

# Getting Started with F-Secure Client Security



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# 1 INTRODUCTION

This guide describes how to get started with F-Secure Client Security. Installation instructions are included for the following:

- F-Secure Client Security
- F-Secure Policy Manager

For detailed installation, use and product instructions, see the applicable F-Secure product manuals included on the F-Secure CD. You can access them from the CD menu by clicking **Manuals**, or you can go to our website for the most recent manuals in PDF format. The direct link to the manuals is [http://www.f-secure.com/small\\_businesses/support\\_and\\_services/manuals.html](http://www.f-secure.com/small_businesses/support_and_services/manuals.html).

For printing any manuals from either the CD or the website, you must have Adobe Acrobat 4<sup>®</sup> or a later version installed. Adobe Acrobat<sup>®</sup> is available on your CD.

## 2 F-SECURE CLIENT SECURITY

This chapter describes how to install F-Secure Client Security on corporate computers. The following are explained:

- System Requirements
- Remote and local installation options for corporate computers



*For more detailed information, see the F-Secure Client Security Administrator's guide and online help. The guide is available on the CD, and the online help is installed with the product.*



*You can open the online help by pressing F1 or clicking **Help** in any window or dialog in F-Secure Client Security.*

## 2.1 System Requirements

Your computer must meet these requirements to run F-Secure Client Security:

<i>Processor:</i>	<i>On Windows Vista: Capable of running Windows Vista 32- or 64-bit (Intel Pentium 4 2 GHz or higher recommended) On Windows XP/2000: Intel Pentium III 600 Mhz or higher (Intel Pentium III 1 GHz or higher recommended)</i>
<i>Operating system:</i>	<i>Windows Vista RTM editions Windows XP Professional or Home Edition (SP 2 required for full functionality) Windows 2000 Workstation with Service Pack 4</i>
<i>Memory:</i>	<i>On Windows Vista: 512 MB of RAM (1 GB or more recommended) On Windows XP/2000: 256 MB of RAM (512 MB of RAM or more recommended)</i>
<i>Free hard disk space:</i>	<i>200 MB (300 MB recommended)</i>
<i>Other:</i>	<i>Internet connection recommended</i>

## 2.2 Installation Options

F-Secure Client Security can be installed in the following ways:

- Stand-Alone Installation
- Remote Installation with F-Secure Policy Manager
- Local Installation and F-Secure Policy Manager



*For detailed instructions, see the F-Secure Client Security Administrator's Guide available on the CD and on our website at [http://www.f-secure.com/small\\_businesses/support\\_and\\_services/manuals.html](http://www.f-secure.com/small_businesses/support_and_services/manuals.html).*

### 2.2.1 Stand-Alone Installation

F-Secure Client Security can be installed individually on each workstation. This method is recommended for small networks with 2-5 workstations.

**Step 1 - Uninstall any other antivirus programs on your computer**

1. Uninstall any other antivirus programs on your computer as follows:
  - a. Click **Start**→**Settings**→**Control Panel**→**Add or Remove Programs**.
  - b. Click the programs you want to remove.
  - c. Click **Remove** (or **Change/Remove**).
2. The programs may have several related components. Repeat steps b and c to uninstall all. (Related components have the same product name.)
3. Restart your computer.

For uninstalling other antivirus programs, refer to their user documentation, or refer to your operating system user documentation.

**Step 2 - Install F-Secure Client Security:**

1. Insert the F-Secure Workstation & Server Security CD in the CD-ROM drive.
2. Select the installation language.
3. Click **F-Secure Client Security** listed under Anti-Virus.
4. Read the Welcome screen and select the language in which you want to install F-Secure Client Security. Click **Next**.
5. Read the *License Agreement* text carefully, select **I accept this agreement** and click **Next**.



*If you select **I reject this agreement**, you cannot install the product.*

6. Enter the keycode you received with your product, and click **Next**.
7. Select the type of installation:
  - If you select **Typical**, F-Secure Client Security is installed in the default directory, *C:\Program Files\F-Secure*, with Virus & Spy Protection, Automatic Update Agent, Internet Shield, E-mail Scanning and Web Traffic Scanning enabled.
  - If you select **Custom**, you can choose what to install and where.

8. Click **Next**.
9. If you selected Typical installation, go to step 11. If you selected Custom installation, select the components to install and then click **Next**:
  - **Virus & Spy Protection** to enable the real-time virus protection and scanning for spyware
  - **Internet Shield** to install the integrated firewall
  - **E-mail Scanning** to have all your inbound and outbound e-mails scanned for viruses
  - **Web Traffic Scanning** to protect your computer against viruses in HTTP traffic.
  - **System Control** to protect your computer against unknown malware and unwanted system changes.
  - **SNMP Support** to enable the protection of your computer to be managed using the Simple Network Management Protocol (SNMP).
  - **Cisco NAC Support** to enable the integration of Cisco Network Admission Control (NAC) with the product.
10. Choose the folder where you want to install F-Secure Client Security and click **Next**.



*We recommend choosing the default location, C:\Program Files\F-Secure.*

11. Select **Locally managed stand-alone installation** and click **Next**.
12. Verify the list of components, and click **Start** to start the installation. When the installation is finished, click **Next** to continue.

13. Restart your computer, if you are prompted to do that, by selecting **Restart now** and click **Finish**.
14. After restarting the computer, if prompted, update the virus definition databases as soon as you are connected to the network.

### 2.2.2 Remote Installation with F-Secure Policy Manager

Remote installation with F-Secure Policy Manager is recommended for networks with more than 5 workstations. If you are not familiar with F-Secure Policy Manager, see the *F-Secure Policy Manager Administrator's Guide* available on the CD.



*F-Secure Policy Manager has two user interfaces: Advanced Mode and Anti-Virus Mode. You should use Anti-Virus Mode with F-Secure Client Security. After you have installed F-Secure Policy Manager, open the View menu and select Anti-Virus Mode.*

**Step 1 - Uninstall any other antivirus programs on the workstation where F-Secure Client Security is installed**

1. Uninstall any other antivirus programs on the workstation as follows:
  - a. Click **Start**→**Settings**→**Control Panel**→**Add or Remove Programs**.
  - b. Click the programs you want to remove.
  - c. Click **Remove** (or **Change/Remove**).
2. The programs may have several related components. Repeat steps b and c to uninstall all. (Related components have the same product name.)
3. Restart your computer.

For uninstalling other antivirus programs, refer to their user documentation, or refer to your operating system user documentation.

**Step 2 - Install F-Secure Policy Manager**

1. Install F-Secure Policy Manager.



*For installation instructions, see chapter Installing F-Secure Policy Manager in F-Secure Client Security Administrator's Guide.*

2. Create the policy domain structure.



*For instructions, see chapter Creating the Domain Structure in F-Secure Client Security Administrator's Guide.*

**Step 3 - Install F-Secure Client Security remotely**

The following steps are a general guideline for remote installation:

1. Use 'Autodiscover Windows Hosts' operation to install F-Secure Client Security to the workstations. F-Secure Policy

Manager Console will use a Remote Installation Wizard to configure the F-Secure Client Security installation.



*For instructions, see chapter Adding Hosts in F-Secure Client Security Administrator's Guide.*

2. Add new workstations to a suitable policy domain when the installation is complete.
3. Configure the F-Secure Client Security settings for the workstations. The domain level settings are shared by all workstations in the policy domain.



*For instructions, see chapters Configuring Virus & Spy Protection and Configuring Internet Shield in F-Secure Client Security Administrator's Guide.*

4. Distribute the policies. The managed workstations will receive the updated policy the next time they connect to the server.

### 2.2.3 Local Installation and F-Secure Policy Manager

Local installation is recommended if you need to install F-Secure Client Security locally on a workstation that is otherwise centrally managed by F-Secure Policy Manager. You must have F-Secure Policy Manager already installed before you can continue with the installation.

**Step 1 - Uninstall any other antivirus programs on your computer**

1. Uninstall any other antivirus programs on your computer as follows:
  - a. Click **Start**→**Settings**→**Control Panel**→**Add or Remove Programs**.
  - b. Click the programs you want to remove.
  - c. Click **Remove** (or **Change/Remove**).
2. The programs may have several related components. Repeat steps b and c to uninstall all. (Related components have the same product name.)
3. Restart your computer.

For uninstalling other antivirus programs, refer to their user documentation, or refer to your operating system user documentation.

## Step 2 - Install F-Secure Client Security

1. Insert the F-Secure Workstation & Server Security CD in the CD-ROM drive.
2. Select the installation language.
3. Click **F-Secure Client Security** listed under Anti-Virus.
4. Read the Welcome screen and select the language in which you want to install F-Secure Client Security. Click **Next**.
5. Read the *License Agreement* text carefully, select **I accept this agreement** and click **Next**.



*If you select **I reject this agreement**, you cannot install the product.*

6. Enter the keycode you received with your product, and click **Next**.
7. Select the type of installation:
  - If you select **Typical**, F-Secure Client Security is installed in the default directory, *C:\Program Files\F-Secure*, with Virus & Spy Protection, Automatic Update Agent, Internet Shield, E-mail Scanning and Web Traffic Scanning enabled.
  - If you select **Custom**, you can choose what to install and where.
8. Click **Next**.

9. If you selected Typical installation, go to step 11. If you selected Custom installation, select the components to install and then click **Next**:
  - **Virus & Spy Protection** to enable the real-time virus protection and scanning for spyware
  - **Internet Shield** to install the integrated firewall
  - **E-mail Scanning** to have all your inbound and outbound e-mails scanned for viruses
  - **Web Traffic Scanning** to protect your computer against viruses in HTTP traffic.
  - **System Control** to protect your computer against unknown malware and unwanted system changes.
  - **SNMP Support** to enable the protection of your computer to be managed using the Simple Network Management Protocol (SNMP).
  - **Cisco NAC Support** to enable the integration of Cisco Network Admission Control (NAC) with the product.
10. Choose the folder where you want to install F-Secure Client Security and click **Next**.



*We recommend choosing the default location, C:\Program Files\F-Secure.*

11. Select **Central management with F-Secure Policy Manager**, and click **Next**.
12. Enter the path to the public Management Key that you created during the F-Secure Policy Manager Console setup. Click the **Browse** button to search for the key.
13. Enter the http address of the F-Secure Policy Manager Server. Click **Next**.

14. Verify the list of components, and click **Start** to start the installation. When the installation is finished, click **Next** to continue.
15. Restart your computer, if you are prompted to do that, by selecting **Restart now** and click **Finish**.

**Step 3 - Configure the product using F-Secure Policy Manager Console:**

1. Add a new workstation to a suitable policy domain using the 'Import Autoregistered Hosts' operation.
2. Configure the F-Secure Client Security settings for the workstation. The domain level settings are shared by all workstations in the policy domain.
3. Distribute the policies. The managed workstation will receive the updated policy the next time it connects to the server.

# 3 F-SECURE POLICY MANAGER

This chapter is a quick reference for installing F-Secure Policy Manager from the F-Secure Workstation & Server Security CD. The following are explained:

- System requirements
- User interface modes
- Installation steps for installing all F-Secure Policy Manager components on a single computer.
- Remote deployment of F-Secure products to corporate computers.



*For more detailed information and alternate set-ups, see the F-Secure Policy Manager Administrator's Guide.*

*For information on installing F-Secure Policy Manager on Linux, see chapter F-Secure Policy Manager on Linux in F-Secure Policy Manager Administrator's Guide.*

*For more information on F-Secure Policy Manager Web Reporting, see chapter Web Reporting in F-Secure Policy Manager Administrator's Guide.*

*For more information on F-Secure Client Security, see the F-Secure Client Security Administrator's guide.*

*These guides are available on your F-Secure product CD, or from [http://www.f-secure.com/small\\_businesses/support\\_and\\_services/manuals.html](http://www.f-secure.com/small_businesses/support_and_services/manuals.html).*

### 3.1 System Requirements

#### F-Secure Policy Manager Server

Operating System:	<p>Microsoft Windows:          Microsoft Windows 2000 Server (SP 4 or higher)          Windows 2003 Server (32- and 64-bit, SP1 or higher)          Windows 2008 Server (32- and 64-bit)</p> <p>Linux:          Red Hat Enterprise Linux 3, 4 and 5          openSUSE Linux 10.3          SUSE Linux Enterprise Server 9 and 10          SUSE Linux Enterprise Desktop 10          Debian GNU Linux Etch 4.0          Ubuntu 8.04 Hardy</p>
Processor:	<p>Intel Pentium 4, 2 GHz processor or faster.          Managing more than 5000 hosts or using Web Reporting requires Intel Pentium 4, 3 GHz level processor or faster.</p>
Memory:	<p>256 MB of RAM. 512 MB is recommended.          Managing more than 5000 hosts or using Web Reporting requires 1 GB of RAM.</p>
Disk space:	<p>1 GB of free hard disk space; 5 GB or more is recommended. The disk space requirements depend on the size of the installation. Allocate about 1 MB per host for alerts and policies. The actual disk space consumption per host depends on how the policies are used and how many installation packages are stored.</p>
Network:	<p>10 Mbit network. Managing more than 5000 hosts requires a 100 Mbit network.</p>



*For information on installing F-Secure Policy Manager on Linux, see chapter F-Secure Policy Manager on Linux in F-Secure Policy Manager Administrator's Guide.*

<b>F-Secure Policy Manager Console</b>	
Operating system:	<p>Microsoft Windows:</p> <p>Microsoft Windows 2000 Professional (SP4 or higher)</p> <p>Windows XP Professional (SP2 or higher)</p> <p>Windows Vista (32- and 64-bit)</p> <p>Windows 2000 Server SP4</p> <p>Windows 2003 Server (32- and 64-bit, SP1 or higher).</p> <p>Windows 2008 Server (32- and 64-bit).</p> <p>Linux:</p> <p>Red Hat Enterprise Linux 3, 4 and 5</p> <p>openSUSE Linux 10.3</p> <p>SUSE Linux Enterprise Server 9 and 10</p> <p>SUSE Linux Enterprise Desktop 10</p> <p>Debian GNU Linux Etch 4.0</p> <p>Ubuntu 8.04 Hardy</p>
Processor:	<p>Intel Pentium 4, 2 GHz processor or faster.</p> <p>Managing more than 5000 hosts requires Pentium 4, 3 GHz processor or faster</p>
Memory:	<p>512 MB of RAM. Managing more than 5000 hosts requires 1 GB of memory</p>
Disk space:	<p>100 MB of free hard disk space</p>

<b>F-Secure Policy Manager Console</b>	
Display resolution:	Minimum 256-color display with resolution of 1024x768, (32-bit color with 1280x960 or higher resolution recommended).
Other:	Ethernet network interface or equivalent. 10 Mbit network between console and server is recommended. Managing more than 5000 hosts requires 100Mbit connection between console and server.

## 3.2 User Interfaces

F-Secure Policy Manager has two user interfaces:

- Anti-Virus Mode
- Advanced Mode

Use the Anti-Virus Mode user interface for managing F-Secure Client Security, and Advanced Mode for managing all other F-Secure products. You can select the user interface from the **View** menu in F-Secure Policy Manager Console.

## 3.3 Installation Instructions

You can install F-Secure Policy Manager components, F-Secure Policy Manager Server and F-Secure Policy Manager Console, on the same computer, or on separate dedicated computers. In these instructions, F-Secure Policy Manager Server and F-Secure Policy Manager Console will be installed on the same computer.




*For instructions on installing F-Secure Policy Manager Server and F-Secure Policy Manager Console on separate computers, see the F-Secure Policy Manager Administrator's Guide.*

To install F-Secure Policy Manager Server, you need physical access to the server machine.


**To install F-Secure Policy Manager:**

1. Insert the F-Secure CD in your CD-ROM drive.
2. From the **Management** menu, select **F-Secure Policy Manager** to start the setup.
3. Read the welcome screen, and select the installation language. Click **Next**.
4. Read the *License Agreement* text. Select **I accept this agreement**, and click **Next**.
5. If there is no previous F-Secure Policy Manager installation on the computer, select the components to be installed:
  - F-Secure Policy Manager Console
  - F-Secure Policy Manager Server
6. Accept the default installation directory (recommended). If you want to install the components in another directory, click **Browse** and enter your desired directory.
7. If Setup does not detect a previous F-Secure Policy Manager installation, you are requested to confirm if a previous installation of F-Secure Policy Manager exists.
  - If **Yes**, select **I have existing an F-Secure Policy Manager installation**. Enter the communication directory path of the installed F-Secure Policy Manager.
  - If **No**, select **I do not have an existing F-Secure Policy Manager**.

8. Select whether you want to keep the existing settings or change them.

 *This dialog is displayed only if a previous installation of F-Secure Policy Manager Server was detected on the computer.*

- By default the setup keeps the existing settings. Select this option if you have manually updated the F-Secure Policy Manager Server configuration file (*HTTPD.conf*). This option automatically keeps the existing administration, host and web reporting ports.
  - If you want to change the ports from the previous installation, select the *Change settings* option. This option overwrites the *HTTPD.conf* file, and restores the settings to defaults.
9. Select the F-Secure Policy Manager Server modules to enable:
    - Host module is used for communication with the hosts. The default port is 80.
    - Administration module is used for communication with F-Secure Policy Manager Console. The default HTTP port is 8080.

 *If you want to change the default port for communication, you will also need to change the HTTP Port Number setting in F-Secure Policy Manager Console.*

By default the access to the Administration module is restricted to the local machine. This is the most secure way to use the product.

When using a connection over a network, please consider using a program that uses tunneling to secure the connection, such as Secure Shell (SSH) or a Virtual Private Network (VPN).



*For environments requiring maximum security, see section [Installing F-Secure Policy Manager in High Security Environments in F-Secure Policy Manager Administrator's Guide](#)*

- Web Reporting module is used for communication with F-Secure Policy Manager Web Reporting. Web Reporting uses a local socket connection to the Admin module to fetch server data. The default port is 8081.

By default access to Web Reports is allowed also from other computers. If you want to allow access only from this computer, select *Restrict access to the local machine*.

10. Specify the F-Secure Policy Manager Server address, and Administration port number. Click **Next** to continue.



*Depending on the installation method, the server address and port number are not always required.*

11. Select to add product installation package(s) from the list of available packages (if you selected F-Secure Installation Packages in step 5 ).
12. Setup displays the components that will be installed. Click **Next** to start the installation.
13. After setup has copied the files to your computer, click **Finish** to complete the setup.
  - To determine if your server-side installation was successful, open a web browser in the machine where F-Secure Policy Manager Server was installed, enter <http://localhost> and press **Enter**. If the server installation

was successful, a page will be displayed stating that F-Secure Policy Manager Server installation was successful.

- Run F-Secure Policy Manager Console Setup Wizard.

14. The setup wizard creates the user group FSPM users. The user who was logged in and ran the installer is automatically added to this group. To allow another user to run F-Secure Policy Manager you must manually add this user to the user group FSPM users

Continue to the [“F-Secure Policy Manager Console Setup Wizard”](#) section.

### F-Secure Policy Manager Console Setup Wizard

1. Read the setup wizard overview that summarizes the installation process.
2. Select **Administrator mode** to enable all administrator features.
3. Enter the path where the administrator’s public key and private key files will be stored. By default, key files are stored in the *F-Secure Policy Manager Console* installation directory.



*If the key-pair does not exist already, it will be created later in the setup process.*

4. Move your mouse cursor around in the window to initialize the random seed used by the management key-pair generator.

When the progress indicator has reached 100%, the **Passphrase** dialog box opens automatically.

5. Enter a passphrase for F-Secure Policy Manager Console (this will be needed for logging into F-Secure Policy Manager Console).
6. Click **Finish** to complete the setup process. Your key-pair will now be created.


### Remote Deployment of Other F-Secure Products

F-Secure Policy Manager can install software to new hosts that are not yet centrally managed. These hosts can be browsed from Windows NT domains using the Autodiscover Windows Hosts feature. The software is then push installed to the managed hosts.

F-Secure Policy Manager offers other methods of installing and updating managed applications. Shortcuts to all the installation-related features are gathered in the Properties pane under the Installation tab. Please see the *F-Secure Policy Manager Administrator's Guide* for details.

#### The following steps are for both the Advanced Mode and Anti-Virus Mode user interface:

1. In F-Secure Policy Manager, select the policy domain containing the hosts to which you will install.
2. Open the **Edit** menu and select **Autodiscover Windows**

**Hosts** (alternatively, click the  button). From the *NT*

*Domains* list that opens, select one of the domains and click **Refresh**. Select the hosts to be imported and click **Install**.

3. After you have selected the target hosts, select the installation package.
4. Select the products to install. You can choose to force reinstallation if applications with the same version number already exist.
5. Choose to accept the default policy, or specify which host or domain policy should be used as an anonymous policy.
6. Choose the user account and password used to perform the push installation.
7. Review the installation summary. To start the Remote Installation Wizard, click **Start**.
8. F-Secure Policy Manager installs the selected products on the hosts.
9. When the Status line displays finished, the process is complete. You can select in which domain the new hosts should be placed using the import settings. Click **Finish**.
10. When the installation is finished;
  - In *Advanced Mode*, open the F-Secure Policy Manager Console Properties pane to view the list of products that were installed. To see this list, you must first select the top domain in the Policy Domain pane.
  - In *Anti-Virus Mode*, click the F-Secure Policy Manager Console **Status** tab to view the list of products that were installed.



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