisioning when importing the SonicWALL ViewPoint Virtual Appliance OVA files. You can download the client at:

<https://www.vmware.com/products/converter/>

To perform a fresh install of the SonicWALL ViewPoint Virtual Appliance using the vCenter Converter Standalone client, perform the following steps:

1. Download the following OVA files from MySonicWALL to a system that is accessible to your ESX/ESXi server.
 - sw_gmsvp_vm_eng_6.0.xxxx.yyyy.250GB.ova
 - sw_gmsvp_vm_eng_6.0.xxxx.yyyy.950GB.ova

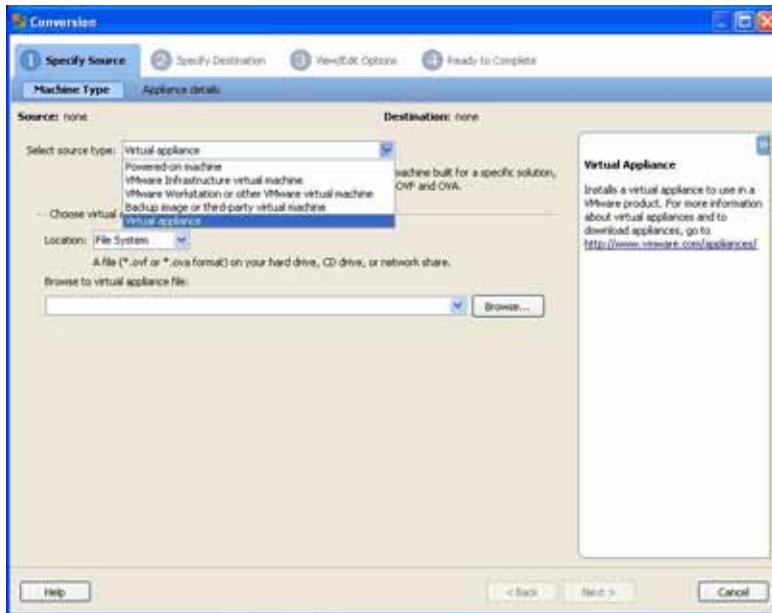


Note: Do not rename the OVA files.

2. Launch vCenter Converter Standalone.
3. In the Welcome screen, click the **Convert Machine** button at the top left.



- In the Specify Source screen on the Machine Type tab, select **Virtual appliance** in the **Select source type** drop-down list, and select **File System** in the **Location** drop-down list.

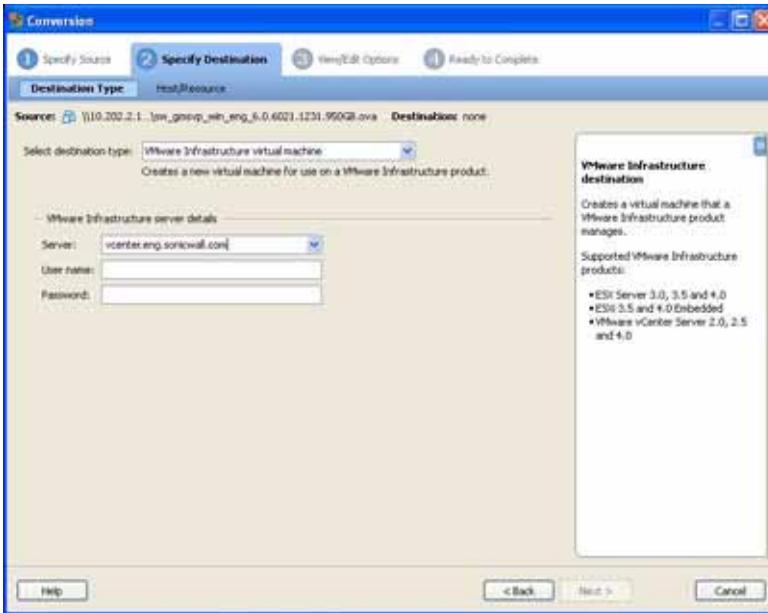


Note: To convert an existing, powered off, virtual appliance from Thick to Thin provisioning using vCenter Converter Standalone, you can select **VMware Infrastructure virtual machine** for the source type and specify the location of your ESX/ESXi server. Continue the procedure and select **Thin** in the **Data to copy** option. After completion, delete the old Thick-provisioned virtual machine.

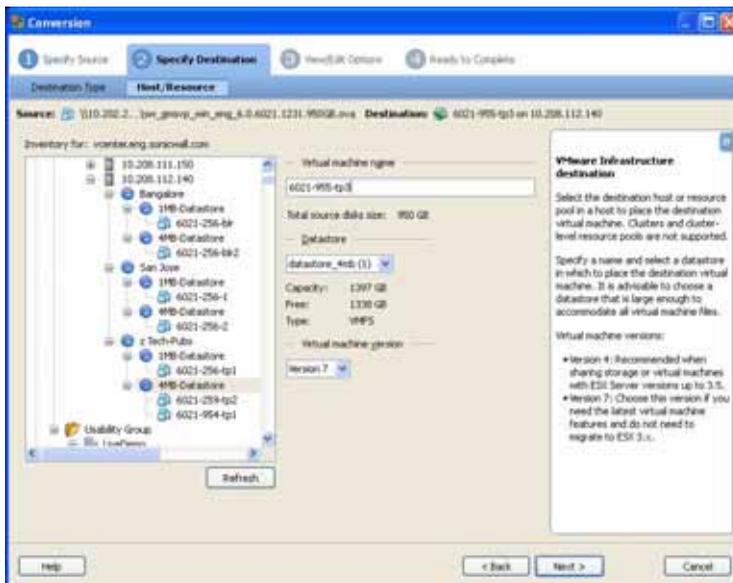
Alternatively, you can use the vCenter Server **Migrate** option to make the conversion or to move the image to another datastore with more resources.

- Click **Browse**, and select the OVA file to import.
- To view the virtual appliance file size, disk ID, capacity (250 or 950 GB), and disk format, click the **Appliance Details** tab and then click the **Advanced** button.
- Click **Next**. The EULA tab is displayed with the license agreement screen.
- Read the agreement, select the **I accept the terms in the license agreement** radio button, and then click **Next**.

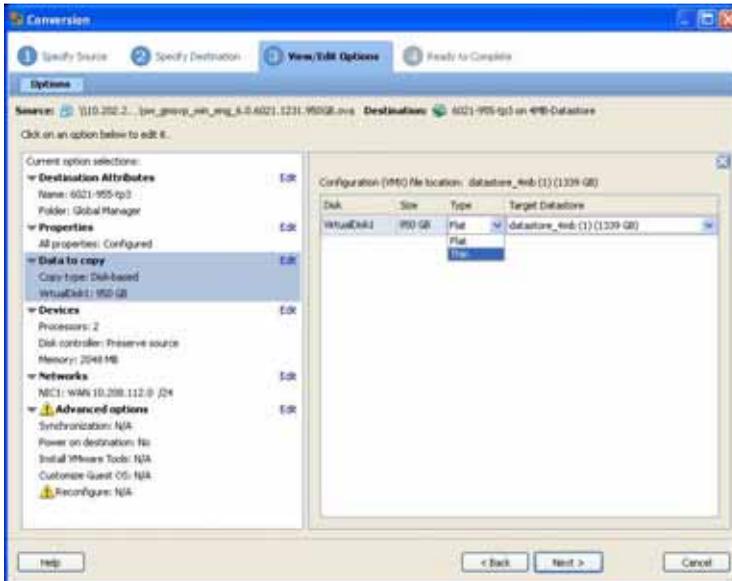
- In the Specify Destination screen on the Destination Type tab, select **VMware Infrastructure virtual machine** from the **Select destination type** drop-down list.



- Select the ESX/ESXi server name from the **Server** drop-down list and enter the server credentials in the **User name** and **Password** fields. Click **Next**.
- On the Host/Resource tab, click the destination host or resource pool to highlight it in the **Inventory** for pane.

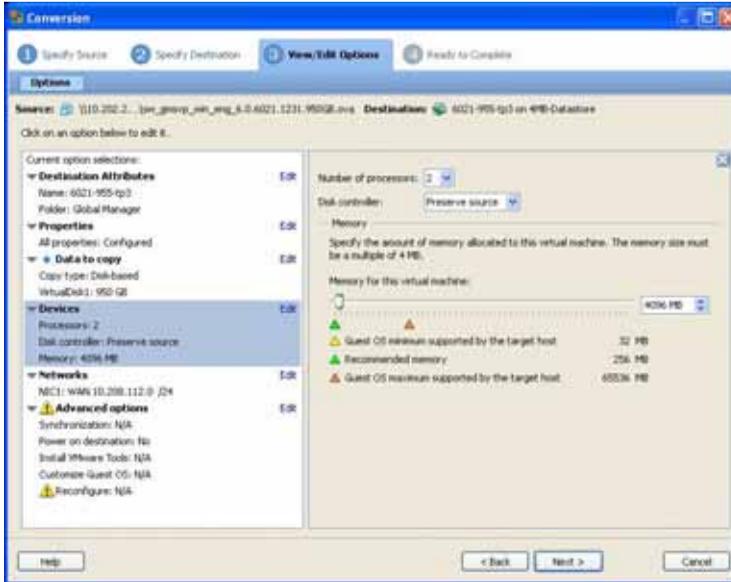


12. Type a descriptive name for the virtual appliance in the **Virtual machine name** field.
13. Select the appropriate datastore from the **Datastore** drop-down list. For the 950 GB virtual appliance, be sure to select a datastore with either a 4 MB or 8 MB block size.
14. Select **Version 7** from the **Virtual machine version** drop-down list, and then click **Next**.
15. In the View/Edit Options screen, click **Edit** for the **Data to copy** option.

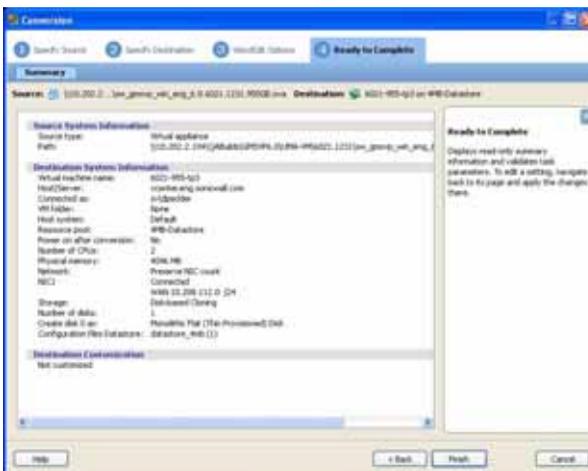


16. For Thin provisioning, select **Thin** from the **Type** drop-down list in the right pane.

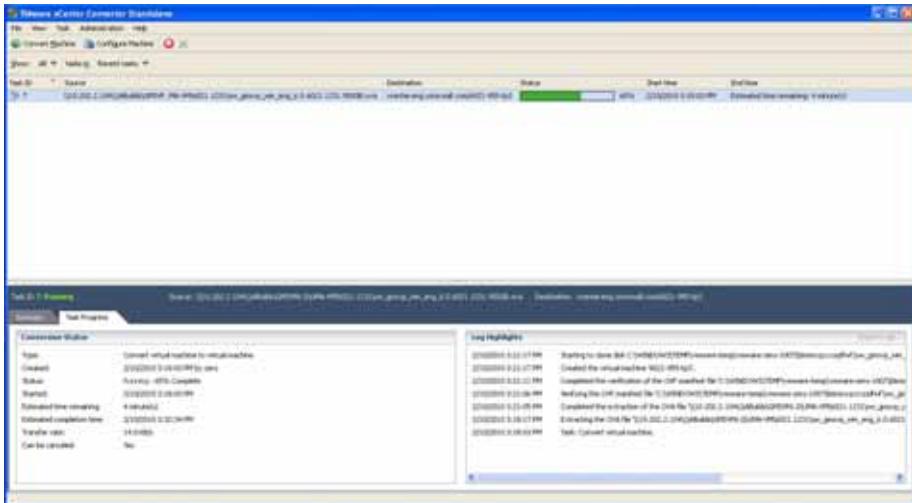
17. Click **Edit** for the **Devices** option.



18. To change the number of CPUs for the virtual appliance, select the desired number from the **Number of processors** drop-down list. The default is **2**. The maximum that the SonicWALL ViewPoint Virtual Appliance can use is **4**.
19. To change the amount of RAM available for the virtual appliance, click the up or down arrow buttons in the **Memory for this virtual machine** field. The maximum value that the SonicWALL ViewPoint Virtual Appliance can use is **3168 MB**.
20. When finished editing options, click **Next**.
21. In the Ready to Complete screen, verify the displayed settings. To make a change, click **Back** to navigate to the desired screen. To import with the current settings, click **Finish**.



22. The tool validates the settings and begins the import. The display returns to the main window, and the progress is displayed in the **Status** bar. The status changes to **Completed** when the import is finished.



23. To power on the virtual appliance and perform required host configuration, see [“Performing Basic Tasks and Host Configuration”](#) on page 20.
24. To register and license SonicWALL ViewPoint, see [“Registering and Licensing SonicWALL ViewPoint”](#) on page 28.

Performing Basic Tasks and Host Configuration

This section describes how to power on and configure basic settings on the SonicWALL ViewPoint Virtual Appliance, including virtual hardware settings and networking settings.

The following tasks are required to configure your SonicWALL ViewPoint Virtual Appliance before registering it:

1. Power on the virtual appliance.
See [“Powering the Virtual Appliance On or Off” on page 22.](#)
2. Open the virtual appliance console and configure the following host settings:
 - IP address
 - Default routeSee [“Configuring Host Settings on the Console” on page 22.](#)
3. Log in to the appliance system interface and configure the following:
 - Host name
 - Network settings
 - Time settingsSee [“Configuring Host Settings on the Appliance Web Interface” on page 24.](#)

The following sections are not part of the task flow, but describe how to view and edit settings on the virtual appliance:

- [“Viewing Settings Summary” on page 20](#)
- [“Editing Virtual Machine Settings” on page 21](#)

Viewing Settings Summary

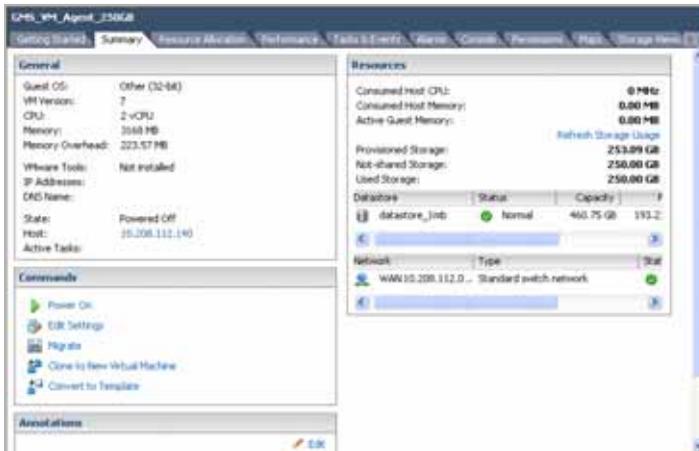
When the SonicWALL ViewPoint Virtual Appliance is selected in the left pane, the **Summary** tab of the vSphere interface displays pertinent information such as memory, powered on/off state, hard disk storage usage, network subnet settings, and other settings.



Note: *This page might incorrectly indicate that VMware Tools are not installed.*

A short list of commands is also provided on this page, including Power On and Edit Settings.

When using vSphere with vCenter Server, the Migrate and Clone commands are also available.

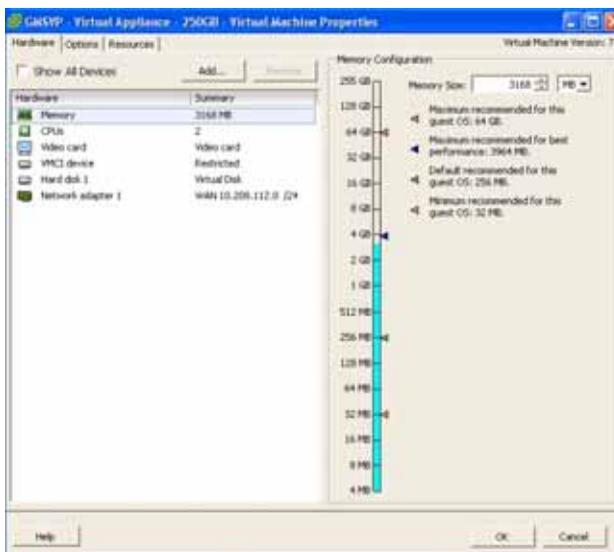


Editing Virtual Machine Settings

You can use the vSphere client to edit settings for the SonicWALL ViewPoint Virtual Appliance, including memory, CPUs, descriptive name, datastore, and resource allocation.

To edit virtual machine settings:

1. In the vSphere client, right-click the SonicWALL ViewPoint Virtual Appliance in the left navigation pane and select **Edit Settings** from the right-click menu.
2. In the Virtual Machine Properties window, the **Hardware** tab displays the settings for memory, CPU, hard disk, and other hardware. Click on the row in the table to access the editable settings in the right pane.



3. Click the **Options** tab to view and edit the SonicWALL ViewPoint Virtual Appliance name, location (datastore), guest power management (for standby), and other settings.
4. Click the **Resources** tab to view and edit the resource allocation settings.
5. When finished, click **OK**.

Powering the Virtual Appliance On or Off

There are multiple ways to power the SonicWALL ViewPoint Virtual Appliance on or off.

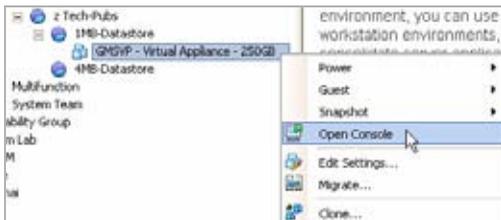
To power the virtual appliance on (or off):

1. Do one of the following:
 - Right-click the SonicWALL ViewPoint Virtual Appliance in the left pane and navigate to **Power > Power On** (or **Power > Power Off**) in the right-click menu.
 - Select the SonicWALL ViewPoint Virtual Appliance in the left pane and then click **Power on the virtual machine** (or **Shut down the virtual machine**) on the Getting Started tab in the right pane.
 - Select the SonicWALL ViewPoint Virtual Appliance in the left pane and then click **Power On** (or **Shut down guest**) on the Summary tab in the right pane.

Configuring Host Settings on the Console

After powering on the SonicWALL ViewPoint Virtual Appliance, perform the following steps to open the console and configure the IP address and default route settings:

1. In vSphere, right-click the SonicWALL ViewPoint Virtual Appliance in the left pane and select **Open Console** in the right-click menu.



Configuring Host Settings on the Appliance Web Interface

After configuring the IP address and default route settings on the SonicWALL ViewPoint Virtual Appliance console, the next steps are to change the admin password and configure host name, network, and time settings in the appliance management interface. The password is changed during the login process, and the Host Configuration Tool changes the other settings.

The Host Configuration Tool is a wizard that takes you through several basic steps to get your SonicWALL ViewPoint Virtual Appliance configured for your network.

The wizard starts automatically after you log in for the first time and change the admin password. You can cancel the wizard at this time, which leaves the default configuration on the virtual appliance and prevents the wizard from automatically starting again.



Note: *If you log out of the appliance management interface without actually cancelling the wizard, it will start automatically on your next login.*



You can manually start the wizard at any time by clicking the **Wizards** button at the top-right corner of the page.

Perform the following steps to complete host configuration for the virtual appliance:

1. Launch a browser and enter the URL of the virtual appliance, such as:
http://10.208.112.175
2. On the appliance interface login page, type in the default credentials and then click **Submit** to log in.

The default credentials are:

User – **admin**

Password – **password**

Welcome to the SonicWALL Universal Management Appliance Login
SonicWALL UIMA Version 6.0

SONICWALL

Please log in

Use default User "admin" and Password "password" to login.

User: admin

Password: password

Submit

3. The first time you log in to the appliance, you must change the password. The login page re-displays with the default login credentials prepopulated. Enter a new

password for the admin account in the **New Password** field, and enter it again in the **Confirm New Password** field. Click **Submit**.



Note: *The new password must be at least 7 characters.*

Change Password.

Change password forced for the first time login.

User: admin

Current Password:

New Password: |

Confirm New Password:

Submit



Alert: *Be sure to save or write this password down in a secure location, as it is encrypted and is difficult to recover if you forget it.*

- The Host Configuration Tool wizard starts automatically. In the Introduction screen, click **Next**.

Host Configuration Tool

Introduction	Step 1. Introduction
Network Settings	Welcome to the Host Configuration tool Configuring the host involves setting host name, IP address, DNS, Time and other system specific parameters.
Time Settings	This wizard will guide you through the process of configuring a host, step by step.
Summary	

Next > Cancel

SONICWALL

- In the Network Settings screen, configure the following network settings for the SonicWALL ViewPoint Virtual Appliance, and then click **Next**:
 - Name** – A descriptive name for this virtual appliance
 - Domain** – In the form of “sonicwall.com”; this domain is not used for authentication

- **Host IP Address** – The static IP address for the eth0 interface of the virtual appliance
- **Subnet Mask** – In the form of “255.255.255.0”
- **Default Gateway** – The IP address of the network gateway – this is the default gateway and is required for networking purposes.
- **DNS Server 1** – The IP address of the primary DNS server
- **DNS Server 2 (Optional)** – The IP address of the secondary DNS server

Host Configuration Tool

Introduction

Step 2: Network Settings

Network Settings

Name: example: hostName

Domain: example: domain.com

Time Settings

Host IP address:

Subnet mask:

Default gateway:

Summary

DNS server 1:

DNS server 2:

To continue, click Next.

6. In the Time Settings screen, select values for the following system settings on the virtual appliance, and then click **Next**:
- **Time (hh:mm:ss)** – Hours, minutes, and seconds of current time; this field is disabled if the NTP option is selected
 - **Date** – Month, day, and year of current date; this field is disabled if the NTP option is selected
 - **TimeZone** – Select from the drop-down list
 - **Set time automatically using NTP** – Select this checkbox to use an NTP server to set the virtual appliance time; a default NTP server is pre-configured

Host Configuration Tool

Introduction

Step 3: Time Settings

Network Settings

Time (hh:mm:ss): disabled

Date: disabled

Time Settings

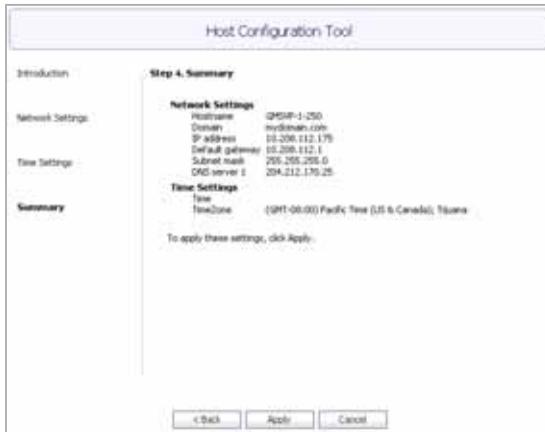
TimeZone:

Set time automatically using NTP

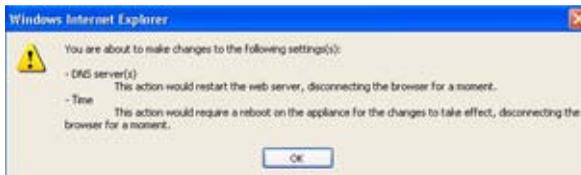
Summary

To continue, click Next.

7. In the Summary screen, verify the settings. Click **Back** to make changes on a previous screen, or click **Apply** to accept the settings.



8. A dialog box warns you that the virtual appliance will reboot. Click **OK**.



9. Wait for the settings to be applied, possibly for a few minutes. The screen displays a progress bar until it finishes, and then displays the status.



Note: *If you modified the DNS settings, the services on the appliance will restart when the changes are applied, causing a momentary connectivity loss to the Web server. Your browser will be redirected to the appliance management interface login page.*
If you modified the Time settings, the virtual appliance will reboot. Use your browser to reconnect to the appliance management interface.

Registering and Licensing SonicWALL ViewPoint

All SonicWALL ViewPoint Virtual Appliances must be registered and licensed before use. This requirement applies to fresh or upgraded deployments.

This section contains the following subsections:

- “Creating a MySonicWALL Account” on page 28
- “Registering / Licensing the SonicWALL ViewPoint Virtual Appliance” on page 29

Creating a MySonicWALL Account

A MySonicWALL account is required for product registration. If you already have an account, continue to the *Registering / Licensing the SonicWALL ViewPoint Virtual Appliance* section. Perform the following steps to create a MySonicWALL account:

1. In your browser, navigate to www.mysonicwall.com.
2. In the login screen, click the [Not a registered user?](#) link.



3. Complete the Registration form and then click **Register**.
4. Verify that the information is correct and click **Submit**.
5. In the screen confirming that your account was created, click **Continue**.

 **Note:** MySonicWALL registration information is not sold or shared with any other company.

Registering / Licensing the SonicWALL ViewPoint Virtual Appliance

You must register your SonicWALL ViewPoint Virtual Appliance on MySonicWALL before you can run SonicWALL ViewPoint on it. Registration is performed using the appliance management interface. When registration is completed, SonicWALL ViewPoint will be licensed on your virtual appliance.



When you log in to the SonicWALL ViewPoint Virtual Appliance after running the Host Configuration Tool, the **Register** button is displayed in the top right corner of the page. A Register link is also available at the top of the page. The registration process requires that the virtual appliance have access to the Internet.

To register your SonicWALL ViewPoint Virtual Appliance, perform the following steps:

1. In a browser, log in to the appliance management interface using the new password for the admin account.
2. On the System > Status page, the **Registration Pending** notification across the top of the screen indicates that the system is not registered, the Serial Number status is **UNKNOWN**, and the License status displays **Not Licensed**. To begin registration, click the **Register** button or [Register](#) link.

The screenshot shows the SonicWALL Universal Management Appliance (UMA) 6.0 interface. At the top, there is a notification: "Registration Pending: Click Register to complete the registration for this management suite." Below this, the "Status Information" section is displayed, divided into "General" and "System" categories.

General	
Name	SonicWALL Universal Management Appliance
Serial Number	UNKNOWN
Version	6.0 (Build: 6022.1243 - Friday February 19, 2010 04:24:52 PM PST)
License	Not Licensed
Role	Syslog Collector

System	
Host Name/IP	GMSWP-1-250.mydomain.com [10.208.112.175]
Current Time	Feb 25, 2010 03:53:29 PM PDT
Operating System	SonicLinux (VPI)
CPU	Intel Xeon (2.33 GHz) Cache: 4096 (2 Logical CPUs)
RAM	3040 MB
Available Disk Space on	
- Inital Partition	0.05 GB (of Total 0.55 GB)
- Data Partition	228.09 GB (of Total 240.46 GB)

Getting Started

SonicWALL technical documentation Getting Started/ Guides are available at the MySonicWALL.com Download Center and the Product Guide Library.

- In the License Management page, type your MySonicWALL user name and password and then click **Submit**.

License Management Serial Number: Not Registered

mySonicWALL.com Login

mySonicWALL.com is a one-stop resource for registering all your SonicWALL Internet Security Appliances and managing all your SonicWALL security service upgrades and changes. mySonicWALL provides you with an easy-to-use interface to manage services and upgrades for multiple SonicWALL appliances. For more information on mySonicWALL please visit the FAQ. If you do not have a mySonicWALL account, please [click here](#) to create one.

Please enter your existing mySonicWALL.com username (or email address) and password below:

Email Address (User Name):

Password:

Did you forget your User Name or Password? Go to <https://www.mysonicwall.com> for help.

- On the second License Management page, type **VIEWPOINT** (all capital letters) into the **Serial Number** field and leave the **Authentication Code** fields blank.

License Management Serial Number: Not Registered

Follow the instructions below for the product being registered and hit Submit when done

- GMS Deployment:** Enter your 12-character serial number, authentication code and a friendly name. If you want to use your 8 character serial number (5G000000) instead, [click here](#).
- ViewPoint Deployment:** Please [click here](#) for registration instructions

Serial Number:

Authentication Code: [what is this?](#)

Friendly Name:

- Type a friendly name for the system into the **Friendly Name** field. The friendly name is displayed on MySonicWALL to more easily identify the installation on this system.
- Click **Submit**.
- The License Management page displays a completion screen. Click **Continue**.

License Management Serial Number: 004010023602F

This product has been registered successfully.
Thank you for Registering.

- The Deployment > Roles page is displayed. Although there is only one possible role for a SonicWALL ViewPoint deployment, you must still configure certain fields on this page and then click **Update** to fully activate the application. For instructions on configuring these settings, continue with the procedure described in [“Configuring the Deployment Role” on page 31](#).

5

Configuring the Deployment Role

In a SonicWALL ViewPoint installation, the Deployment > Roles page provides a way to configure the syslog port and the database settings, and to test database connectivity.

The initial Deployment > Roles page is shown below:

ViewPoint Role Configuration: Database user/password and Admin password configuration task is pending.

Host Role Configuration

Single Server Configuration

ViewPoint Details

Syslog Server Port:

Database Configuration

Database Type:

Database Host:

Database Port:

Database User:

Database Password:

Confirm Database Password:

Database Driver:

Database URL:

Administrator Credentials

Note: Database administrator credentials are required to create the database access user (above), if not already exists.

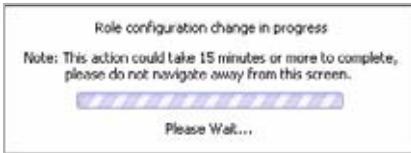
Admin Login:

Admin Password:

Confirm Admin Password:

1. To set the syslog port, enter the port number into the **Syslog Server Port** field.
2. Under **Database Configuration**, to provide credentials with which SonicWALL ViewPoint will access the database, enter the account user name into the **Database User** field, and enter the account password into both the **Database Password** and **Confirm Database Password** fields.
3. To test connectivity to the database server, click **Test Connectivity**. A popup will display the status.
4. When finished, click **Update** to apply the changes. To revert the fields on the page to their default settings, click **Reset**.
5. Click **OK** in the Role Configuration dialog box to apply the ViewPoint role to this virtual appliance.

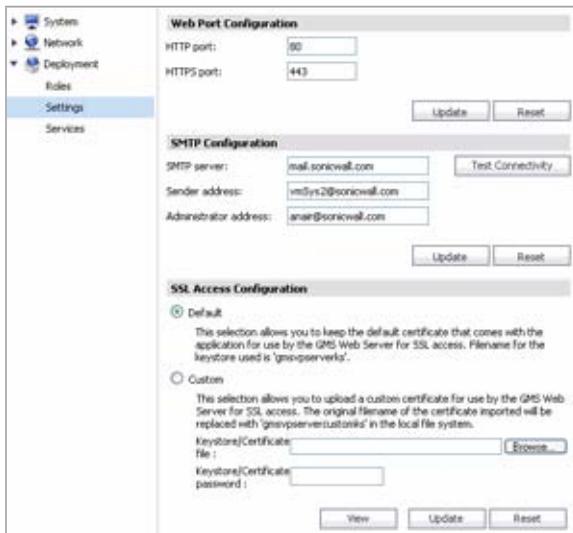
6. Wait for the settings to be applied. The screen displays a progress bar until it finishes, and then displays the status. This phase can take 15 minutes or more.



7. Click **Close** to exit the Role Configuration Tool.

Configuring Deployment Settings

This section describes the Deployment > Settings page of the appliance interface, used for Web port, SMTP, and SSL access configuration.



See the following sections:

- [“Configuring Web Port Settings” on page 32](#)
- [“Configuring SMTP Settings” on page 33](#)
- [“Configuring SSL Access” on page 34](#)

Configuring Web Port Settings

To change the Web port settings, perform the following steps:

1. On the **Deployment > Settings** page under **Web Port Configuration**, to use a different port for HTTP access to the SonicWALL ViewPoint Virtual Appliance, type the port number into the **HTTP Port** field. The default port is 80.
2. To use a different port for HTTPS access to the SonicWALL ViewPoint Virtual Appliance, type the port number into the **HTTPS Port** field. The default port is 443.

3. Click **Update** to apply the Web port settings.



Note: *Changing the Web port settings will cause the virtual appliance to restart.*

4. After the virtual appliance restarts, use the new port to access the /appliance management interface. For example:
 - If you changed the HTTP port to 8080, use the URL:
http://<IP Address>:8080/appliance/
 - If you changed the HTTPS port to 4430, use the URL:
http://<IP Address>:4430/appliance/

Configuring SMTP Settings

The SMTP settings are used for sending email alerts to the SonicWALL ViewPoint Virtual Appliance system administrator. The SMTP Configuration section allows you to configure an SMTP server name or IP address, a sender email address, and an administrator email address. You can also test connectivity to the configured server.

If the Mail Server settings are not configured correctly, you will not receive important email notifications, such as:

- System alerts for your SonicWALL ViewPoint deployment performance
- Availability of product updates, hot fixes, or patches
- Scheduled reports

To configure the SMTP settings, perform the following steps:

1. On the **Deployment > Settings** page under **SMTP Configuration**, enter the IP address of the SMTP server into the **SMTP server** field.
2. In the **Sender address** field, enter the email address that will appear as the 'From' address when email alerts are sent to the administrator.
3. In the **Administrator address** field, enter a valid email address for the administrator who will receive email alerts.
4. To test connectivity to the SMTP server, click **Test Connectivity**.
5. Click **Update** to apply the SMTP settings.

Configuring SSL Access

The SSL Access Configuration section allows you to configure and upload a custom Keystore/Certificate file for SSL access to the virtual appliance, or to select the default local keystore.

To configure SSL access:

1. On the **Deployment > Settings** page under **SSL Access Configuration**, select one of the following:
 - Select the **Default** radio button to keep, or revert to, the default settings, in which the default SonicWALL ViewPoint Web Server certificate with 'gmsvpserverks' keystore is used.
 - Select **Custom** to upload a custom keystore certificate for SSL access to your SonicWALL ViewPoint Virtual Appliance.
2. For a custom keystore certificate, click the **Browse** button in the **Keystore/Certificate file** field to select your certificate file.
Your custom file is renamed to 'gmsvpservercustomks' after upload.
3. Type the password for the keystore certificate into the **Keystore/Certificate password** field.
4. Click the **View** button to display details about your keystore certificate.
5. Click the **Update** button to submit your changes.

Introduction to the Management Interfaces

This section describes the two SonicWALL ViewPoint Virtual Appliance management interfaces. An almost identical URL is used when accessing either the SonicWALL ViewPoint management interface or the appliance system interface, but the URL is modified to specify either **sgms** or **appliance**.

See the following sections:

- [“Overview of the Two Interfaces” on page 35](#)
- [“Switching Between Management Interfaces” on page 36](#)

Overview of the Two Interfaces

The SonicWALL ViewPoint Virtual Appliance comes with two separate management interfaces:

- **SonicWALL UMA Appliance Management Interface** – Used for system management of the virtual appliance, including registration and licensing, setting the admin password, configuring network settings, configuring the deployment role, and configuring other system settings.

Access the appliance management interface with the URL:

<http://<IP address>:<port>/appliance/>

If you are using the standard HTTP port, 80, it is not necessary to append the port number to the IP address.



The screenshot displays the SonicWALL UMA 6.0 management interface. The top navigation bar includes the SonicWALL logo, the text 'UMA 6.0', and three icons (refresh, help, and logout) with corresponding labels 'Switch', 'Help', and 'Logout'. A left-hand navigation menu is visible, with 'System' expanded to show 'Status' as the selected option. The main content area is titled 'Status Information' and is divided into three sections: 'General', 'System', and 'Getting Started'.

General	
Name	SonicWALL Universal Management Appliance
Serial Number	0040102392AB
Version	6.0 (Build: 6022.1243 - Friday February 19, 2010 04:24:52 PM PST)
License	Licensed for ViewPoint
Role	ViewPoint

System	
Host Name/IP	GMSWP-1-250.mydomain.com [10.209.112.175]
Current Time	Feb 25, 2010 05:33:20 PM PDT
Operating System	SonicLinux (VM)
CPU	Intel Xeon (2.33 GHz) Cache: 4096 (2 Logical CPUs)
RAM	3040 MB
Available Disk Space on	
Install Partition	0.05 GB (of Total 0.55 GB)
Data Partition	221.72 GB (of Total 240.46 GB)

Getting Started

SonicWALL technical documentation (*Getting Started Guides*) are available at the [MySonicWALL.com Download Center](#), and the [Product Guide Library](#).

- **SonicWALL ViewPoint Management Interface** – Used to access the SonicWALL ViewPoint application that runs on the virtual appliance. This interface is used for viewing reports and for configuring administrative settings. Access the SonicWALL ViewPoint management interface with the following URL:
<http://<IP address>:<port>/sgms/>



Switching Between Management Interfaces

You can easily switch between the SonicWALL UMA appliance management interface and the SonicWALL ViewPoint management interface.



When logged in to either interface, you can switch to the login page of the other interface by clicking the **Switch** button in the top right corner of the page.

Note: *The admin account on the appliance interface can have a different password than the admin account for SonicWALL ViewPoint.*

Next Steps

After installation, registration, and role configuration, the next steps in setting up your SonicWALL ViewPoint deployment are performed in the SonicWALL ViewPoint management interface. See the *SonicWALL ViewPoint Administrator's Guide* for complete information about configuring SonicWALL ViewPoint reporting. This guide and other related documents are available on:

<http://www.sonicwall.com/us/Support.html>

Suggested next steps include the following:

- **Provisioning units** – Log into each appliance that will be monitored by SonicWALL ViewPoint, and license it for SonicWALL ViewPoint.
- **Adding units** – In the SonicWALL ViewPoint management interface, right-click in the left navigation pane and select **Add Unit** to add a SonicWALL appliance to ViewPoint reporting.
- **Scheduling reports** – Use the Console panel of the SonicWALL ViewPoint management interface to set up a reporting schedule for your appliances.

Updating the SonicWALL ViewPoint Virtual Appliance

The System > Settings page of the appliance interface is used to update the SonicWALL ViewPoint Virtual Appliance to a newer build or version.

To update the SonicWALL ViewPoint Virtual Appliance, perform the following steps:

1. Download the updater file from MySonicWALL. The file name is in the format:
sw_gmsvp_vm_eng_6.0.xxxx.yyyy.gmsvp-updater.sh



Note: Do not rename the updater file.

2. Log on to the appliance interface of the SonicWALL ViewPoint Virtual Appliance and navigate to the **System > Settings** page.

Firmware Upgrade/Service Pack/Hotfix

Upload the Firmware Upgrade/Service Pack/Hotfix file in order to update the system.

Current Version: 6.0 (Build: 6022.1243 - Friday February 19, 2010 04:24:52 PM PST) (Click [here](#) for history)

Upload file:

Reinitialize Appliance to Factory Settings

Reinitialize the settings for this SonicWALL GMS appliance to the factory default values.

3. Click **Browse** and select the **sw_gmsvp_vm_eng_6.0.xxxx.yyyy.gmsvp-updater.sh** file on your local system.
The file must be for the virtual appliance (be sure it has **vm** in the file name).
4. Click **Apply** to update your virtual appliance with the new software.

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Manufacturer is SonicWALL, Inc. with headquarters located at 2001 Logic Drive, San Jose, CA 95124-3452, USA.

Related Technical Documentation

SonicWALL user guide reference documentation is available at the SonicWALL Technical Documentation Online Library: <<http://www.sonicwall.com/us/Support.html>>.

The SonicWALL ViewPoint 6.0 documentation set includes the following user guides:

- *SonicWALL ViewPoint 6.0 Administrator's Guide*
- *SonicWALL ViewPoint 6.0 Release Notes*
- *SonicWALL ViewPoint Virtual Appliance 6.0 Getting Started Guide*

For basic and advanced deployment examples, refer to SonicWALL ViewPoint user guides and deployment technotes.

The screenshot shows the SonicWALL Customer Support website. At the top, there is a navigation bar with links for HOME, PRODUCTS, SOLUTIONS, HOW TO BUY, SUPPORT (highlighted), TRAINING & EVENTS, COMPANY, and PARTNERS. Below the navigation bar, a banner features the text "24 X 7 X 365 SELF-SERVE CUSTOMER ASSISTANCE SUPPORT" and a "START" button. The main content area is divided into several sections: "Service Bulletins" with a highlighted entry for CVE-2009-2631; "Featured & Top Support Topics" with a search bar and three columns of articles; "my support" section with "My Coverage", "My Cases", and "the latest" subsections; and "browse" and "contact" sections on the left side. The "browse" section includes filters for "By Product" and "By Resource". The "contact" section includes "Open a New Case By..." and "Stay in Touch" options.

SonicWALL Live Product Demos

Get the most out of your SonicWALL ViewPoint with the complete line of SonicWALL products. The SonicWALL Live Demo Site provides free test drives of SonicWALL security products and services through interactive live product installations:

- Unified Threat Management Platform
- Secure Cellular Wireless
- Continuous Data Protection
- SSL VPN Secure Remote Access
- Content Filtering
- Secure Wireless Solutions
- Email Security
- GMS and ViewPoint

For further information, visit:

<<http://livedemo.sonicwall.com/>>

The screenshot shows the SonicWALL Live Demo website interface. The top navigation bar includes the SonicWALL logo and the text "Live Demo". The main content area is divided into several sections:

- Left Sidebar:** A vertical list of product categories, each with an icon: "UTM / Firewall / VPN / CSM" (grid icon), "Management & Reporting" (globe icon), "SSL VPN Secure Remote Access" (key icon), "Backup & Recovery" (circular arrow icon), "Anti Spam & Email Security" (envelope icon), and "Technology Partners" (magnifying glass icon).
- Center:** A section titled "Click an Appliance to Launch Demo" with two appliance images. The top one is labeled "Global Management System" and the bottom one is labeled "ViewPoint".
- Right Panel:** A section titled "SONICWALL Global Management System" with the sub-heading "Flexible and Powerful Global Network Management". Below this, it states: "GMS delivers unified network security management, real-time monitoring, robust reporting, and enterprise security policy management." At the bottom, it lists "Installed at This Site: GMS 5.1.1 Microsoft SQL 2005 Server".

Notes

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PN: 232-001857-00 Rev A 3/2010

