# McAfee®

Quick Start

McAfee® Firewall Enterprise, Multi-Firewall Edition (2150F VX)

This Quick Start explains the high-level steps for setting up the Firewall Enterprise, Multi-Firewall Edition (2150F VX). Refer to the *McAfee Firewall Enterprise, Multi-Firewall Edition (2150F VX) Product Guide* for detailed setup instructions.

1 ▶ Check your shipment

Make sure you received:

- 2150F VX appliance (models vary)
- Media and documentation:
  - Activation Certificates
  - Firewall Enterprise Virtual Appliance DVD
 - VMware ESXi 4.0 Installation CD
- Power cords
- Rack mount kit
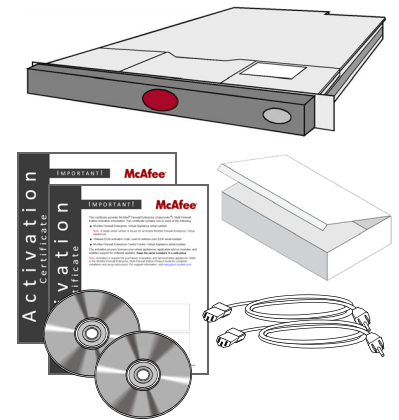
2 ▶ Gather materials

You must provide:

- Management system that meets these requirements:

OS	Windows XP Pro SP2 or later, or Windows Vista
CPU	Intel Pentium 4 (3.0 Ghz minimum)
Memory	2 GB recommended (1GB minimum)
Drives	300 MB of available disk space, DVD-ROM drive, and USB port
Display	1024 x 768 or higher
NIC	Access to network hosting your firewall

- VGA Monitor
- USB Keyboard, or USB to PS2 adapter
- Network cables (CAT 5 or higher)
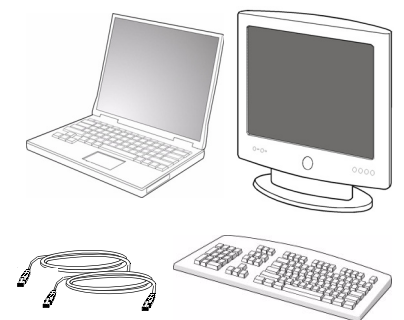
3 ▶ Plan your network configuration

Plan how your network will be arranged, noting the following:

- Each Firewall Enterprise *(Sidewinder®)*, Virtual Appliance can be connected to up to ten virtual switches.
- Each virtual switch can be connected to a physical adapter.
- Each virtual switch can be assigned one or more port groups.
- Virtual machines are connected to virtual switches using these port groups.

Note: See the Product Guide for a discussion of deployment scenarios.

Complete the remaining steps of this Quick Start based on your planned network configuration.

- If your configuration does not incorporate the Firewall Enterprise Control Center *(CommandCenter™)*, Virtual Appliance, complete step 4 through step 8.
- If you will be managing some or all of your virtual firewalls with the Firewall Enterprise Control Center, Virtual Appliance, complete step 4 through step 10.

4 ▶ Power on the appliance

Configure ESXi management settings

a. Connect the appliance to a power source, monitor, and keyboard.
b. Connect the Ethernet port **Gb 1** to the network from which you will manage ESXi on the 2150F VX appliance.
c. Turn on the appliance.

Ensure BIOS settings are optimized

a. Press **F2** to enter System Setup.
b. Under Processor Settings, set all settings to **Enabled**.
c. Under Integrated Devices, set **I/OAT DMA Engine** to **Enabled**.
d. Save the changes and exit.

5 ▶ Set up ESXi management

Configure ESXi management settings

When the status screen appears:

a. Press **F2** to enter the configuration menu.
b. Select **Configure Root Password,** and set your administrative password.
c. Select **Configure Management Network,** and configure the ESXi management network interface.

Install the ESXi management tools

Install the VMware Infrastructure Client on a Windows system in the private management network that you connected to the appliance.

a. In a web browser, navigate to the URL shown on the console of the 2150F VX appliance.
b. Click **Download VMware vSphere Client**.
c. When the download is complete, install the VMware vSphere Client.
   Note: On the Custom Setup window of the installation wizard, select **Install VMware vSphere Update Service**.
d. Start the VMware vSphere Client, and connect to the 2150F VX appliance.

6 ▸ Configure your virtual network

Create the virtual switches that the Firewall Enterprise, Virtual Appliances and the Firewall Enterprise Control Center, Virtual Appliance will connect to. For each virtual switch:

a. In the VMware vSphere Client, on the Configuration tab, click **Networking**, and then click the **Add Networking** link (beneath the Configuration tab). The Add Network Wizard appears.

b. Select **Virtual Machine** and click **Next**. The Network Access window appears.

c. Select or create the virtual switch that will handle network traffic for this connection, enable or disable network adapters as needed, then click **Next**. The Connection Settings window appears.

d. In the Port Group Properties area, enter a **Network Label**, then click **Next**. The Ready to Complete window appears.

e. Verify the virtual switches are configured correctly, then click **Finish**.

7 ▸ Configure each Firewall Enterprise, Virtual Appliance

For each Firewall Enterprise, Virtual Appliance in your virtual network:

a. In the VMware vSphere Client, select the virtual firewall.

b. On the Getting Started tab, click **Edit virtual machine settings**. The Virtual Machine Properties window appears.

c. Select **Network Adapter 1**. Map the network adapter to the desired Network Connection, and make sure the **Connect at power on** checkbox is selected. Click **OK**.

d. Repeat step **c** for Network Adapters 2-10 as needed.

e. On the Getting Started tab, click **Power on this virtual machine** to start the Firewall Enterprise, Virtual Appliance.

f. Select the **Console** tab. After startup is complete, the Quick Start Program appears.

g. Click anywhere inside the console window and press **Enter**.

h. Complete the Quick Start Program by entering the requested information.
Note: Do NOT auto-register your virtual firewalls to the Control Center at this time.

8 ▸ Install the Firewall Enterprise management software

Install the Firewall Enterprise Admin Console

a. Insert the *Firewall Enterprise Virtual Appliance DVD*.

b. In the *McAfee_Firewall_Enterprise_70102_OVF_Virtual_Appliance.zip* file, double-click the *Admin_Tools_70102_Setup.exe* file. The Welcome window appears.

c. Follow the on-screen instructions to complete the installation. Use the default settings.

You can now start managing your virtual firewalls. Refer to the *McAfee Firewall Enterprise (Sidewinder) Setup Guide* for post-setup tasks.

Install the Control Center Client Suite

If you will be managing some or all of your virtual firewalls with the Control Center:

a. Insert the *Firewall Enterprise Virtual Appliance DVD*.

b. In the *McAfee_Firewall_Enterprise_Control_Center_40004_OVF_Virtual_Appliance.zip*, double-click the *setup.exe* file. The Welcome window appears.

c. Follow the on-screen instructions to complete the installation. Use the default settings.

9 ▶ Configure the Control Center

a. In the VMware vSphere Client, select the Control Center.

b. On the Getting Started tab, click **Edit virtual machine settings**. The Virtual Machine Properties window appears.

c. Select **Network Adapter 1**. Map the network adapter to the desired Network Connection, and make sure the **Connect at power on** checkbox is selected. Click **OK**.

d. On the Getting Started tab, click **Power on this virtual machine**.

e. Select the **Console** tab. A `Configuration file not found` message appears.

f. Click anywhere inside the console window, then press **m** to configure the Control Center manually.

g. Complete the initial configuration process by entering the requested information.

10 ▶ Enable Control Center management

Register your virtual firewalls with the Control Center

For each virtual firewall in your virtual network:

a. Using the McAfee Firewall Enterprise Admin Console, connect to the virtual firewall.

b. Select **Maintenance > Control Center Registration**.

c. Specify the host name and IP address of the Control Center.

d. Click **Register with the Control Center Now**. An authentication window appears.

e. Enter the Control Center administrator username and password, then click **OK**.

Add your virtual firewalls to the Control Center

a. Using the Control Center Configuration Tool, connect to the Control Center.

b. Right-click **Firewalls**, then select **Add Object**.

c. Right-click anywhere on the Retrieval Items tab, then select **Unselect All.**

d. Click **OK**. The Control Center attempts to connect to the firewall.

e. Verify communication between the firewall or cluster and the Management Server. From the Reports menu, select **Firewall Status** and verify that a green light appears next to the firewall.

f. After a connection has been established, expand the **Firewalls** node.

g. Retrieve the necessary objects:

    i. Right-click the firewall that you added, then select **Retrieve Firewall Objects**. The Firewall Retrieval Options window appears.

    ii. Right-click anywhere in the Retrieval Item Description column heading, then select **Select All.**

    iii. Click **OK**. A system update message appears.

    iv. Click **Yes**. The Control Center initiates a connection with the firewall and retrieves the selected items.

For additional information, refer to the following documents:

- *McAfee Firewall Enterprise, Multi-Firewall Edition (2150F VX) Product Guide*
- *McAfee Firewall Enterprise (Sidewinder) Administration Guide*
- *McAfee Firewall Enterprise Control Center (CommandCenter) Administration Guide.*

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