



# **CLEARSWIFT SECURE Gateways**

## **Installation Guide**

Revision 1.1

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# Preface

This guide describes the process of installing the Clearswift Email Gateway and the Clearswift Web Gateway. The available installation options for both Gateways are as follows:

- Pre-installed Dell hardware.
- Installation on VMware via VMware image.
- Installation on customer specific hardware.
- Installation of VMware via ISO image.
- Installation of Hyper-V via ISO image.

## About this guide

This guide provides the prerequisite information you need to install and configure the Clearswift Gateway. On completion, the Getting Started wizard will guide you through the installation process and the Clearswift Gateway setup.

The information in this guide supplements that contained in the online help (for further information, see *Related documentation* later in this Preface).

## Readership

This guide assumes that readers/server administrators have a working knowledge of VMware or Microsoft Hyper-V, if required.

## Conventions

This guide uses the following conventions:

Convention	Indicates
<i>Italics</i>	Abbreviation or acronym; cross-reference to related information; or first use in text of a term defined in the Glossary.
<b>Bold type</b>	Menus, names, and options displayed on screens, or terms in a definition list.
This type	Path names, file names, and extensions; commands or text to be entered in files or dialog boxes; text displayed by the system; or extracts of program code.
<u>Underline</u>	A URL for a site on the World Wide Web.
<variable>	A value you must supply, for example, in a command line.
[<variable>]	An optional value you can supply, for example, in a command line.
	A note giving information that emphasizes or supplements important points in the text or information that may apply only in special cases.

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Convention	Indicates
	A caution alerting you to actions that could result in the loss of data.

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## Related documentation

Use this guide in conjunction with:

- **Getting Started Guide**

The Getting Started Guide provides instructions for guiding you through the set up process. You should read this document in conjunction with the Installation Guide before you install and configure the Clearswift Gateway.

This document is available from the online help.

- **Online Help**

The online help provides important information on new features supported by overview and conceptual information on the key features of the Clearswift Gateway. It also explains the procedures for using them, and describes their properties and settings.

To access the online help, click the **Help** button on the Clearswift Gateway Taskbar.

- **Knowledge Base**

The Knowledge Base provides supplementary information on various features and functionality of the Clearswift Gateway.

The Knowledge Base is available from our Web site at <http://kb.clearswift.com>.

## Accessibility

The descriptions in this guide assume the left mouse button to be the primary button and the right mouse button to be secondary. Be aware of this if you have customized your mouse buttons.

# Installation Preparation

This guide provides instructions for installing the Clearswift Gateway in a virtual environment or onto customer specific hardware. It describes how you create a virtual environment, and guides you through the installation and configuration of the Clearswift Email Gateway and the Clearswift Web Gateway.

## Prerequisites

Table 1.1 lists the hardware prerequisites for a deployment using our category of low, typical and high processors.

**Table 1-1: Hardware prerequisites for a deployment**

Hardware item	Evaluation disk drive	Production disk drive	Minimum RAM	vCPU
Processing speed (Low)	40 GB	160 GB	2 GB	2
Processing speed (Typical)	80 GB	200 GB plus	2-4 GB	3 - 4
Processing speed (High)	120 GB plus	300 GB plus	4 GB	4+ (Depending on availability)



Clearswift products utilize processor and disk resources quite extensively, please allocate dedicated resources appropriately to your own environment. The Clearswift Web Gateway will not function efficiently if the memory or CPU resources are overstretched. It is important to choose an ESX/ESXi Server with sufficient free resource and maintain this.

**Table 1-2: Clearswift Email and Web Gateway memory allocations**

Clearswift Email Gateway	2GB of memory to the virtual gateway.
Clearswift Web Gateway	4GB of memory to the virtual gateway. If available, we recommend using two CPUs each with dual-core processors. However, you may choose to vary these options.

## Types of installation

Figure 1.1 shows the difference between a VMware and an ISO image CLEARSWIFT SECURE Gateway installation.

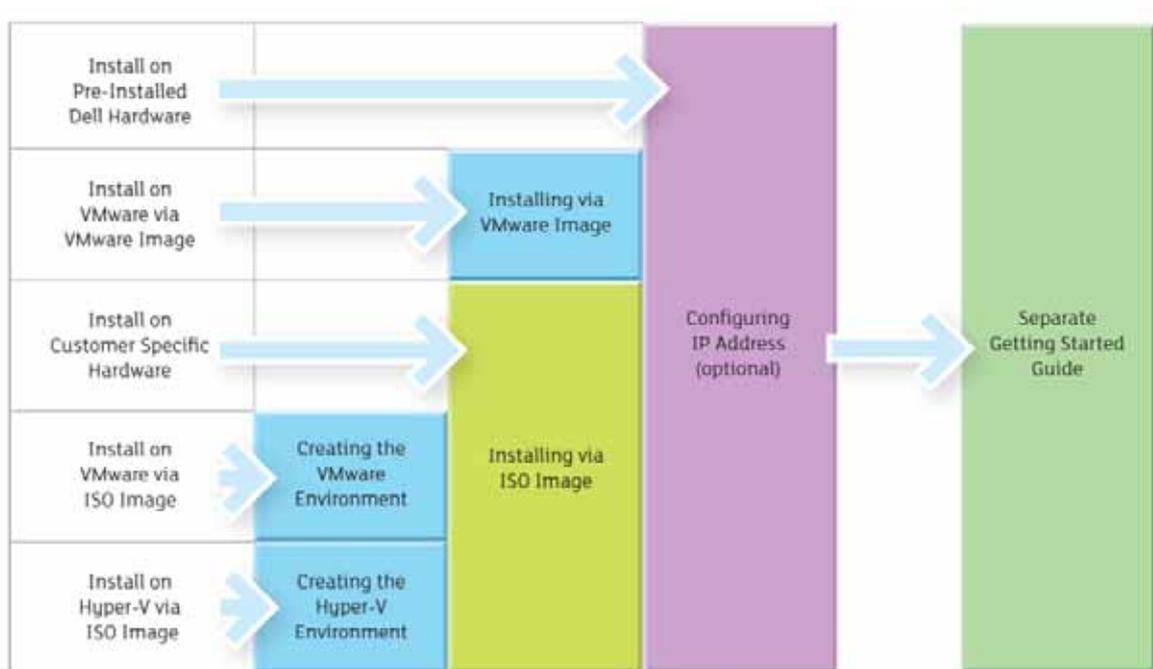


Figure 1-1: Types of installation

The types of installation available are:

1. Install the CLEARSWIFT SECURE Gateway on pre-installed Dell hardware
2. Install the CLEARSWIFT SECURE Gateway via VMware image on VMware
3. Install the CLEARSWIFT SECURE Gateway on customer specific hardware
4. Install the CLEARSWIFT SECURE Gateway on VMware via ISO image
5. Install the CLEARSWIFT SECURE Gateway on Hyper-V server via ISO image

## Installation types

### 1. To install the CLEARSWIFT SECURE Gateway on pre-installed Dell hardware

On delivery, your Dell hardware is pre-installed. You may choose to:

- a. Reconfigure the IP Address, if required. For details see, *Configuring the IP address* on page 4-1, then
- b. Install the Clearswift Gateway using the Getting Started Guide.



If you are reinstalling the Clearswift Gateway, see item 3.

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### 2. To install the CLEARSWIFT SECURE Gateway on VMware via the VMware image

- a. Install the Clearswift Gateway via the VMware image. For details see, *Installing the Clearswift Gateway via the VMware image* on page 3-5.
- b. Reconfigure the IP Address, if required. For details see, *Configuring the IP address* on page 4-1.
- c. Start the Getting Started Setup wizard using the Getting Started Guide.

### 3. To install the CLEARSWIFT SECURE Gateway on customer specific hardware

Clearswift has tested the installation on a number of Dell, IBM, HP, Fujitsu and Hitachi servers. To check if your server is supported, see the Clearswift Knowledge Base at <http://kb.clearswift.com/>

- a. Install the Clearswift Gateway via the ISO image. For details see, *Installing the Clearswift Gateway via the ISO image* on page 3-1.
- b. Reconfigure the IP Address, if required. For details see, *Configuring the IP address* on page 4-1.
- c. Start the Getting Started Setup wizard using the Getting Started Guide.

### 4. To install the CLEARSWIFT SECURE Gateway on VMware via the ISO image

- a. Create a virtual machine environment on a VMware ESX/ESXI server. For details see, *Creating a virtual machine environment* on page 2-1.
- b. Install the Clearswift Gateway via the ISO image. For details see, *Installing the Clearswift Gateway via the ISO image* on page 3-1.
- c. Reconfigure the IP Address, if required. For details see, *Configuring the IP address* on page 4-1.
- d. Start the Getting Started Setup wizard using the Getting Started Guide.

### 5. To install the CLEARSWIFT SECURE Gateway on a Hyper-V server via the ISO image

- a. Create a virtual machine environment on a Microsoft Hyper-V server. For details see, *Creating a virtual machine environment on a Microsoft Hyper-V server* on page 2-8.
- b. Install the Clearswift Gateway via the ISO image. For details see, *Installing the Clearswift Gateway via the ISO image* on page 3-1.
- c. Reconfigure the IP Address, if required. For details see, *Configuring the IP address* on page 4-1.
- d. Start the Getting Started Setup wizard using the Getting Started Guide.

## *Installation Preparation*

## Creating a virtual machine environment

You can create a virtual machine environment for:

- VMware ESX/ESXi server
- Microsoft Hyper-V server

### Creating a virtual machine environment on a VMware ESX/ESXi server

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 These instructions are applicable when you are using a VMware ESX/ESXi server version 3 or later. If you experience any problems, you should contact your normal support provider.

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To create a virtual machine environment:

1. Create a new virtual gateway. This can be created by connecting to the VMware Virtual Infrastructure Client then selecting the new **Virtual machine** option.

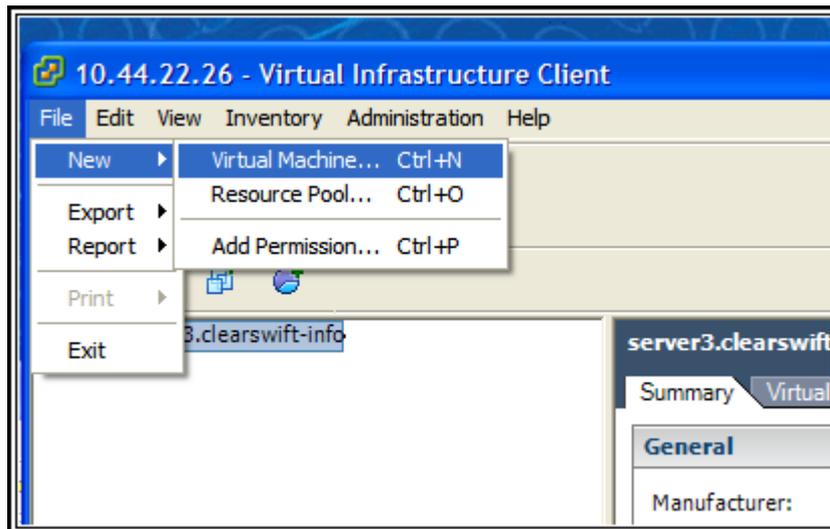
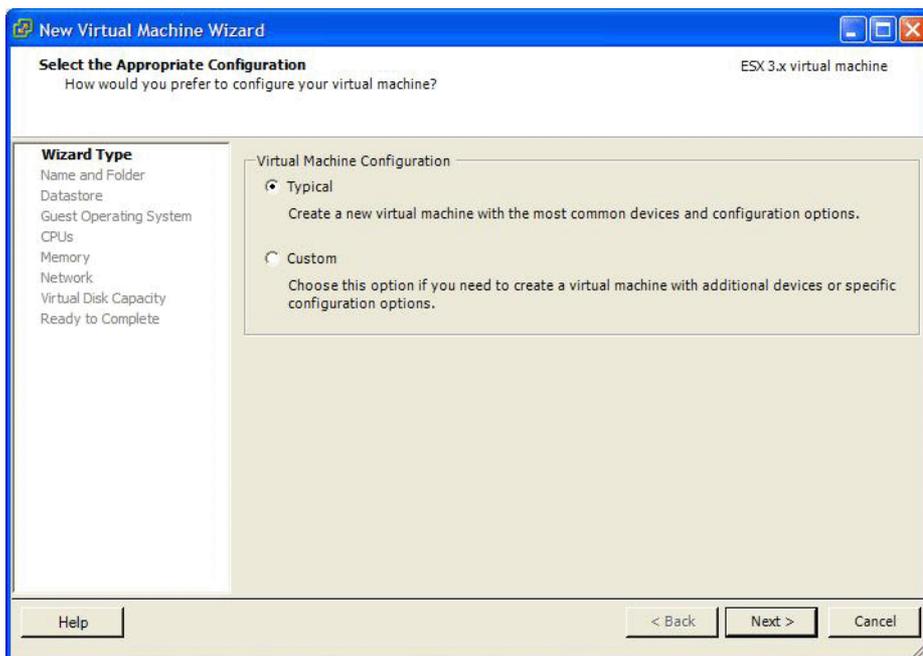


Figure 2-1: Creating a virtual machine

## Creating a virtual machine environment

2. The New Virtual Machine Wizard is displayed. To proceed, you need to run and follow the New Virtual Machine Wizard instructions.

Select **typical**, to create a typical virtual machine.



**Figure 2-2: Selecting the appropriate configuration**

3. Enter a name for the virtual machine. It is recommended that you select a meaningful name, for example, Clearswift Email Gateway or Clearswift Web Gateway.
4. Select a Datastore. This option specifies the location of the virtual machine files.
5. Enter the guest operating system to be used with the virtual machine.
  - For the typical Clearswift Email Gateway installation, select **Linux**, with the Version set to **Other Linux** or **Other Linux (32 bit)**.

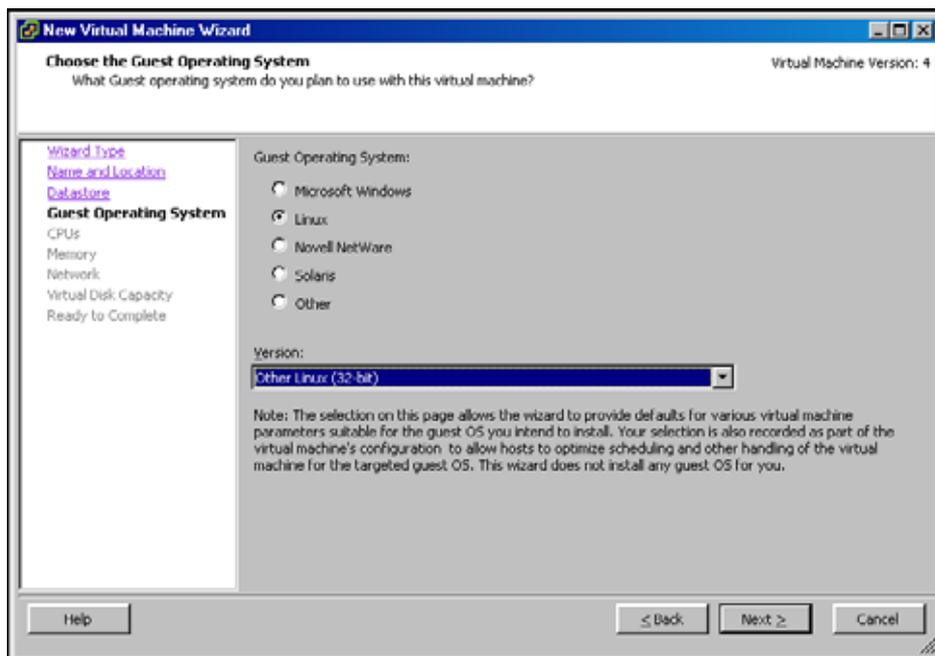


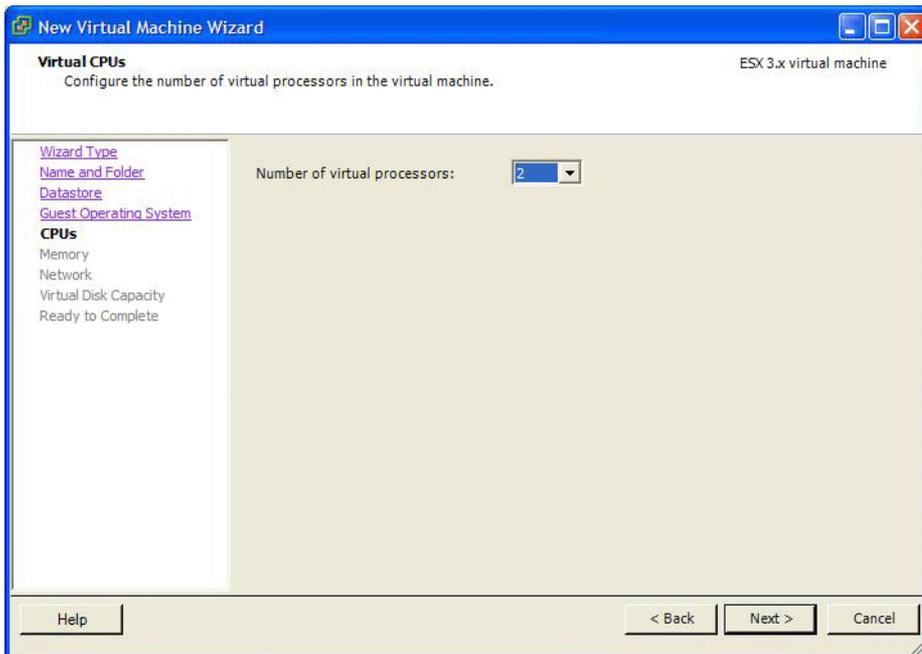
Figure 2-3: Choosing the guest operating system (ESX/ESXi virtual machine)

## Creating a virtual machine environment

6. Enter the number of virtual processors you are planning to use in the virtual machine.



On the Clearswift Web Gateway the recommended default is 2 vCPUs, provided the total number of vCPUs allocated across all VMs on the ESX/ESXi server does not exceed the available physical CPU-cores. If vCPU resource is plentiful, using a 4 vCPU VM may improve performance, but if vCPU resource is limited (or already overstretched) a 1 vCPU VM is advisable. It should be considered that on modern multi-quad-core processor hardware, access to 1, 2 or even 4 vCPUs will limit the overall performance. For example, a 2 vCPU VM on a dual quad-core hardware will only achieve a 20-25% performance, compared to a gateway running on local hardware.



**Figure 2-4: Configuring the number of virtual processors in the virtual machine**

7. Enter the amount of RAM to be available on the virtual machine. The amount of memory allocated will depend upon the number of users and the volume of email that the virtual machine needs to process and manage. Examples are specified below:
  - 2 GB is recommended for low volume environments.
  - 3 GB is recommended for typical environments.
  - 4 GB is recommended for high volume environments.

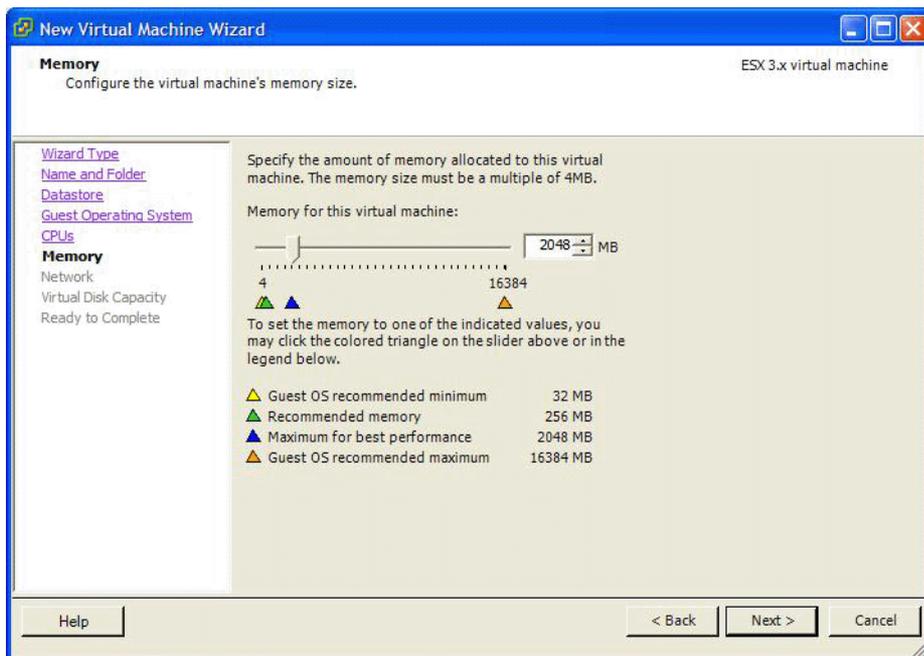
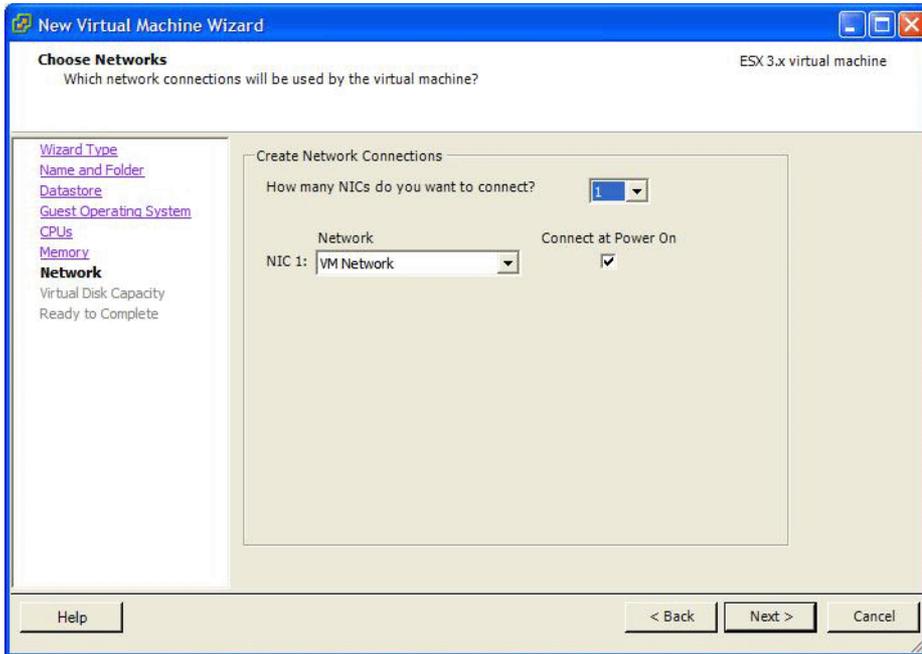


Figure 2-5: Configuring the virtual machine's memory size

## Creating a virtual machine environment

### 8. Enter the Network Interface Card (NIC) details.

The Clearswift Gateway requires one NIC to be configured. If required, a second card can be added.



**Figure 2-6: Selecting network connections which will be used by the virtual machine**

### 9. Enter the amount of disk space to be allocated on the virtual machine.

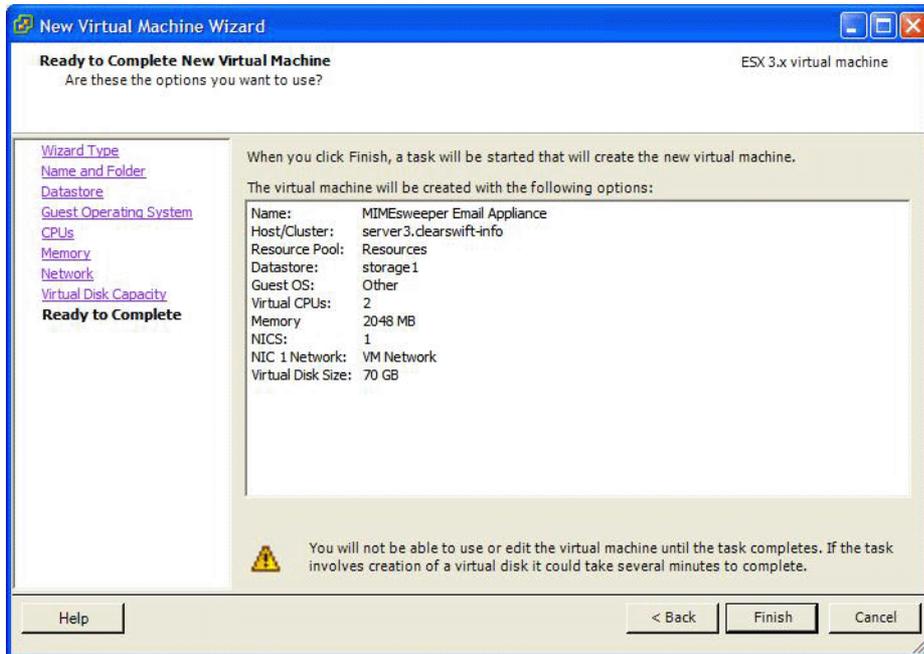
**Table 2-1: Disk space usage table**

Usage	GB
Low	160
Typical	200
High	300



The size of the virtual disk space cannot be increased after installation. To avoid performance issues, you must allow sufficient disk space for all future requirements.

10. Check the installation details, then click **Finish**.



**Figure 2-7: Checking installation details**

11. After creating the virtual machine, you must modify its properties to ensure that the installation CD can be used to install the Clearswift Gateway.
 

To modify the virtual machine properties:

  - a. Select the CD/DVD drive and browse to the ISO file downloaded from the Clearswift website.
  - b. Select the **Connect at Power on** check box.
  - c. Click **OK**.
12. Install the Clearswift Gateway via the ISO. For details see Chapter 3, *Installing the Clearswift Gateway via the ISO image* on page 3-1.

## Creating a virtual machine environment on a Microsoft Hyper-V server

**i** The instructions for using Hyper-V Manager are applicable when you are using Microsoft Hyper-V on a Windows 2008 server.

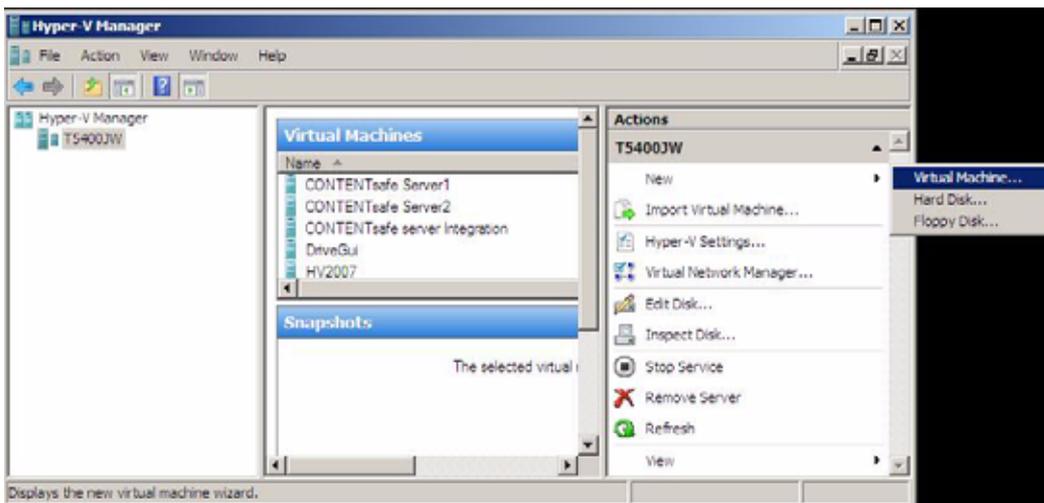
If you are using Microsoft Hyper-V Server 2008, Hyper-V Manager must be run from a Windows 2008-based server; it cannot run directly on the standalone Hyper-V server.

If you experience any problems, you should contact your normal support provider.

**i** The Clearswift Web Gateway is not supported in the Microsoft Hyper-V server environment. If you choose to install a Clearswift Web Gateway in the Microsoft Hyper-V environment, it should only be used for evaluation purposes.

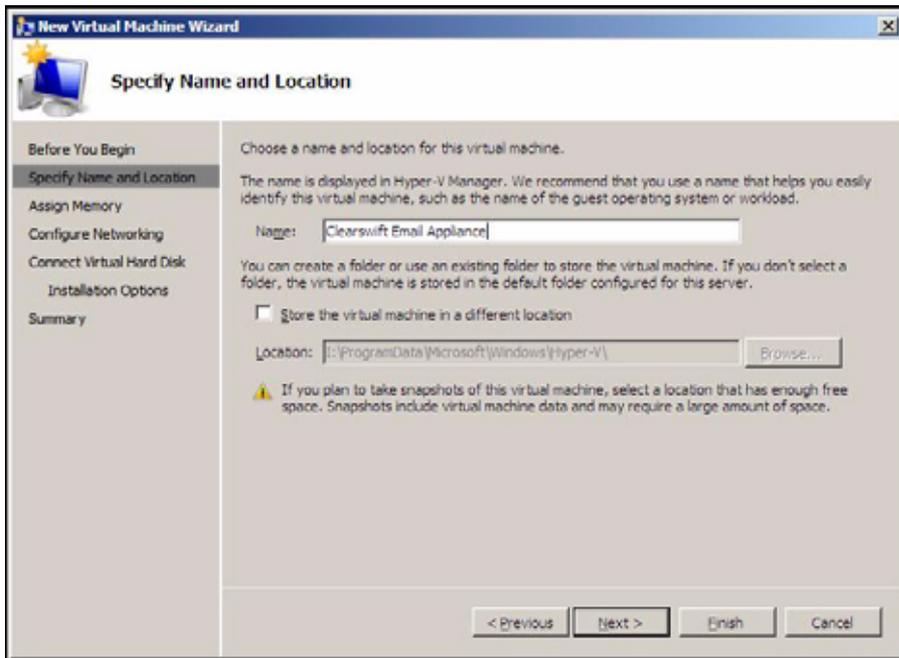
To create a virtual machine environment:

1. Create a new virtual gateway. This can be created by connecting to the Virtual Infrastructure Client then selecting the new **Virtual machine** option.



**Figure 2-8: Creating a virtual machine**

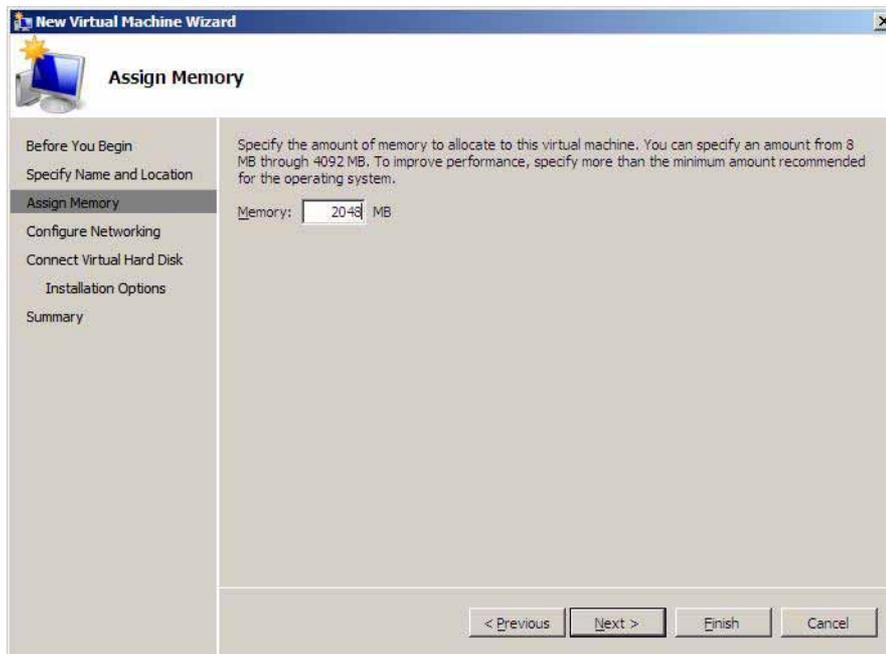
2. The New Virtual Machine Wizard is displayed. To proceed, you need to run and follow the New Virtual Machine Wizard instructions.



**Figure 2-9: Specifying the Name and Location of the Virtual Machine**

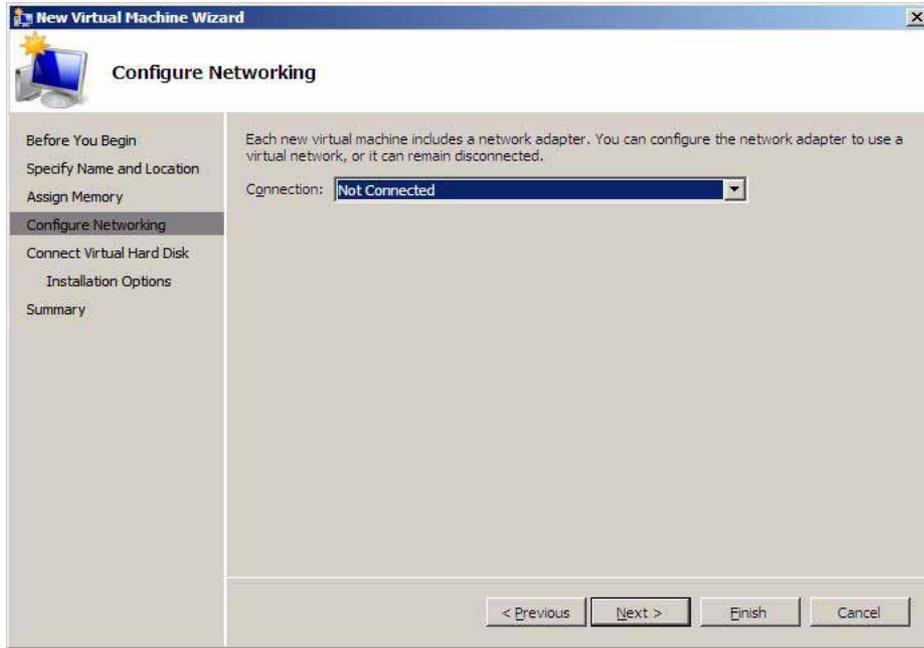
3. Enter a name for the virtual machine. It is recommended that you select a meaningful name, for example, Clearswift Email Gateway.
4. Select an existing folder or create a new folder to specify the location of the virtual machine files. If no folder is selected, the Virtual Machine will be stored in the default folder configured for this server.

## Creating a virtual machine environment



**Figure 2-10: Configuring the virtual machine's memory size**

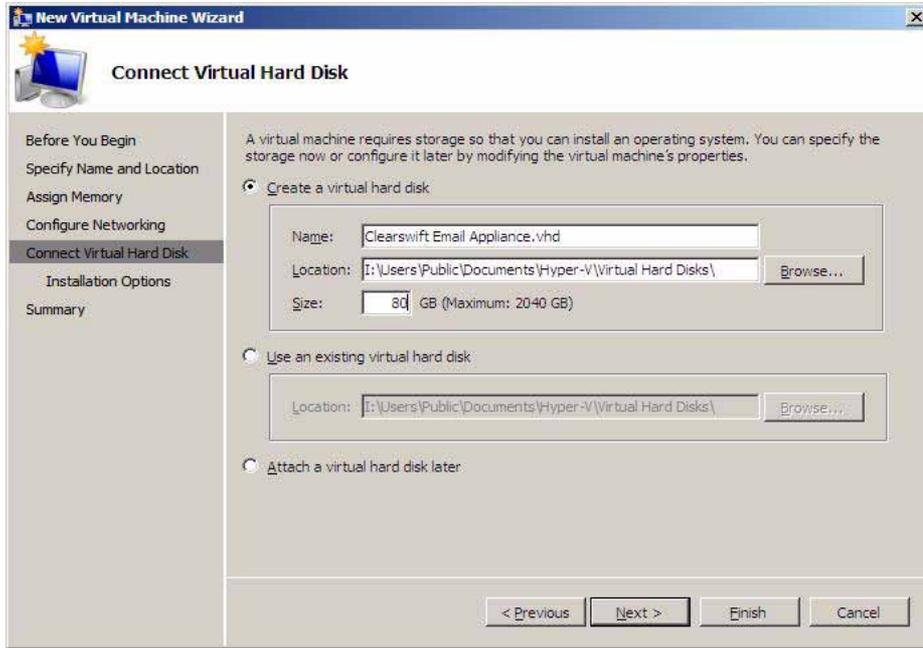
5. Enter the amount of RAM to be available on the virtual machine. The amount of memory allocated will depend upon the number of users and the volume of email that the virtual machine needs to process and manage. Examples are specified below:
  - 2 GB is recommended for low volume environments.
  - 3 GB is recommended for typical environments.
  - 4 GB is recommended for high volume environments.



**Figure 2-11: Selecting network connections which will be used by the virtual machine**

6. It is recommended that you leave the Connection as Not Connected.

## Creating a virtual machine environment



**Figure 2-12: Specifying the storage to install an Operating System**

7. Specify the Name and Location of the virtual hard disk. Enter the amount of disk space (Size) to be allocated on the virtual machine.

**Table 2-2: Disk space usage table**

Usage	GB
Low	160
Typical	200
High	300



The size of the virtual disk space can be increased after installation. To avoid performance issues, it is important to allow sufficient disk space for all future requirements.

8. You can now specify the location of the Clearswift Gateway ISO image. Select to install an operating system from a Boot CD/DVD-ROM, specify the location and then click Next.

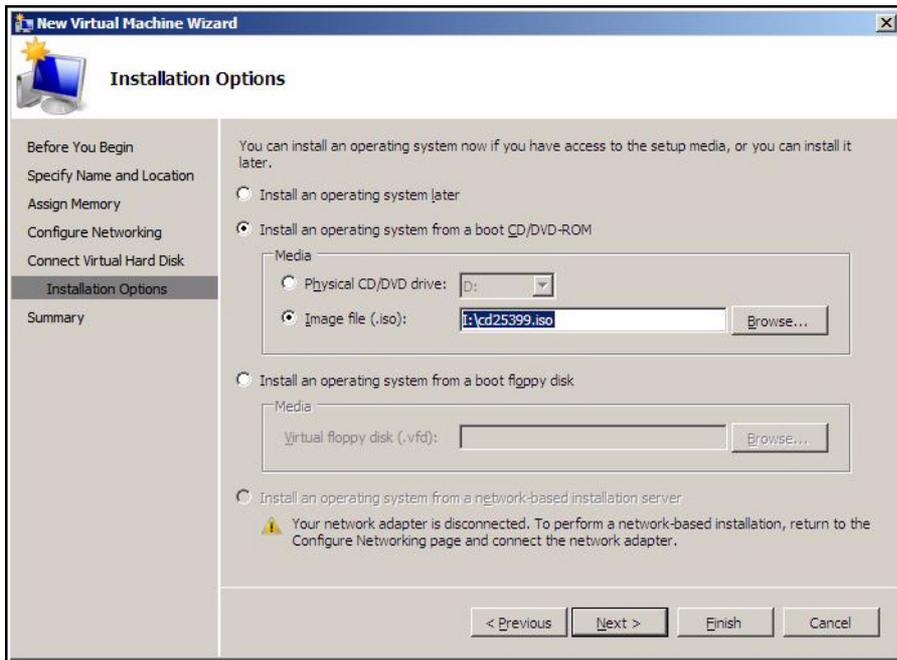
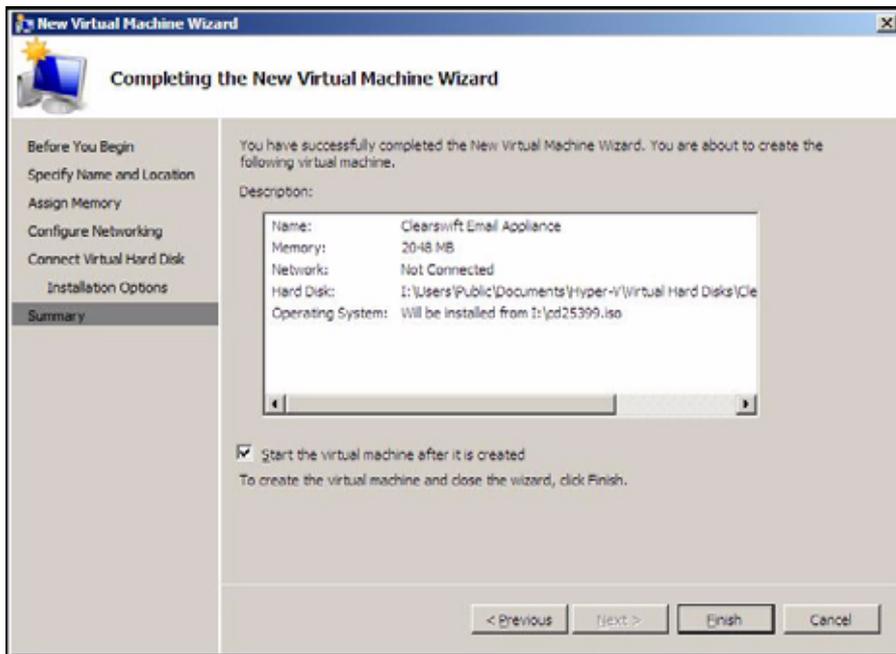


Figure 2-13: Checking installation details

## Creating a virtual machine environment

9. Check the installation details, then click Finish.



**Figure 2-14: Checking installation details**

10. A Legacy Network Adapter must be added to your virtual machine.  
Enter the Network Interface Card (NIC) details. The Clearswift Gateway requires one NIC to be configured. If required, a second card can be added.  
In the virtual machine settings you need to use a Legacy Network adapter instead of the standard adapter:
  - a. Remove the Standard Network Adapter.
  - b. Go to Add Hardware and add a Legacy Network Adapter.
  - c. Select the new legacy adapter and connect it to a network.

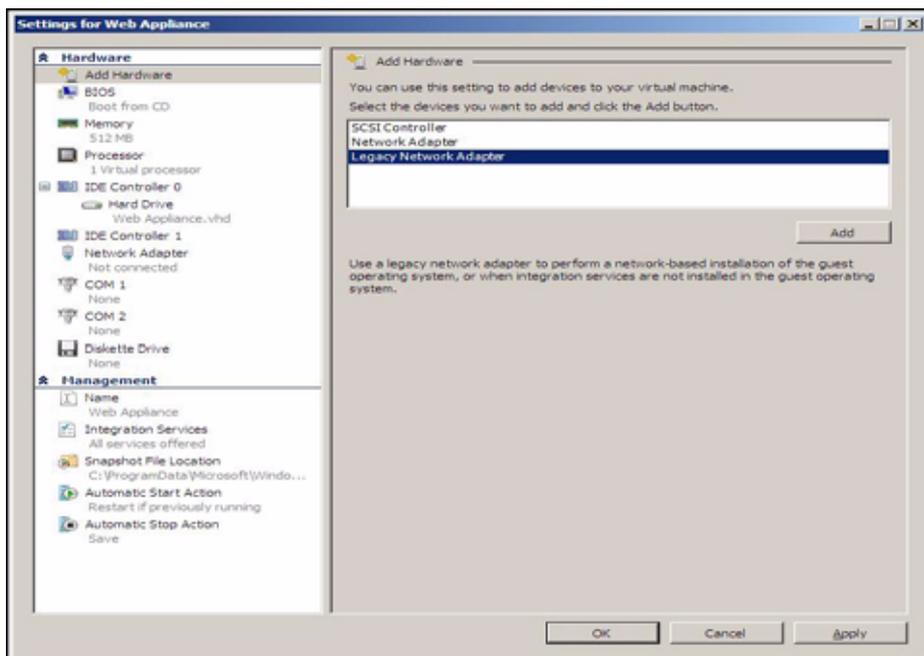
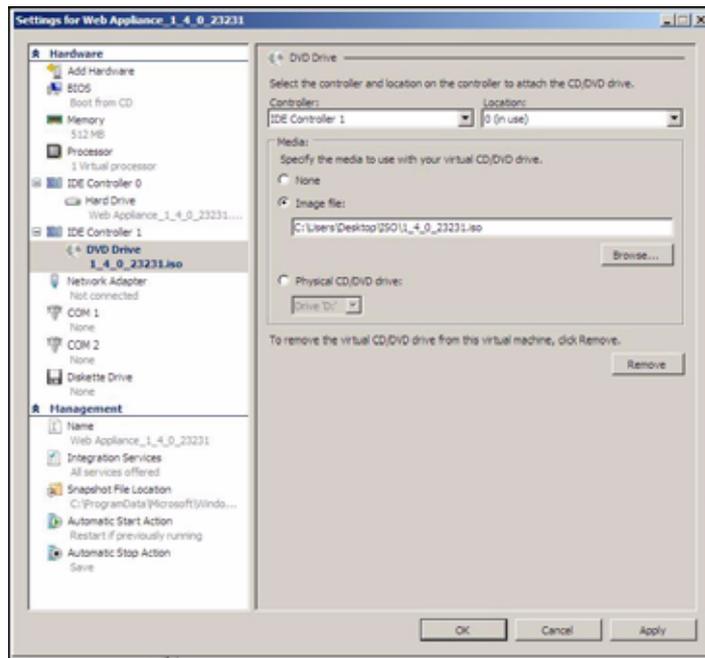


Figure 2-15: Adding a Legacy Network Adapter

11. Select the Legacy Network Adapter to be added to your virtual machine.

## Creating a virtual machine environment

12. After installation, you must change the settings on the Windows 2008 Server. The virtual CD/DVD drive must be removed from the virtual machine by selecting the DVD drive and clicking Remove.



**Figure 2-16: Removing the virtual CD/DVD drive**

13. The Clearswift Gateway will then be installed as described in point 2 of *Installing the Clearswift Gateway via the ISO image* on page 3-1.

# Installation

The CLEARSWIFT SECURE Gateway installation is available in two formats, these are:

- CLEARSWIFT SECURE Gateway via the ISO image.
- CLEARSWIFT SECURE Gateway via the VMware image.

The Clearswift Gateway ISO and VMware image are available from the Clearswift website.

## Installing the Clearswift Gateway via the ISO image

To install the Clearswift Gateway:

1. To start the installation, insert and run the Clearswift Gateway Gold CD. When the Gateway reboots, a GNU GRUB menu eventually appears, displaying only one option which the system selects automatically:

Clearswift Gateway Gold CD

2. During the installation, the following information is required:

- a. **Disk controller type**

Select the controller type that the installation script has located, for example, `sda`. In the example below, a `sda` device has been located.

```
md: If you don't use raid, use raid=noautodetect
md: Autodetecting RAID arrays.
md: Scanned 0 and added 0 devices.
md: autorun ...
md: ... autorun DONE.
RAMDISK: gzip image found at block 0
UFS: Mounted root (ext2 filesystem) on device 1:0.
/etc/init.d/rcS RUNNING...
=====
**          Installation Console          **
=====
trying... mount -t iso9660 -o ro -n /dev/hda /cdrom
Found the Gold CD device on hda
=====
**          Installation phase 1 in progress          **
=====
Step 1: Select and partition a disk

Please select a disk from the following list
WARNING: all data on the selected disk will be lost
-----
hda   :409856
sda   :20971520
-----
Make selection (e.g. hda, sda or cciss):_
```

Figure 3-1: sda example

## Installation

### b. File system type

Select a root file system type. The options available are:

- EXT3
- XFS
- REISERFS (default)

It is strongly recommended that you use ReiserFS.

### c. Partition tables

The Clearswift Gateway installation will stop when the partition tables have been built. Click Return to continue.

### d. Factory partition

The factory default Clearswift Gateway system is copied to the factory partition on the Gateway machine. On completion, the installation is stopped.

```
/dev/sda4 14605+ 20473- 5868- 6000310 83 Linux
-----
Press RETURN to continue:
-----
Step 3: transfer Gold-CD image to factory partition
       this may take a few minutes...
copy completed
-----
Step 4: install & configure the bootloader (grub)
grub successfully installed into MBR of /dev/sda
-----
**          Installation phase 1 complete          **
**          Please remove Gold-CD                  **
-----
Shutdown in 10 seconds...
umount: none busy - remounted read-only
Couldn't umount /dev/shm on none: Invalid argument
swapoff: cannot stat swap space: No such file or directory
The system is going down NOW !!
Sending SIGTERM to all processes.
Sending SIGKILL to all processes.
The system is halted. Press Reset or turn off power
md: stopping all md devices.
System halted.
-
```

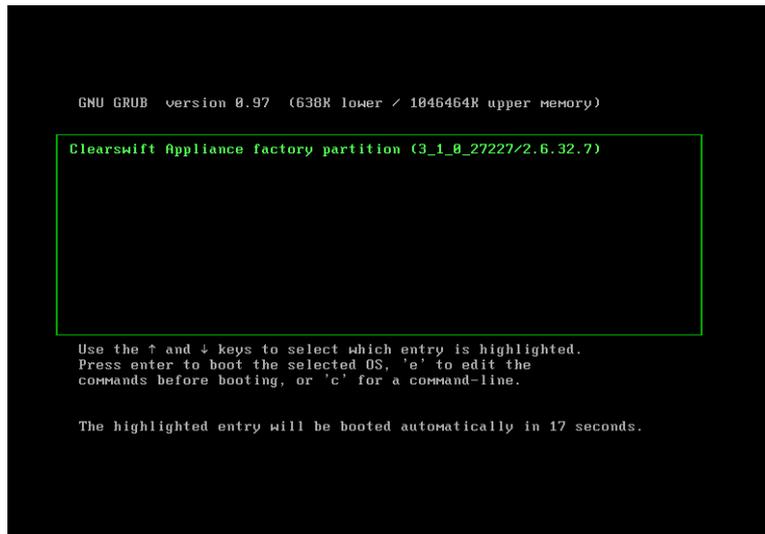
Figure 3-2: System partly built example

- e. Remove the CD from the Clearswift Gateway CD drive, then shutdown and restart the Clearswift Gateway system.



If you are installing the Clearswift Gateway in a virtual environment via ISO image, you need to unmount the CD-ROM image then restart the Clearswift Gateway system.

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**Figure 3-3: Factory start example**



If you are installing the Clearswift Gateway on an VMware ESX/ESXi server, you can select Ctrl+Alt+Ins to shutdown, then restart the Clearswift Gateway virtual machine.

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- f. The Gateway machine will restart using the factory default Clearswift Gateway system. During the second phase of the installation, the Gateway will continue to self-configure, then automatically shutdown before restarting.

```
extracting health package...
extracting appjsp package...
extracting infrastructure package...
extracting uagent package...
extracting mksmconf package...
extracting postgresql_db package...
extracting kaspav package...
extracting sllib package...
extracting smbios package...
extracting pmmtc package...
extracting pmmsapp package...
extracting technology package...
extracting initialupdate package...
extracting branding package...
extracting zoneinfo package...
extracting locales package...
extracting util-linux package...
=====
Step 5: reconfigure the bootloader (grub)
grub configuration complete
=====
**      Installation phase 2 complete      **
=====
Rebooting in 10 seconds...
```

Figure 3-4: Installation Phase 2 complete example

On completion, an Installation phase 2 complete prompt is displayed.

---

 When using standardized virtualized hardware you may see a warning message. The warning is prompted by the number of network cards being used, and the interface name of your wireless card, for example, `eth1` not being installed on the Clearswift Gateway virtual machine. This warning can be ignored.

---

- g. After completion, the Clearswift Gateway system will reboot. During this process, the console screen will be blank for a couple of minutes, while the Gateway Services are started.

-  If you want to change the location of the IP Address you must configure the IP Address before you start the Getting Started Setup wizard. For details see, *Configuring the IP address* on page 4-1.
  - If you are using the default IP Address settings in the Getting Started Setup wizard, see the Getting Started Guide.
-

## Installing the Clearswift Gateway via the VMware image

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 These instructions are applicable when you are using an VMware ESX/ESXi server version 4 or later. If you experience any problems, you should contact your normal support provider.

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To install the Clearswift Gateway from the VMware image:

- a. Download the VMware image from the Clearswift website.
  - b. Unzip the VMware image. The image consists of three files, these are:
    - OVF descriptor file
    - VMDK disk image
    - MD5 file
  - c. Import the VMware image into the Virtual Gateway wizard.
- 

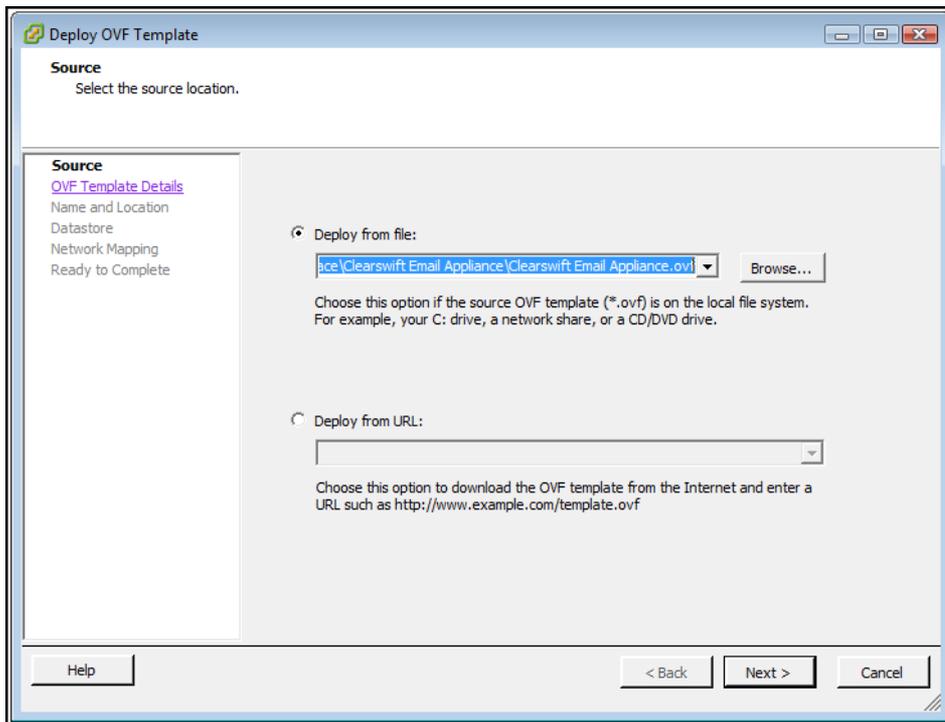
-  • Before installation, it is recommended that you check the MD5 file.
- After installation, you can modify the allocated Central Processing Unit (CPU) and RAM resource allowances, but you cannot change the allocated disk allowance.
  - If you do not want to use the default disk allowance, you must install the VMware using a Clearswift Gateway ISO image.
- 

To import the VMware image into the Import Virtual Gateway wizard:

1. From the VMware Infrastructure Client or VMware Virtual Center select **File** then **Deploy OVF Template**. The Import Virtual Gateway wizard is opened.

## Installation

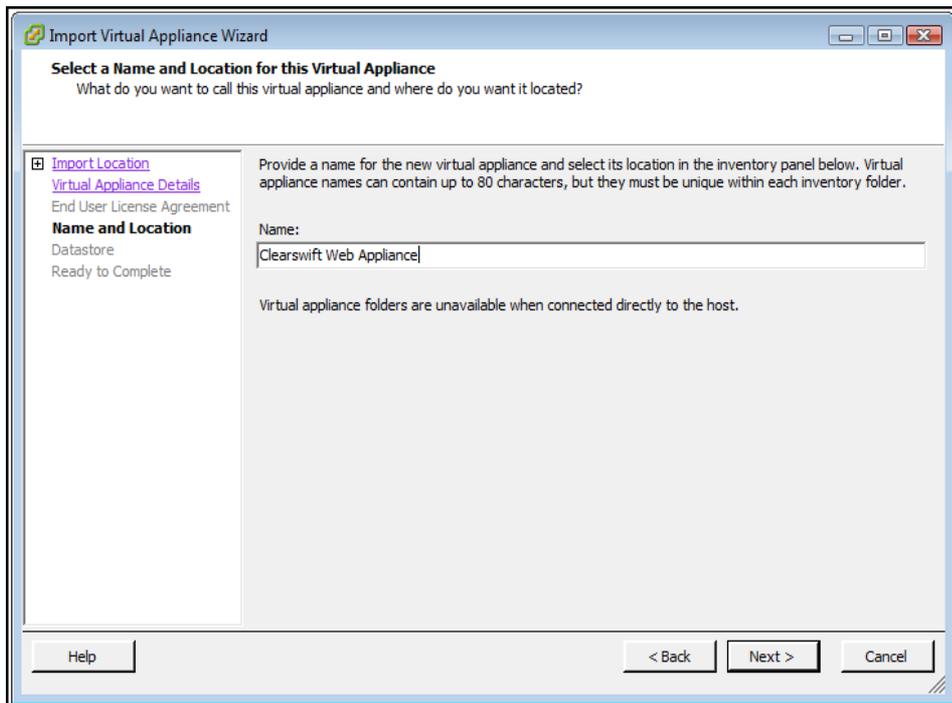
2. On the Import Location page, select **Deploy OVF Template from file**.



**Figure 3-5: Specifying the import location**

3. Click **Browse**, then browse to the location of the OVF descriptor file.
4. Select the name of the file to be imported, then click **Next**.
5. Check the file name added to **Import from file** is correct, then click **Next**.

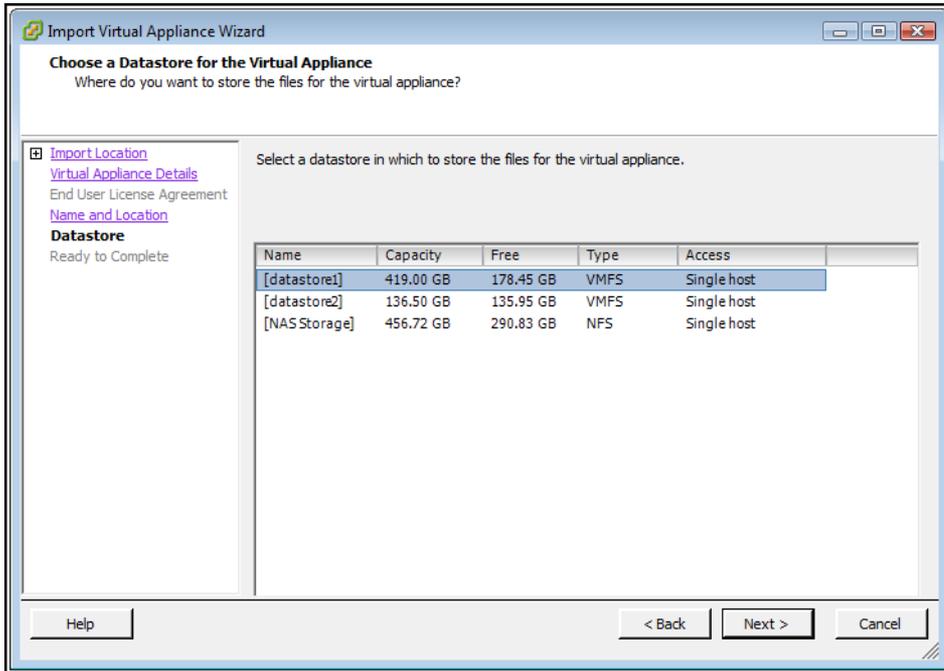
6. On the **Select a Name and Location for this Virtual Appliance** page, enter a unique name for the virtual Clearswift Gateway.
7. Click **Next**.



**Figure 3-6: Entering a unique name**

## Installation

- On the **Choose a Datastore for the Virtual Appliance** page, select a datastore in which to store the files for the Clearswift Gateway.



**Figure 3-7: Choosing a datastore**

- Check the selected datastore details, and Click **Next**.



It is recommended that you confirm the network and resource pool configurations.

- On the **Ready to Complete Virtual Appliance Import** page, it is recommended that you check the settings listed for the import.
- Click **Finish**, to import the Clearswift Gateway.



- If you want to change the location of the IP Address you must configure the IP Address before you start the Getting Started Setup wizard. For details see, *Configuring the IP address* on page 4-1.
- If you are using the default IP Address settings in the Getting Started Setup wizard, see the Getting Started Guide.

## Configuring the IP address

After the installation of the CLEARSWIFT SECURE Gateway, the IP address may need to be reconfigured to complete the installation instructions. By default, an IP address is allocated during installation. The IP address can be configured in administrator mode prior to running the Getting Started Setup wizard.

To configure the IP Address:

1. Open the virtual machine console, then press **Return** until the following Console login prompt is displayed:  
Login: console
2. Login to the Console Interface at the Console login prompt using the name **console** and the password **console**. The Clearswift Gateway Console Interface is displayed.
3. From the Console Interface menu, select **NIC1 Configure primary adapter (NIC1)**.
4. Enter the IP Address. The current values are, for example,  
NIC 1 IP address:10.20.30.40.



To select options in a Console Interface dialog, use the arrow keys to highlight the required option. Use the TAB key to select the main action at the bottom of the dialog.

When you have entered the required IP address, press the TAB key to highlight OK, and press Enter.

---

5. On the **Save NIC Settings** dialog select **Yes**, and then exit from the Console Interface.
6. From the Console Interface menu, select **Routes IP Route Management**.
7. From the menu, select **Set Default Gateway**, and set the default gateway as, for example, 10.20.30.1.



To save settings, follow step 5 above. If you check the system status from the console or go back into the default gateway or NIC parameters the previous values will be cleared. In this instance, you will need to reset the values again.

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8. Save Console Interface settings then start the Getting Started Setup wizard.

On the computer connected to the Clearswift Web Gateway, enter `https://10.20.30.40` into Internet Explorer or Mozilla Firefox.

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You cannot run the Getting Started Setup wizard until you have configured the host IP address on the virtual machine environment. For guidance, see the Getting Started Guide

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If you experience any problems you should contact your normal support provider.

## Configuring the IP address

CLEARSWIFT SECURE Email Gateway  
CLEARSWIFT SECURE Web Gateway  
Getting Started Guide



**Before you begin...**

**You will need:**

- Microsoft Internet Explorer version 6, 7 or 8
- Mozilla Firefox version 3 or higher
- A hub or switch, or an Ethernet crossover cable

**Decide on your network configuration:**  
The diagram to the right shows a typical deployment.

**Gather basic system information:**  
You will need to supply some basic information about your Clearswift Gateway and its network configuration for the setup wizard. We recommend you gather this information based on the attached setup wizard table below your host.

**License information:**  
You should have already received your product (or evaluation) license key from your Clearswift Partner or Clearswift. Should you require confirmation of your license key please contact your local sales office.



**Routing Web Traffic**

Configure your browser to use the Clearswift Web Gateway by changing the browser settings as described in the PDF script. The Clearswift Web Gateway ID also has to be entered in the computer's internet settings to ensure that it connects with a web server using HTTP traffic.

**Routing Email Traffic**

Change your mail client's SMTP settings to route outgoing email to the Clearswift Email Gateway. Configure your mail client to route incoming email to the Clearswift Email Gateway.

**1. Connecting your Clearswift Gateway**

Do not install any of the GUI software from the supplied CD's unless instructed to by a Clearswift or Dell technician as the system comes pre-installed.

- Install the Gateway in a system rack, if required.
- Connect the Gateway to power, turn on and allow the system to configure itself.

This stage will take a maximum of 30 minutes and will cause the Gateway to automatically reboot itself.

**2. Connecting your computer**

- The Clearswift Gateway's NIC1 network interface card is set by default to IP address 192.168.10.10. To enable your computer to connect to the Gateway, configure the computer with these TCP/IP settings:
  - Static IP address: 192.168.10.5
  - Subnet mask: 255.255.255.0
- Connect the computer to the NIC1 connector on the Clearswift Gateway via a switch or hub, or directly through an Ethernet crossover cable.

**3. Start the Setup wizard**

Once the computer is connected to the Clearswift Gateway, type the following URL into Internet Explorer or Mozilla Firefox: **https://192.168.10.10** to complete the Gateway Setup wizard.



**4. Connecting your Clearswift Gateway**

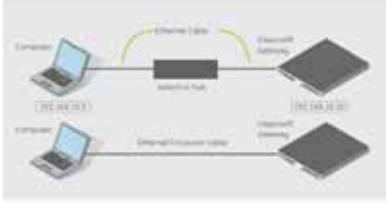
Disconnect the computer you connected in Step 2, and connect the Gateway to your network using the NIC1 connector and NIC2 if you configured the second NIC in bridging mode for proxied web traffic, with one NIC internal facing and the other NIC external facing is not supported.

**5. Starting the Clearswift Gateway web interface**

Reconnect to the Gateway using it's new address given to it during the setup wizard, e.g. **https://ip\_address**. Login to the system using the admin account and password.

If you are unable to access the system and are sure you have entered the correct credentials, then it is possible the setup wizard may still be running, wait for a minute and try again.

For suggested firewall settings please see the table on the next page.



[www.clearswift.com](http://www.clearswift.com)

**Figure 4-1: Getting Started Guide**

The Getting Started Guide is available from the Clearswift Email or Web Online Help.