

# Getting Started

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For fast and accurate help, please have the following ready when you contact McAfee:

- Program name and version number
- Type and brand of your computer, hard drive, and any peripherals
- DOS type and version
- Network name, operating system, and version
- Contents of your AUTOEXEC.BAT, CONFIG.SYS, and system LOGIN script
- Specific steps to reproduce the problem.

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# Introducing Me!


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Me! integrates McAfee's award-winning anti-virus software with its enterprise software distribution software to provide an easily updated network solution for protecting your users' workstations from viruses. Me! lets you centrally manage your network and end-user security. With Me!, you can update users' workstations with McAfee's complete suite of anti-virus products for Windows NT, Windows 95, Windows 3.1x, and DOS workstations. By using these predefined distribution packages, you can automate time-consuming enterprise-wide software distribution and reduce the cost of managing your Windows NT, Novell NetWare (NDS and Bindery), or mixed NetWare/NT network.

In addition, Me! integrates with McAfee's VirusScan Security Suite and the McAfee ServiceDesk (MSD) suite. You can access each suite and their applications from within the Me! console.

Me! illustrates the distribution capabilities included in Zero Administration Client (ZAC) Suite, McAfee's award-winning network management solution. For more information on other McAfee products, visit McAfee's World Wide Web site at **[www.mcafee.com](http://www.mcafee.com)**.

This chapter introduces Me! and provides references to more detailed procedures and documentation of its features and use.

 *For more instructions on using Me! online documentation, see [Chapter 5](#), "Accessing the Online Manuals."*

## Me! Modules

Me! contains the following modules:

- Software Distribution
- Reporting and charting

In addition, Me! contains the following integration options:


- NetShield Integration
- WebView (Internet Access)

The following sections describe each in detail.

## Software distribution

Software distribution reduces the cost of enterprise-wide software installations and updates. Me!'s software distribution stands apart from other software distribution tools by offering Windows 95 and Windows NT compatibility, powerful server-to-server distribution capabilities, and the ability to work with mixed network operating systems. With Me!'s software distribution, you can:

- Distribute packages to all machines (user workstations and network servers) that log in to a server running the Distribution NLM or NT Service by using the 'Distribute to all workstations on all servers' recipient feature.

 *Depending on how many servers your users log in to, users may receive more than one copy of a package. Therefore, only enable the 'Distribute to all workstations on all servers' feature from a single server to prevent users from receiving multiple package copies. If you wish to manage distribution from a single server, but have multiple login servers distributing to your end users, you should install a "full" installation of Me! on one server, and install "remote" installations on all the other servers in your enterprise where users login and process their logon scripts. That way, your "full" installation of Me! will constantly keep your other "remote" installations up to date with the latest and greatest releases from McAfee.*

- Automate software installations without leaving your desk.
- Tailor specific delivery and distribution options to your network and users.

With Me!, you can distribute these predefined McAfee anti-virus and network management software packages:

- VirusScan 95
- VirusScan for DOS
- VirusScan NT
- NetShield NT
- VirusScan for Windows 3.x

- VirusScan PM for DOS
- WebScanX

With these predefined packages Me! determines installation requirements installs the anti-virus products on each user's workstation. When a package is delivered to an end user over the network, Me! runs a silent installation for each anti-virus product.

## Me! Application Integration

Me! provides an integrated console for all of McAfee's network and security management products. The user interface provided by the Me! console displays the Me! product suite structure within the tree portion of its explorer interface. Nestings of suites within suites, such as NetShield Security Suite within the Total Virus Defense Suite are shown.

The following types of applications integrate directly into the Me! console:

- Applications that execute externally (for example, VirusScan).
- Applications or features that are tightly integrated into the Me! console (for example, Software Distribution)
- Applications that are managed via internet browsers (for example, McAfee's WebShield, WebWall, and SupportWeb).

While the complete Me! suite of products is displayed in the tree, unless you have McAfee Service Desk installed as well, this latter portion of the tree will be for informational purposes only.

## Your Main Steps


Follow the procedure below to take advantage of all Me! features.

1. Determine your system requirements.

Refer to ["System Requirements" on page 9](#).

2. Install Me! on your network.

Refer to [“Performing the Installation” on page 11.](#)

 *Note that you do not need to uninstall a previous installation of Zero Administration Client (McAfee’s Network Management Suite). The databases cannot be interchanged between versions. To continue using your previous databases, see Step 1 on [page 11.](#)*

**3.** Configure your network servers.

- If you have NT servers, refer to [“Configuring Your Windows NT Servers” on page 19.](#)
- If you have NetWare servers, refer to [“Configuring Your Novell NetWare Servers” on page 23.](#)

**4.** Update the network for software distribution.

Refer to [“Updating Network Workstations for Distribution” on page 24.](#)

**5.** Launch the Me! Console.

Refer to [Appendix A, “The Me! Console.”](#)

**6.** Use Me!Me!’s security and desktop management features.

If you want to...	See...
Distribute McAfee anti-virus software across your network	<a href="#">“Distributing Predefined Packages” on page 27</a>
Scan your network NT servers for viruses through the Console using McAfee’s NetShield	<a href="#">“Where To Go From Here” on page 34</a>



## System Requirements

Before you install Me!, be sure you are logged in to the network as Administrator (or equivalent) on Windows NT or Supervisor (or equivalent) on NetWare. Then, review the basic requirements for installing and running Me!. You need to have the following:

- An Administrative Workstation


*and at least one of the following:*

- A Microsoft Windows NT 3.51 or later server
- A Novell NetWare 3.x or 4.1 server.

The following sections describes each in detail.

### An Administrative Workstation

- Windows 95 or Windows NT 4.0
- 486DX required, Pentium 60MHz or greater recommended
- 20 MB RAM required, 32 MB recommended.

 *Twelve megabytes of temporary disk space are required for the installation to run. This space will be cleared after the installation is completed.*

## A Microsoft Windows NT 3.51 or later server

- Pentium 60MHz or greater required
- 80 MB disk space required, 160 MB recommended
- 32 MB RAM required, 64 MB recommended.

In addition, Service Pack 3 (or later) is required for Windows NT 3.51 file servers. To download this file, visit: **www.microsoft.com**, Microsoft's home page.

This file is a self-extracting executable. After expanding, run the UPDATE.EXE program.

## A Novell NetWare 3.x server

- 486DX required, Pentium 60MHz or greater recommended
- 80 MB disk space required, 160 MB recommended
- 20 MB RAM required, 32 MB recommended.

In addition, the following files are required:


- CLIB 3.12g or higher
- LSLENH.NLM v1.01 or higher
- PATCHMAN.NLM v2.3 or higher
- MSM.NLM v2.2 or higher.
- A support module that corresponds to your particular network topology, e.g.:
  - ETHERTSM.NLM for Ethernet networks
  - TOKENTSM.NLM for Token Ring networks
  - Latest LAN drivers (\*.LAN).

You can find the latest versions of these files on CompuServe or visit **www.novell.com**, Novell's home page. These files are self-extracting executables.

After expanding, copy the contents in to the SYS:SYSTEM directory and run UPGRADE, which will automatically install the appropriate files on your server. Down the server and then restart it.

## A Novell NetWare 4.1 server

- 486DX required, Pentium 60MHz or greater recommended
- 80 MB disk space required, 160 MB recommended
- 20 MB RAM required, 32 MB recommended.

 *The following requirements are only needed if you install the Software Distribution module to a Novell NetWare 4.1 file server.*

Novell 4.1 file servers should be running the NLMs provided with LIBUP9.EXE. This new module is available on CompuServe or at **www.novell.com**, Novell's home page.

After expanding, copy the contents in to the SYS:SYSTEM directory and run UPGRADE, which will automatically install the appropriate files on your server. Down the server and then restart it.


## Before you install

Before you install, be sure to:

- Verify that the appropriate network client software is installed by checking the network settings in the Control Panel.
- Map a share (Windows NT) or a drive (Novell NetWare) to the area on your network where you will be installing McAfee Enterprise.

## Performing the Installation

### 1. Start the installation.

 *Note that while the software distribution feature of Me! finds its technical roots in previous releases of ZAC (or Saber LAN Workstation), the software has changed dramatically and no upgrade path is provided. The databases cannot be copied between versions. To continue using your previous databases and installation, install the new software in a different directory and refrain from using the same management console for both. The next full release of ZAC will provide an upgrade path from the previous releases and will include this new software distribution capability.*

**A.** Log in to the network from a Windows 95 or Windows NT 4.0 workstation.

**B.** Do one of the following:

- If you're installing from the CD or diskettes, insert the CD or the first diskette.

or

- If you're installing from files downloaded from the McAfee web site, decompress the zipped files into a directory on the network or your local drive.

**C.** In the Windows Explorer, double-click the SETUP.EXE program or run one of the following commands from the Windows command line:

- If you're installing from the CD or diskettes, enter the following:

```
x: \SETUP
```

where *x* is the drive that contains the CD or diskette.

or

- If you're installing from files you downloaded from the McAfee Web site, enter the following:

```
x: \path\SETUP
```

where *x:\path* is the drive and directory where you decompressed the files.

The Me! splash screen is displayed.

**D.** Review the information and click Next to begin the installation.

The Me! installation setup dialog is displayed.

## **2. Select the type of installation.**

Depending on what you want to install, choose one of the following installation types:

- **Full Installation.** Use this option to install the server and workstation components. If you select this option, you can deselect components later during the installation. A Full Installation of Me! can be used to centrally manage multiple Remote Installations, as described below.
- **Remote Installation.** Use this option to configure additional servers for *Distribution* without installing the workstation components. Refer to your online *Automating Software Distribution* manual for further details. Remote installations should be conducted on all servers where end users login to ensure distribution of McAfee products to all your users. Remote installations do not contain predefined packages—they receive all their updates from a Full Installation. Any updates you make to your Full Installation of Me! are then automatically delivered to all your Remote Installations.
- **Administrator Workstation.** Use this option to install only the workstation components necessary to configure the current machine as an additional Administrator Workstation where you can run the Me! Console. You can configure several network workstations as administrative workstations, however, each workstation's Console will display the same components as those initially installed.

When you choose an installation type, the User Information dialog is displayed.

### 3. Enter personal information.

On the User Information dialog, enter your name and company name and click Next.

The Specify Destination Directory dialog is displayed.

### 4. Select the server and installation destination.

- A. Accept the default installation destination or do one of the following to select a different location:
  - Enter the path where you want Me! installed.
- or
- Click Browse to select the drive and directory where you want Me! installed.

**B.** Click Next and one of the following dialogs is displayed:

- If the Me! installer can't determine the type of server to which you are installing, the Me! Setup dialog is displayed. Go to Step 5.

or

- If the Me! installer can determine the type of server to which you are installing, the Select Components dialog is displayed. Go to Step 6.

## **5. Select the destination server type if prompted.**


- A.** Select the type of server to which you are installing: Windows NT, NetWare 3.x, or NetWare 4.x. Click Next. This dialog will only be displayed if Me! Setup was unable to determine the target server type.

The Select Components dialog is displayed.

## **6. Select the Me! components you want to install.**


- A.** Select the components you want to install. By default, all components corresponding to the installation type you chose are selected. If you do *not* want to install a component, click on the check box to deactivate it.

- Software Distribution
- Custom Reporting and Charting (Crystal Reports)
- Online Documentation

 *You will only see the following option if you selected Remote Installation in Step 2.*

- SiteExpress Distribution Server

The space required for the selected components is displayed at the bottom of the dialog.

 *Each administrative workstation will see the same components installed on the target server. For example, once you have installed the components and you later configure them on Administrative Workstation A, Administrative Workstation B will see the same components.*

**B.** Click Next to display one of the following dialogs:

- If you are installing to a NetWare server, the Me! dialog is displayed.

**Action:** If you do not want the product NLMs to load at server startup and you want to manually load the product NLMs, deselect the 'Edit AUTOEXEC.NCF to auto-load Me! NLMs' check box and click Next. The Select Program Folder dialog is displayed.

- If you are installing to an NT server, the Select Program Folder dialog is displayed.

## 7. Select a program folder.

The 'Program Folders' text box displays the name of the folder to which the Me! program icons will be added. You can change the folder name by entering a new name or by selecting a different folder from the 'Existing Folders' list.

Select a folder and click Next to continue.

## 8. Review your selections and install the selected components.

Review the selections displayed. Then do one of the following:

- Click Back to return to a previous dialog and make changes.

or


- Click Next to begin installing the product.

When you click Next, McAfee Enterprise is installed.

## 9. View release notes.

Specify whether you want to view the ReadMe file and then click Finish to exit the installer.

If you selected 'View the README file now', the release notes are displayed. The file name of the release notes is READ1ST.WRI.

 *If you are installing to a local NT server, the Me! NT Service installation program (SVCSETUP) will launch automatically. From this installation program, you can select which NT Services you want to install and start on the local NT server. This installation program can be rerun at a later time, for more information, refer to [“Installing the Me! NT Services” on page 20.](#)*

## 10. Restart Windows.

To complete the installation and update your administrative workstation, McAfee recommends that you restart Windows at this time. If you elect not to restart Windows, the Me! console may not function properly.

## Where to Go from Here

Congratulations! You’ve installed and set up Me! to run on your administrator’s workstation. Before you can begin using extensive features on your network, you must configure your network servers and workstations to run the different modules. For complete instructions on preparing your network for Me!, refer to [Chapter 3, “Configuring Your Network.”](#)



# 3

## Configuring Your Network

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### Overview



Now that you have successfully installed Me!, you are ready to configure your network to distribute the anti-virus packages and to prepare your network workstations to receive these packages. Refer to the table below for a list of configuration procedures and applicable sections.


To...	See
Determine necessary permissions (NT) and rights (NetWare) for you and your network users	<a href="#">“Granting Permissions and Rights” on page 18</a>
Install and start the Me! NT Services	<a href="#">“Configuring Your Windows NT Servers” on page 19</a>
Load the Me! NLMs	<a href="#">“Configuring Your Novell NetWare Servers” on page 23</a>
Update workstations for Distribution	<a href="#">“Updating Network Workstations for Distribution” on page 24</a>
Determine which directories to back up for future restorations	<a href="#">“Backing up Your Network Servers” on page 25</a>

## Granting Permissions and Rights

Certain permissions (NT) and rights (NetWare) are required when configuring your network servers and workstations for Me!. The table below lists configuration tasks and their required permissions and rights.

 Any directories requiring NT permissions and NetWare rights also require a network-mapped share or drive.

Task	Required Permissions and Rights
Installing Me!	<p>Ensure that you are logged in to the server to which you are installing Me! as an Administrator (NT) or Supervisor (NetWare).</p> <p>Further, if you are installing software distribution to a Windows NT network, create a share called "SYS" on your NT Server.</p> <p> For further details refer to <i>"System Requirements"</i> on page 9.</p>
Installing the NT Services	<p>Ensure that you are logged in to your network as an Administrator. Ensure that the user account that you set up for your NT Services has Full Access permissions to the McAfee 'SYS' share and Advanced Rights to log in as an NT Service.</p> <p> In addition, the SiteExpress (Distribution) NT Service requires Level Access II and Domain Admin equivalent permissions, including permissions to the Primary NT Domain Controller server.</p>
Loading the NLMs	<p>When loading the NLMs, you do not need any type of Novell or NetWare rights; you only need access to the file server console.</p>
Running the Me! Console	<p>Ensure that you are logged in to the network as an Administrator (NT) or Supervisor (NetWare) so that you can read and write to the databases, configure the network servers, and perform desktop and software distributions.</p>

Task	Required Permissions and Rights
Running the Distribution agents	Ensure that users have CHANGE permissions (NT) or READ, WRITE, FILESCAN, ERASE, MODIFY, and CREATE rights (NetWare) to the MCAFEESM\DATA-BASE\SITEXPRS directory (and subdirectories).   <i>To distribute software using the predefined anti-virus packages, verify that users have a drive mapped to the distribution directory, where the files to be distributed reside.</i>
Viewing the documentation	To make the documentation available to users, ensure that they have READ permissions (NT) or rights (NetWare) to the MCAFEESM\DOC directory (and subdirectories).


## Configuring Your Windows NT Servers

During installation, an NT Service installation program is copied to the server on which you installed Me!. The NT Services are not available, however, until you:

1. Install the required NT Services. Refer to [“Installing the Me! NT Services” on page 20](#).
2. Start the NT Services. They are not actually started until you either:
  - Choose to start the services when you run SVCSETUP.
  - Reboot the server to automatically load the NT Services.or
  - Manually start the NT Services after running the NT Service installer.


## About the Me! NT Services

Me! includes the following NT Services.

NT Service	Description
SITEXPRS.EXE (McAfee SiteExpress)	Transfers software distribution packages between servers and reports distribution activity.
SITEMETR.EXE (McAfee SiteMeter)	Handles communications with the installed and active NT Impersonation agents which aid in the installation of certain Windows NT software, including VirusScan for Windows NT and NetShield for Windows NT.
DBAPI.EXE (McAfee DBAPI)	Provides database access for the Distribution module's workstation agents.
AMGRSRVC.EXE (McAfee Alert Manager)	Handles NT alerting tasks.  <i>This NT Service is also utilized by McAfee's server-based anti-virus protection product, NetShield.</i>

## Installing the Me! NT Services

Me! provides an installation program for its NT Services. To install the Me! NT Services, follow the procedure below.

 *This installation program can be rerun to uninstall all or some of the NT Services or install NT Services not selected in a previous installation session.*

1. From the NT server console, run  
MCAFEESM\BWORKS\SVCSETUP.EXE.

The McAfee Service Setup dialog is displayed with important information about the NT Service installation.

2. Read the information and click Next.

The McAfee Service Setup dialog is displayed, prompting you to perform one of the following:

- Choose **Install** to install the Me! services to the current NT server.
- Choose **Uninstall** to remove the Me! services from the current NT server.

or

- Choose **Exit** to leave the current installation session.

**3.** Click Install.


The McAfee Services Setup dialog is displayed, prompting you to choose one or more of the NT Services you want to install.

**4.** Select the following check boxes to install the corresponding NT Service.

- SiteExpress
- Alert Manager
- SiteMeter

The McAfee Service Setup dialog is displayed, prompting you to enter a username and password for the selected NT Service(s).


**5.** Enter a username and password that has Administrative permissions to the domain and access to the McAfee share. Click Next.

 *This user account must have sufficient permissions (Full Access) to the McAfee 'SYS' share and Advanced Rights to log in as an NT Service. In addition, the SiteExpress (Distribution) NT Service requires Domain Admin equivalent permissions. To use an account on the local machine, enter it as ".\<username>".*

**6.** You will be asked if you wish to start the services - choose "Yes" to try to start the services now. "No" if you wish to start them at a later time. If you have difficulty starting the service, you can manually configure the service after SVCSETUP completes via the "Services" program in Control Panel.

## Installing the ZAC Agent

Me! provides an installation program for the ZAC Agent. The ZAC Agent is for Windows NT only and is a special purpose software distribution agent which acts on behalf of the administrator to allow certain software applications to be successfully installed when the end user otherwise does not have sufficient local machine rights to complete an install. The ZAC Agent should be installed on all NT clients where administrative rights will be needed to install software. To install the ZAC Agent for NT, follow the procedure below.

 *This installation program can be rerun to uninstall the ZAC Agent or to install the ZAC Agent to other remote Windows NT Workstations or Servers where it is not already installed. The WMSETUP utility must be run from a Windows NT machine, and must be run by a user with Domain Administrator privileges.*

1. From the NT server console, run MCAFEESM\SITEMETR\AGENT\WMSETUP.EXE or from the McAfee Enterprise console, right click on the 'Software Distribution' node in the tree and select "Install ZAC Agent.." from the menu.
2. The ZAC Agent Setup dialog is displayed, prompting you to choose whether to install the ZAC Agent services to the current NT workstation or server or a remote NT workstation or server.
3. Click Next
4. If the ZAC Agent is already installed on the target workstation, a dialog is displayed, prompting you to perform one of the following:
  - Choose **Reinstall** to install the ZAC Agent on the target workstation OR
  - Choose **Uninstall** to remove the Me! services from the current NT workstation or server. or
  - Choose **Cancel** to leave the current installation session.
5. Click Next.

If you choose to install to "This Computer" the installation software proceeds to completion.

If you choose to install to a different remote computer, the ZAC Agent installation software prompts you to select another computer by Windows NT computer name. You can browse for a target computer, or if you know the computer name, you can simply type it in.

6. Click Finish.

The ZAC Agent is installed and started.

## Configuring Your Novell NetWare Servers

The Me! installation program gives you an option to add a command to load the NLMs from the file server's AUTOEXEC.NCF file. However, the NLMs are not actually loaded until you:

- Reboot the server to execute the command(s) in the AUTOEXEC.NCF file.
- Manually enter STARTME!.NCF at the server console to start the software distribution NLMs.

or

- Manually enter the command(s) to load the NLMs individually from the file server console.

### About the Me! NLMs

Me! includes the following NLMs.


NLM	Description
SITEXPRS.NLM	Transfers software distribution packages between servers and reports distribution activity.
SITEMETR.NLM	Handles communications with the installed and active NT Impersonation agents which aid in the installation of certain Windows NT software, including VirusScan for Windows NT and Net-Shield for Windows NT.
DBAPI.NLM	Provides database access for the Distribution module's workstation agents.

## Updating Network Workstations for Distribution

To distribute the anti-virus packages to your network workstations and servers, the appropriate distribution agent must be run. Because the workstation agents must run on each machine to which you will distribute software, we suggest you enter the command to run the agent in the system login script.

- If the login server is a NetWare server, run **SXPNWLDLDR** from the server's MCAFEESM\SITEXPRS\AGENT directory.
- If the login server is an NT server, run **SXPNTLDR** from the server's MCAFEESM\SITEXPRS\AGENT directory.

Add the lines suggested below to your **NT** system login script.

 *You may need to create a system login script for your NT environment. Once created, add the script to each user's profile.*

- Modify your system login script to include the following:  
`\\server\share\mcafeesm\sitexprs\agent\sxpntldr`

where \\server\share is the server and share name to which you installed Me!.

Add the lines suggested below to your **NetWare** system login script.

- Modify your system login script to include the following:  
`#server\vol:\mcafeesm\sitexprs\agent\sxpnwldr`  
where server\vol is the server and volume name to which you installed Me!.

You may want to use some or all of the following switches in your login script execution as well:

- **/AUTOEXIT** - the **/AUTOEXIT** switch will close the distribution agent window automatically after execution on the client workstation, so that the end user does not need to clear the dialog manually. Example:  
`#server\vol:\mcafeesm\sitexprs\agent\sxpnwldr /AUTOEXIT`
- **/SILENT** - runs distribution agent in a silent mode so that users are not aware that distributions are being executed. Example:

`#server\vol:\mcafeesm\sitexprs\agent\sxpnwldr /SILENT`



## Backing up Your Network Servers

When backing up your network servers, we recommend including the following directories and their subdirectories:

**MCAFEESM\DATABASE**

**MCAFEESM\USER**

Files backed up in the MCAFEESM\DATABASE directory support the Me!'s Distribution module. Files backed up in the MCAFEESM\USER directory support Me!'s Desktop Management modules.

 *Before backing up your network, stop all NT Services and unload all NLMs.*

## Where to Go from Here

Now that your network is properly configured to distribute software packages, do the following:

- If you are not familiar with the Windows 95 Explorer interface, see [Appendix A, "The Me! Console,"](#) for an overview of the Me! interface.
- If you are familiar with the Windows 95 Explorer interface, see [Chapter 4, "Getting Started with Me!,"](#) for a step-by-step overview of Me!'s major features.

# 4


## Getting Started with Me!

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### Overview

In this chapter, you can familiarize yourself with the Me! modules by walking through the most common software distribution tasks you'll perform with them. The checklists in this chapter provide step-by-step instructions for completing each task. Refer to the following table to find the checklists you want to use.

If you want to...	See...
Distribute McAfee anti-virus software across your network	"Distributing Predefined Packages" on page 27

 *Before you can begin using Me!, you must configure your network servers and user workstations. For more information, see [Chapter 3, "Configuring Your Network."](#)*

When you become familiar with a module, you can implement other Me! features and applications to better meet your network needs. For more detailed information about using each module, refer to the online Me! manuals. However, you can start with these checklists to make sure the modules are meeting your basic network needs. You may want to review the section "[Your Main Steps](#)" on page 7 before you get started.

 *Use the online manuals referenced in the Info-maps throughout the checklists for further information regarding Me! modules. See [Chapter 5, "Accessing the Online Manuals,"](#) for information on using the online documentation.*


## Running the Me! Console

Most components can be accessed from the Me! Console. The Console uses an interface similar to the Windows 95 Explorer that displays information in tree and list views.


Do any one of the following to run the Console:

- Choose the Console icon from your **Start/Programs/McAfee** folder.
- Choose **Start/Run**. Enter MCAFEESM\CONSOLE\ME.EXE in the Open text box and click OK.
- Double-click the ME.EXE icon in your MCAFEESM\CONSOLE directory from Windows Explorer.

For a detailed description of the Console, refer to [Appendix A, “The Me! Console.”](#)

 *Most of the procedures in the following sections assume that you have already launched the Console.*

## Distributing Predefined Packages


 *This procedure assumes that you have configured the distribution agents and launched the Console. If you have not done so, refer to [“Updating Network Workstations for Distribution” on page 24](#) and [“Starting the Console” on page 39](#).*

With the Software Distribution module, you can distribute predefined installation packages to every user on your network without requiring any action from your network users. This type of automated distribution eliminates the need for you to go to each user's workstation to install or upgrade software applications.

The Software Distribution module uses predefined packages that contain application and support files packaged together and delivered through server processes (NT Services and NLMs) and workstation agents. Packages contain all of the instructions and options required for your distribution tasks. Distribution packages are created, modified and/or saved on originating servers. Through software distribution, these packages are sent to target or recipient workstations.

Me! contains the following predefined packages.


Package Name	Installs
McAfee VirusScan 95	VirusScan for Windows 95 PCs across your network
McAfee VirusScan for DOS	VirusScan for DOS workstations across your network
McAfee VirusScan NT	VirusScan for Windows NT workstations across your network
McAfee NetShield NT	NetShield for Windows NT servers across your network
McAfee VirusScan for Windows 3.x	VirusScan for Windows 3.x workstations across your network
McAfee WebScanX	WebScanX for Windows 95 and Windows NT across your network
McAfee VirusScan PM for DOS	VirusScanPM for DOS across your network

 *Included packages have the ability to remove detected competitor anti-virus products. This assists administrators in deploying McAfee anti-virus products by preventing complications that arise from multiple installations of anti-virus software on a single computer.*

***This feature is enabled by default. If you want to disable this feature, you will need to edit the distribution scripts to do so.***


In addition to the predefined functions of these packages, you can also set additional distribution options and package dependencies when you create or configure a package.

Using the software distribution options, you can:


- Distribute packages to all machines (user workstations and network servers) that log in to a server running the Distribution NLM or NT Service by using the 'Distribute to all workstations on all servers' recipient feature.  
  
* Depending on how many servers your users log in to, they may receive more than one copy of a package. Therefore, only enable the 'Distribute to all workstations on all servers' feature from a single server. This can also be avoided by only implementing a single "Full Installation" and implementing "Remote Installations" on the other login servers.*
- Force a package to be delivered the next time the workstation agent is executed.
- Send the same package to be delivered with updated system files.
- Allow the user the option to refuse a package a limited number of times before the package is delivered and the task is completed or terminated.


## 1. Distribute a predefined anti-virus package.

The Distribution module includes predefined packages that contain compiled scripts and filesets to install McAfee anti-virus products. Follow the steps below to distribute a package containing an evaluation copy of McAfee's VirusScan.

* The following steps refer to the 'Install VirusScan 95' package. There are, however, additional packages configured for NetShield, WebScan, and additional versions of VirusScan. Select the package that is best suited for your network.*

- A. From the Console, click the + next to the Software Distribution module to expand the tree view. A list of connected servers running the Distribution NLM or NT Service is displayed.
- B. Click the + next to any server to display the Packages, Filesets, and Quick-Scripts nodes. Double-click the Packages node to populate the list view with all packages defined on that server.
- C. From the Console list view, right-click the 'Install VirusScan 95' package and choose **Open**.


- D. From the Open Package dialog, do the following to specify general package details:
- From the Definition tab, enter the date (month, day, and year) you want the package to be available for distribution using the 'Start date' spin controls.
  - Select the 'Save as an active package' check box.
- E. From the Open Package dialog, do the following to specify which users will receive the package, if you would like to restrict the users that receive this package. By default, all users on the network will receive the package. If you wish to only send the package to certain users:
- Select the Recipients tab.
  - From the Available Recipients list box, double-click the server icon containing the defined network groups and/or users who should receive the package. The tree view is expanded to display all defined groups and users on that server.
  - Double-click the group icon to further expand the tree to display all users in that group.
  - Once all desired users and/or groups are selected, click Include to populate the Selected Recipients list box with your selections.
-  Click 'Distribute to all workstations on all servers' to distribute the package to all users who log in to a server running the Distribution module's NLM or NT Service. If you select 'Distribute to all workstations on all servers,' the package is sent with the Force distribution option set. If you want the package delivery to be optional, you can turn this option off.
- F. To change distribution options, do the following:
- Select the Distribution Options tab.
  - In the Distribution Options group box, select the (second instance) 'Optional to user' radio button, enter the number of times you will permit the user to reject the package, and select 'Force' from the provided drop-down list.
- By doing so, you are allowing the user to refuse the packages 'X' number of times before requiring it to be delivered to the user's workstation.

 *Note that there are several other distribution options available to you. For details, see your online manual Automating Software Distribution, or your online help.*

- Click OK to save your package options and return to the Console.


**G.** To view your package details, do the following:

- Choose **View/Refresh** from the Console menu bar to update the displayed information.
- From the Console list view, right-click the modified package (Install VirusScan 95) and choose **Details**.


 *Because you have just set up this package for distribution, you will receive a SiteExpress Log Details box with the message, “There are no log entries to display.” Once users run the network agent, you can view the package details. The log file will reflect any recipients who have received the packages.*

## 2. Download updated anti-virus data (DAT) files.

For continued anti-virus protection, it is important that you update your anti-virus data (DAT) files periodically. These files, CLEAN.DAT, NAMES.DAT, MCALYZE.DAT, and SCAN.DAT contain virus information for the anti-virus software. More than 200 viruses are detected each month, and McAfee’s virus researchers constantly update these files. These data files are released approximately every four to six weeks.

 *The following procedure describes how to update your data files manually; however, refer to your anti-virus product documentation to take advantage of the SecureCast feature.*

- A.** Download the “Me! DAT file update” from one of McAfee’s electronic services. On most services, it is located in the anti-virus area.

 *Note that your ability to access these updates is legally restricted by your license agreement with McAfee.*

- B.** Copy the compressed file to a new directory.
- C.** Decompress the file using any PKUNZIP-compatible decompression software. If you do not have the decompression software, you can download it from most McAfee electronic sites.


- Copy the “CurrentA.SET” file to your MCAFEESM\DATABASE\SITEX-PRS\PACKAGES directory. By doing so, you are placing the files in a common location from which the predefined software distribution packages can copy and distribute the files to your anti-virus users.

### 3. Create a custom distribution package.

You can distribute software to servers and workstations across your network using packages that contain filesets, scripts, and delivery instructions. Once you have created a package, it is saved to the MCAFEESM\DATABASE\SITEXPRS\PACKAGES directory on the originating server. Follow the steps below to distribute a package containing a default anti-virus configuration file.

- A.** To create your default VirusScan for Windows 95 (version 3.0) configuration file, do the following:

- Launch VirusScan for Windows 95 (version 3.02).
- Configure the desired scan options using the provided Where and What, Actions, and Reports tabs.
- Choose **File/Save Settings**.
- Save the new configuration as DEFAULT.VSC. Save the file to the server on which you will be creating the package.


 *The above steps are specific to VirusScan for Windows 95 (version 3.02). For steps specific to NetShield NT, WebScan X, or another version of VirusScan, see your product documentation.*

- B.** From the Console, click the + next to the Software Distribution module to expand the tree view to display a list of connected servers running the Distribution NLM or NT Service.
- C.** Click the + next to the server on which you saved the DEFAULT.VSC file to display the Packages, Filesets, and QuickScripts nodes.
- D.** From the Console tree view, right-click Packages and choose **New**.
- E.** Enter a name for the package and click OK.


 **Example:** Enter Default VirusScan Configuration File.



- F. From the New Package dialog (Definition tab), click Add.
- G. Select a package task type: Executable, File Copy, Fileset, QuickScript, or Run Time File Copy and click OK to return to the New Package dialog.

 **Example:** Select File Run Time File Copy as your task type and click Browse to locate DEFAULT.VSC. You can use the Run Time File Copy task to identify a file that you want copied to the workstation directly from the originating server at the time of the update. This ensures that the latest version of the file is delivered and allows for easy future updates.


- H. From the Definition tab, do the following to specify general package details:
  - From the Definition tab, enter the date (month, day, and year) you want the package to be available for distribution in the 'Start date' spin controls.
  - Select the 'Save as an active package' check box.
- I. From the Open Package dialog, do the following to specify which users will receive the package:
  - Select the Recipient tab.
  - From the Available Recipients list box, double-click the server icon containing the defined network groups and/or users who should receive the package. The tree view is expanded to display all defined groups and users on that server.
  - Double-click the group icon to further expand the tree to display all users in that group.
  - Once you have selected all the desired users and/or groups, click Include to populate the Selected Recipients list box.

 Click 'Distribute to all workstations on all servers' to distribute the package to all users who log in to a server running the Distribution module's NLM or NT Service. If you select 'Distribute to all workstations on all servers,' the package is sent with the Force distribution option set. If you want the package delivery to be optional, you can turn this option off. Depending on how many servers your users log in to, they may receive more than one copy of a package. Therefore, only enable the 'Distribute to all workstations on all servers' feature from a single server to prevent users from receiving multiple package copies.

**J.** To specify distribution options, do the following:

- Select the Distribution Options tab.
- In the Distribution Options group box, select the 'Optional to user' radio button, enter the number of times you will permit the user to reject the package, and select 'Force' from the provided drop-down list.


By doing so, you are allowing the user to refuse the packages 'X' number of times before requiring it to be delivered to the user's workstation.

 *There are several other available distribution options. For more information about them, see your online manual Automating Software Distribution, or your online help.*

- Click OK to save your package options and return to the Console.

**K.** To view your package details, do the following:

- Choose **View/Refresh** from the Console menu bar to update the displayed information.
- From the Console list view, right-click the modified package (Install VirusScan 95) and choose **Details**.

 *Because you have just set up this package for distribution, a SiteExpress Log Details box will display with the following message, "There are no log entries to display." Wait several days for the package to be distributed to your network users and right-click the desired package and choose **Details**; the log file will reflect current network data.*

## Where To Go From Here


By completing these checklists, you've gotten a good start with Me!'s features. Keep this guide handy in case you need to refer to a particular checklist. You may want to review [Chapter 1, "Introducing Me!",](#) for an overview of the modules and a description of accompanying product information. Also, be sure to see the online documentation for further product information.

## Overview

The Me! documentation is available to you in portable document format (.PDF) for easy online viewing. To view the online manuals, you must install the Adobe Acrobat Reader. The self-extracting Acrobat Reader installation program, ACROREAD.EXE, is located in the following directories:

- **\GETSTART\ACROREAD.** This directory is located at the root of the Me! CD ROM.
- **\MCAFEESM\DOC\ACROREAD.** This directory is created if you chose to install the online documentation.

For the fastest performance, install the documentation files to the server where you installed the Me!. If you did not install the online documentation when you installed the Me! modules, refer to [Chapter 2, “Installing Me!”](#), paying specific attention to “Select the Me! components you want to install” on [page 14](#).

 *The Online Documentation installation option includes both the self-extracting Adobe Acrobat Reader installation program and the document files (PDF).*

## Available Documentation

The following manuals are available with this version of the Me!:

***Automating Software Distribution*** provides instructions for distributing software to your network workstations and file servers.

*Crystal Reports User's Guide* provides instructions for using Crystal Reports in conjunction with Me! 's predefined reports so you can tailor the report information to suit your network needs.

## Viewing the Documentation

The Me! document files (.PDF) are viewed using the Adobe Acrobat Reader. By using the Acrobat Reader, you can read, print, and search the Me! document files. Before you can view the Me! manuals, you must install the Adobe Acrobat Reader. The Adobe self-extracting installation program and online manuals are located in the following directories:

- **\MCAFEESM\DOC directory** (and subdirectories). This directory is created if you chose to install the online documentation.
- **\GETSTART directory** (and subdirectories). This directory is located at the root of the Me! CD ROM.

## Requirements

Before you can install the Adobe Acrobat Reader and view the online manuals, your workstation must be equipped with the following:

- Windows 3.1 or later or Windows NT 3.51 or later
- DOS 3.3 or later (DOS 5.0 or later recommended)
- A mouse compatible with Windows 3.1 or later.

## Installing the viewer

Follow the procedure below to install the Acrobat Reader on your hard drive.

1. Choose **Start/Run**; enter the following in the Run dialog:

`x : \MCAFEESM\DOC\ACROREAD\ACROREAD . EXE`

where x is the drive to which you installed the Me!.

2. Follow the installation instructions.

When the installation is complete, you're ready to use the Acrobat Reader to open a manual. See the following procedure for more information.

## Opening a manual

To view the online documentation, follow the procedure below.

1. Choose **Start/Run**; enter the following in the Run dialog:


`x:\path\ACROREAD.EXE`

where x is the drive to which you installed the Adobe Acrobat Reader.

The Acrobat Reader is displayed.

2. From the Open dialog, select the desired manual file (.PDF) and click OK. All manual files are located in the MCAFEESM\DOC\MANUALS directory.

To open...	Select the file...
Automating Software Distribution	DISTRBUT.PDF
Crystal Reports User's Guide	CRYSTAL.PDF
Getting Started with the Me!	GETSTART.PDF

 For a description of each manual, see [page 35](#).

The selected manual's title page is displayed.

3. To view a particular chapter or section, go to the table of contents and click on the topic you'd like to view.

## Overview

Network administration involves many tasks, including monitoring, analyzing, and adapting the network to meet your continually changing demands. Whether you're a seasoned network administrator or just starting out, you need easy-to-use, comprehensive tools to manage your network effectively. The Me! Console provides a central point and common interface from which you can run the Security Command Center modules.

## What you can do from the Console

The Console allows you to manage your entire network from one location and provides a central point from which you can view and report on the data collected by the various modules. From the Console you can:

- Configure your network servers and workstations for distribution.
- Launch McAfee-related software from the Utilities toolbar and from the Console's explorer tree.
- Drag and drop additional applications to the Utilities toolbar to be launched from within the Console.

## Starting the Console

The Console interface, which is similar to the Windows 95 Explorer, displays information in tree and list views. Do any one of the following to launch the Console:

- Choose the McAfee Enterprise Console icon from your **Start/Programs/McAfee** folder.
- Choose **Start/Run** and enter MCAFEESM\CONSOLE\ME.EXE in the Open text box and click OK.
- Double-click the ME.EXE icon in your MCAFEESM\CONSOLE directory from Windows Explorer.

## Looking at the Console Window

When you open the Console you will see a window similar to the one shown in Figure A-1. The various parts of the window are labeled on the figure and discussed in the remainder of this section.

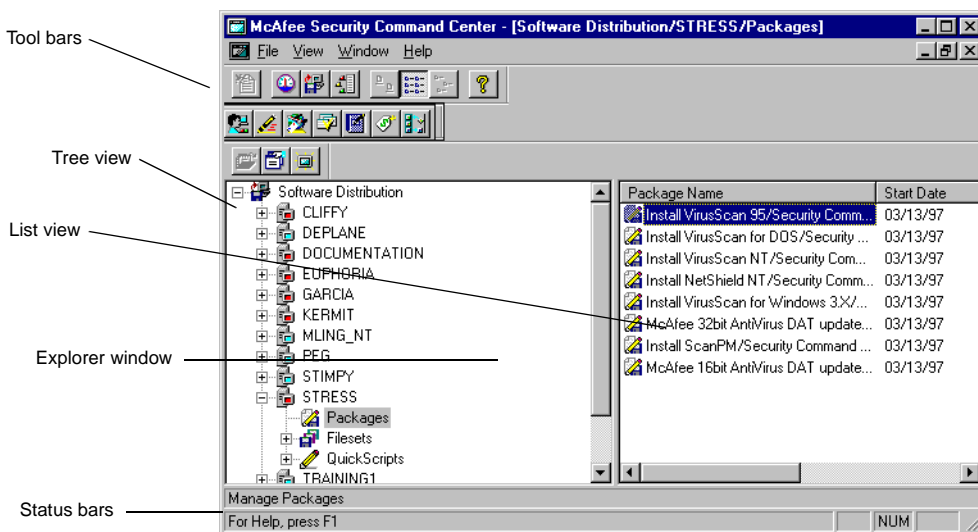




Figure A-1.

## Console Toolbar

The Console toolbar lets you load new workspaces and view the last report generated for the Distribution module. The buttons on the toolbar are listed in the following table.

Button	Description
	Opens a new Me! Explorer window in the default view. Multiple Explorer windows may be opened simultaneously.
	Provides access to the Console Help.

Other McAfee applications that are installed on your workstation will also show up on the Console toolbar. For example, if you have VirusScan for Windows 95 and WebScan X installed on your workstation, application icons for these products will appear on your toolbar.

### Adding applications to the console toolbar

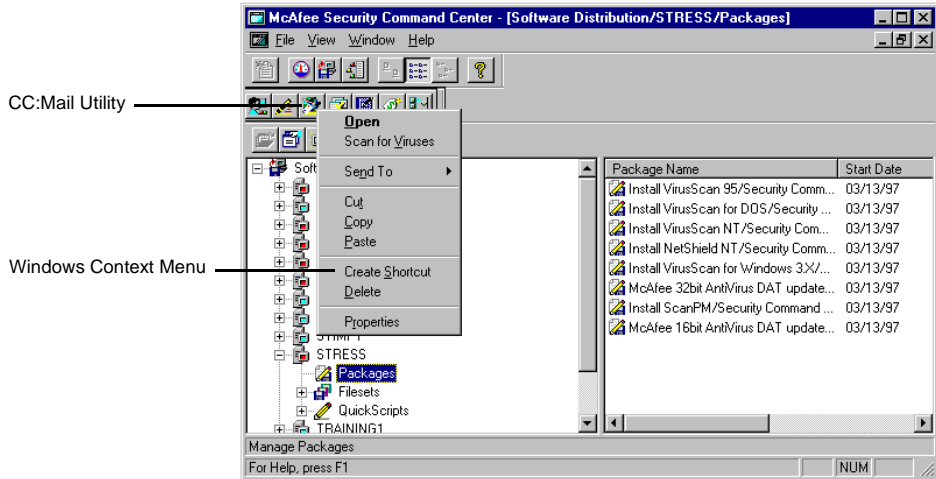
In addition to the McAfee applications that are configured in the Console toolbar, you can add any application from your desktop to the Console toolbar using Windows' **drag and drop** feature.

For example, you can drag a Windows' shortcut from your desktop to the toolbar or drag an application directly from Explorer. When you drag an application to the toolbar from your desktop or Windows Explorer your cursor changes to reflect the action.

Most of the McAfee toolbar buttons have a single context menu item: **Property**. Choose **Property** to display the Browse dialog and specify a different application (other than the configured McAfee application) to be launched from that toolbar button.



The additional application buttons that you configure (using the drag and drop feature described above) adopt the same Context Menu as your Windows desktop shortcuts. For example, in the figure below, the Lotus CC:Mail utility has been added to the Utilities toolbar and its context menu is that of the Windows desktop; note the 'Create Shortcut' menu item.



**Figure A-2.**

*When using the added application's Context Menus, note that if you choose **Delete** from within the Console, the application will be removed from your desktop. In addition, when you change an application's properties from within the Console, these properties will be reflected in the application on your desktop.*


## Removing applications from the console toolbar

*Only applications added to the console toolbar can be deleted. Pre-configured McAfee application buttons cannot be removed from the console toolbar.*

The modules that you added to the console toolbar can be removed using the using Windows' **drag and drop** feature.

For example, you can drag an added application (not a pre-configured McAfee application) off the console toolbar. Dragging an application from the console toolbar does not remove the application from your desktop.

## Rearranging applications in the console toolbar

 Only applications added to the console toolbar can be rearranged. Pre-configured McAfee application buttons cannot be rearranged on the console toolbar.

The modules that you added to the console toolbar can be rearranged using Windows' **drag and drop** feature.

For example, you can drag an added application (not a pre-configured McAfee application) to a different location on the toolbar. When you do so, your cursor changes to reflect the action.




## Explorer window

The Explorer window is the area of the Console that shows what modules are active on your system and that displays the data collected by the various modules. By default, the Explorer window is displayed each time you open the Console. If you close the Explorer window, you can reopen it by clicking the New button on the product toolbar.

The Explorer window has two panes, a toolbar, and two status bars. The left pane contains the tree view and the right pane contains the list view. Each of these items and their contents is described below.

## Explorer toolbar


The Explorer toolbar buttons are listed in the following table.

Button	Description
	Displays the last report selected for the active module. This icon is only enabled when the active module contains information you can view from the Console.
	Displays the Select Report dialog, which lets you select a report, database, and filter for the selected module.
	Refreshes the information displayed in the tree and list views.

## Tree view

The tree view is located in the left pane of the Explorer window. It displays the Me! modules. Those that are installed will be active in your tree. From the tree view you can:

- Click on a module or a node to display related information in the list view. (The list view is described in the following section.)
- Click the plus sign (+) next to any module to expand the tree view and display the nodes under that module.

 *If the expanded tree view contains nodes with their own plus signs, you can click on those to continue expanding the tree.*

- Click the minus sign (-) next to any module to collapse that portion of the tree view.
- Double-click any module or node to expand or collapse that portion of the tree view. If the node is fully expanded, double-click on an entry to perform the functions associated with that entry.
- Double-click on a module for an installed product to invoke the applicable management console for that application.
- Right-click a module or a node to display a context menu. The menu items allow you to perform functions related to the selected item and module.

## List view

The list view is located in the right pane of the Explorer window. It displays information about the module or node that is highlighted in the tree view. From the list view you can:

- Right-click on the entries to display a context menu. The items on the menu allow you to perform functions related to the selected item.
- Click on an entry in the context menu to perform the functions associated with that entry.
- Click on the column headings to sort the information displayed by the selected column.

- Drag the dividers between the column headings to resize the columns.

## Web view

An alternative, when applicable, to the list view, the web view is located in the right pane of the Explorer window. It displays information about the module or node that is highlighted in the tree view. From the web view you can:

- Administer Me! modules that are installed, either via external product launch, internal integrated ActiveX controls, or via web-based management applications.
- View product information for Me! products that are not installed.

## Status bars

The status bars at the bottom of the Console and the Explorer window provide additional information about highlighted items. The Console status bar provides information about the general menu items and buttons. The Explorer status bar displays the name of the active module and provides context-specific module information.

# About the Console Workspace

The following sections detail how to work with multiple windows and workspaces within the Console.


## Working with multiple windows

In addition to the information displayed in the Explorer window, reports and other data generated by the modules are displayed in views and windows within the Console.

As with other Windows-based applications, you can have more than one window open at the same time. In addition, you can move, minimize, maximize, tile, or cascade the windows to help you work more efficiently. When a window is minimized, it can be sized to use as much or as little of the Console as you want. When it is maximized, a window fills the entire workspace.

## Saving your workspace configuration

Once you have displayed the information you want and arranged it according to your preferences, i.e., window placement, toolbar and status displays, etc., you can save your customized workspace configuration. Saving your configuration saves the position and size of the Console and the windows displayed in the workspace.

 *Saving your workspace does not save the **data** displayed in any reports or views in the workspace.*

When you save a customized workspace, you have the option of making it your default configuration. If you choose this option, your customized workspace is displayed each time you start the Console. If you don't make it your default, it is not displayed each time you start the Console, but it is available for you to load whenever you need it.

To save a workspace, follow the procedure below.

1. From the Console, choose **File/Save Console**.
2. From the Save As dialog, browse for the desired location, enter a name for your custom workspace in the File name text box, and click Save.

A message box is displayed asking if you want to save this workspace as the default.

3. Click Yes if you want your custom workspace to be displayed automatically each time you start the Console. Click No if you want to save the workspace **without** making it the default.

## Loading a saved workspace

Once you have saved a workspace, you can load it from the Console when needed. To load a workspace, follow the procedure below.

1. From the Console, choose **File/Open Console**
2. From the Open dialog, select the location and name of the workspace and click Open. The Console is updated to reflect the preferences saved in the selected workspace.

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