

TME® 10 Software Distribution  
Clients



# Installation and Configuration

*Version 3.1.5*



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Clients



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*Version 3.1.5*

**Note**

Before using this information and the product it supports, be sure to read the general information under "Notices" on page xi.

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**Third Edition (October 2000)**

This is a major revision of, and obsoletes, SH19-4337-02

This edition applies to Version 3.1.5 of TME 10 Software Distribution, program numbers 5639-B05 (OS/2), 5765-477 (AIX), 5639-A99 (Windows NT and 2000), 5639-A97 (Windows 95 and 98), and 5639-A98 (Windows 3.1), and to all subsequent releases and modifications until otherwise indicated in new editions or technical newsletters. Make sure you are using the correct edition for the level of the product.

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## About This Book

This book provides the information you need to install and configure TME 10 Software Distribution clients for the OS/2, AIX, Windows NT, Windows 2000 Windows 98, Windows 95 and Windows 3.11 platforms. For each platform, it presents hardware and software requirements and explains how to install the client. Chapter 7, “Editing the Base Configuration File” on page 109 explains how to configure the client after installation.

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## TME 10 Software Distribution Server Publications

For conceptual information about the TME 10 Software Distribution family of products, consult the appropriate server publication:

- *TME 10 Software Distribution for AIX Quick Beginnings*, SH19-4333
- *TME 10 Software Distribution for OS/2 Quick Beginnings*, SH19-4334
- *TME 10 Software Distribution for Windows NT Quick Beginnings*, SH19-4335
- *TME 10 Software Distribution for NetWare Quick Beginnings*, SH19-4341

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## Notation Used in This Book

This book uses the following highlighting conventions in text:

<b>Bold</b>	Bold print indicates choices made from a menu or action bar. It is also used to highlight fields and push buttons on panels.
<i>Italics</i>	Italic print is used for introducing new terms in the text or for emphasis.
Monospacing	Monospacing indicates system messages, special characters, statuses, directory names, user input, and examples.
UPPERCASE	Uppercase letters are used for commands, devices, and file names.
<angle brackets>	Angle brackets are used to enclose the names of variables where you must substitute an appropriate value.

Where a command and its associated parameters are too long to be shown on one line, the symbol “▶” at the end of a line means that the next line is a continuation of the command string. When you enter the command, enter it all on one line.



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## What's New in This Release

Release 3.1.5 of TME 10 Software Distribution contains the following new or changed functionalities:

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### Support for New Platforms

TME 10 Software Distribution, Version 3.1.5 adds support for the following platforms:

- Windows 2000 (Professional and Server)
- Windows NT 4.0 (Service Pack 5 and 6a)
- OS/2, version 4.5 (Warp server for e-business)
- AIX, version 4.3.x

### New Pristine Scenarios

TME 10 Software Distribution, Version 3.1.5 Client can be installed on a pristine workstation in the following environments:

- Windows 2000 Professional
- Windows 2000 Server
- Windows NT 4.0 Server/Workstation
- OS/2 4.5 (Warp Server for e-business)
- AIX 4.3.3

This is in addition to the following pristine installation environments, which are maintained from the previous release:

- Windows 3.11
- Windows 95
- Windows NT Version 3.51
- OS/2 3.0.x (Warp)

### Complete Platform Support Table

Table 1 on page xvi shows details of the platforms on which TME 10 Software Distribution is available. The columns in the table contain the following information:

<b>Server Scratch</b>	Indicates whether the Server software can be installed from scratch. Scenarios describing how to carry out the scratch installations can be found in the relevant Quick Beginnings manuals.
<b>Server Upgrade</b>	Indicates which version of the TME 10 Software Distribution Server can be upgraded, by supplying a reference that can be looked up in Table 2 on page xvii. Scenarios describing how to carry out the upgrade can be found in the README file.
<b>Client Scratch</b>	Indicates whether the Client software can be installed from scratch. Scenarios describing how to carry out the scratch installations can be found in the Client Installation and Customization manual.

## Support for New Platforms

**Client Pristine** Indicates whether the Client software can be installed on a pristine workstation (i.e. a workstation with no operating system installed). Scenarios describing how to carry out the pristine installations can be found in the Pristine and Migration Scenarios manual or the Installation Scenarios for AIX manual.

**Client Upgrade** Indicates which version of which Client software can be upgraded, by supplying a reference that can be looked up in Table 2 on page xvii. Scenarios describing how to carry out the upgrade can be found in the relevant README files.

*Table 1. TME 10 Software Distribution, Version 3.1.5 Platform Support*

Platform		Server		Client		
OS	Version	Scratch	Upgrade	Scratch	Pristine	Upgrade
Windows	2000 Professional	Y		Y	Y	
	2000 Server	Y		Y	Y	
	NT 4.0 (SP5 & 6a)	Y	1	Y	Y	5
	NT 3.51	Y	1	Y	Y	5
	98			Y		6
	95			Y	Y	6
	3.11			Y	Y	7
OS/2	3.0x	Y	2	Y	Y	8, 11
	4.0	Y	2	Y		8, 11
	4.5 (Warp server for e-business)	Y		Y	Y	
AIX	3.2.5 - 4.2.1	Y	3	Y		9
	4.3.3	Y	3	Y	Y	9
NetWare	4.11 - 4.2x	Y	4	Y		10

Table 2 on page xvii shows the products (and versions) that can be upgraded to TME 10 Software Distribution, Version 3.1.5; the Reference column refers to Table 1.

<i>Table 2. Products from which TME 10 Software Distribution, Version 3.1.5 can be upgraded</i>		
Reference (see Table 1)	Version installed	CSD or Fix Pack installed
<b>TME 10 Software Distribution</b>		
1	3.1.3 Server for Windows NT	XR21923
2	3.1.3 Server for OS/2	XR21923
3	3.1.4 Server for AIX	99/10
4	3.1.3 Server for NetWare	XR21924
5	3.1.3 Client for Windows NT	XR21923
6	3.1.3 Client for Windows 9x	XR21923
7	3.1.3 Client for Windows 3.1	XR21923
8	3.1.3 Client for OS/2	XR21923
9	3.1.4 Client for AIX	99/10
10	3.1.3 Client for NetWare	XR21924
<b>NetView DM/2</b>		
11	2.1	

### Deletion of Pending Requests from Host

In the circumstances where TME 10 Software Distribution is executing software distribution requests from a focal point running Tivoli NetView Distribution Manager (NetView DM for MVS) Release 7, the MVS focal point can now issue a request to delete any distribution requests that are waiting to be processed or are being processed at the TME 10 Software Distribution server.

- In the case of a distribution request waiting to be processed, the original request will be deleted, and a report sent to the focal point confirming the deletion.
- In the case of a distribution request that is in execution when the deletion request arrives, the original request will be completed, and a report sent to the MVW focal point confirming the successful completion of the original request; no report concerning the unfulfilled deletion request will be sent.

In the case of nodes in a distribution network that are not running TME 10 Software Distribution, Version 3.1.5 (i.e. older versions of TME 10 Software Distribution or NetView DM/2) the deletion requests from the MVS focal point will be ignored.

This functionality runs in the background with no intervention required by the operator of the TME 10 Software Distribution server.

**Note:** As a consequence of this new functionality global names starting with `$DELETE.$PENDING` are reserved, and may not be used.

## Changes to Statuses Reported by 'stattg'

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### Changes to Statuses Reported by 'stattg'

The `stattg` command gives details of the status of the agent at the local target. A new parameter has been added to the command to reveal additional information.

In the previous releases, and when used without the new parameter, the command reports these statuses:

<i>Available</i>	Agent running and ready to process a request
<i>Not Available</i>	Agent not running or not accessible
<i>Busy</i>	Agent running a request and not available to process any other request.

There are circumstances in which it is possible for the server to have in its database more than one workstation name for the same agent.

For example, if a workstation has been re-defined to the server for some reason, the operator may have supplied a different workstation name than that originally used, but have used the original hostname. In this event, the agent now has the new workstation name, but the server has both workstation names defined; prior to this release the agent reported itself as being *Available* under both workstation names.

With this release, by using the parameter `-c`, in the event that the agent is *Available* and not *Busy*, the command now returns the status *Unknown* if the hostname of the agent is correct but the workstation name in the status request does not match the workstation name of the agent. Thus, by using the `-c` parameter, polling both workstation names will allow you to identify which is the correct one, as one will return the status *Available* and the other *Unknown*. If the parameter is not used, the original functionality is maintained.

However, before using this parameter you should consider the question of the timing of the `stattg` requests. When an agent receives a `stattg` request it sends the status to the server but is then not immediately available to satisfy another request. This means that a second request, received within, say, one minute of the first request, will return the status *Not Available*. If you are polling two suspect workstation names you should wait for this period before sending the second request.

This also means that if you send a `stattg` request using the asterisk wildcard to obtain the status of all or a group of workstations, the results received will depend on whether the *incorrect* workstation name comes before or after the *correct* one in the server's database:

#### **Incorrect workstation name is polled first**

The status of the *incorrect* workstation name will be given as *Unknown*, while the *correct* workstation will give *Not Available*

#### **Correct workstation name is polled first**

The status of the *correct* workstation name will be given as *Available* while the *incorrect* workstation will give *Not Available*

## Changes to Statuses Reported by 'stattg'

Thus, after using the asterisk wildcard with the -c parameter, you should individually poll each workstation name given as *Not Available*, waiting for approximately one minute before issuing each command. Workstations that are genuinely unavailable will report the same status as before; workstations that were unavailable while they were recovering from a previous stattg command will now report their true status.

The full details of the stattg command are given in *TME 10 Software Distribution Command Reference*, *TME 10 Software Distribution for NetWare Command Reference* and *TME 10 Software Distribution for AIX Reference*.



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## Chapter 1. Introduction to TME 10 Software Distribution Tasks

TME 10 Software Distribution provides users at servers and clients with functions for distributing, installing, and maintaining software in a network. These functions are referred to as *change control* operations.

A TME 10 Software Distribution server has a catalog of software objects ready to be installed. It is maintained by a TME 10 Software Distribution administrator, who relies on the catalog to ensure that software is properly installed at the correct level on the clients in its network, without shuffling diskettes from person to person and without having someone on site at each client.

Clients work in conjunction with a server. Software can be installed and maintained at clients in two ways:

- The administrator distributes software in the catalog to its clients. This is referred to as *push* mode.
- End users at clients initiate the installation of software in the server catalog that they are authorized to access. This is referred to as *pull* mode.

In addition to installing software, users working at TME 10 Software Distribution clients can also prepare the software packages and insert them into the server catalog.

This chapter provides an overview of what TME 10 Software Distribution clients can do, and how networks they belong to can be configured.

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### Change Control and Distribution Networks

TME 10 Software Distribution can manage change control and distribution in multiplatform networks. Servers installed on workstations running AIX, OS/2, Windows 2000, Windows NT and NetWare can manage clients installed on workstations that run many different operating systems.

Clients must have the appropriate TME 10 Software Distribution program installed.

Figure 1 on page 2 shows a network with a single server and a group of clients.

## Change Control and Distribution Networks

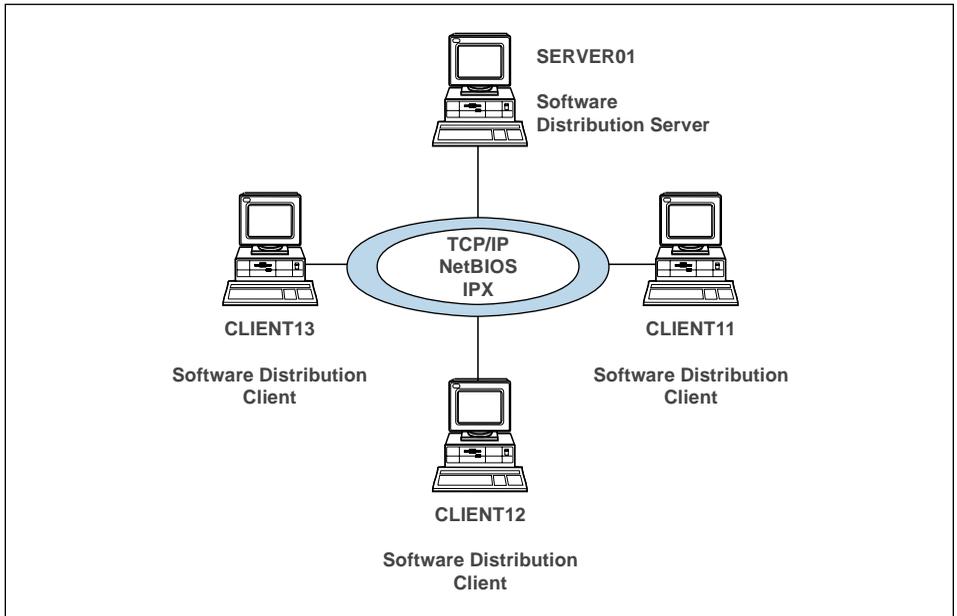


Figure 1. Server linked to clients in a TME 10 Software Distribution network

The set of clients controlled by a server is known as its *change control domain*. Clients in a server's domain are referred to as its *local targets*, while clients in different domains are referred to as *remote targets*.

A TME 10 Software Distribution system can be configured in various ways and in conjunction with other products belonging to the TME 10 Software Distribution family. A basic network can include a server with its clients, or a single domain as shown in Figure 1. A more complex network can contain more than one interconnected server and the clients in their domains as shown in Figure 2 on page 3.

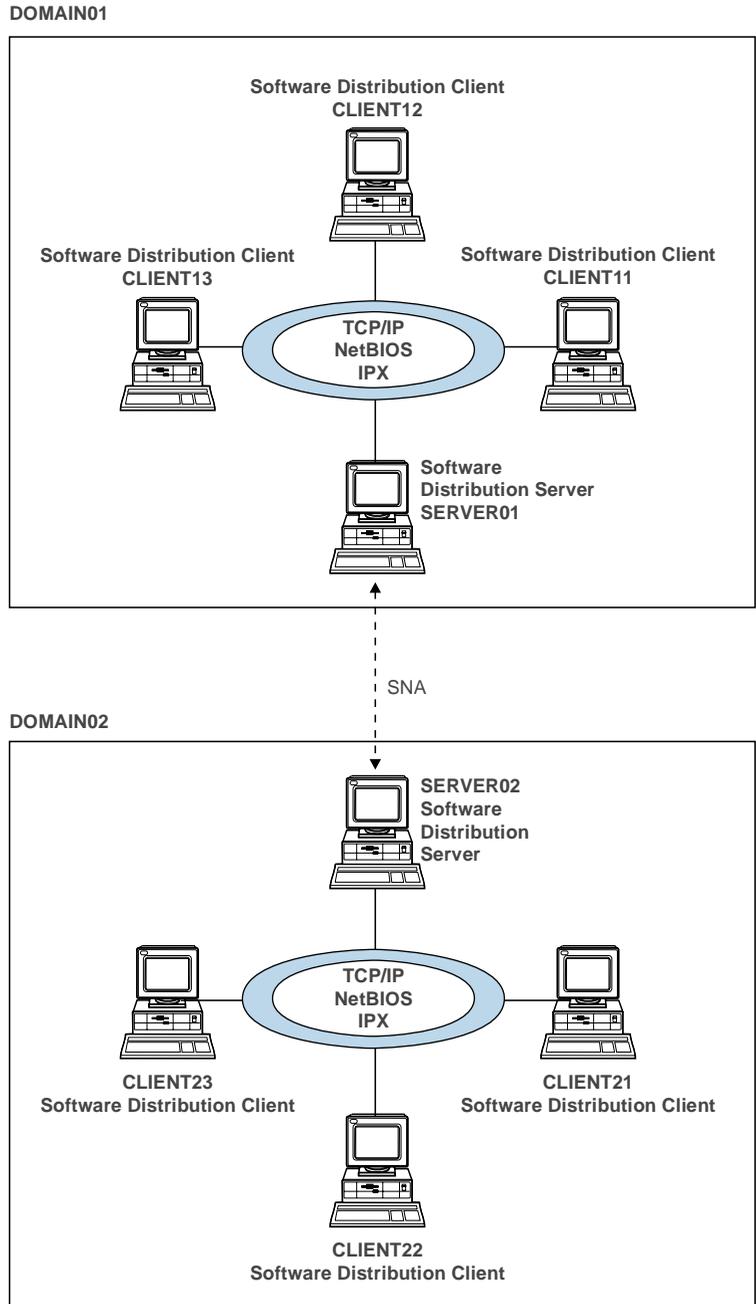


Figure 2. Two domains in a TME 10 Software Distribution network

Not all change control and distribution activity in a network must be initiated from a server. If a client is defined with the necessary authorizations, it can be used as an

# Change Control and Distribution Networks

*active* client, meaning that it can initiate operations on other clients in the network. A *passive* client can only have push operations performed on it.

More complex systems combine numerous domains connected in a hierarchical structure and governed by a central manager system. Figure 3, for example, shows a NetView DM for MVS system managing multiple TME 10 Software Distribution domains.

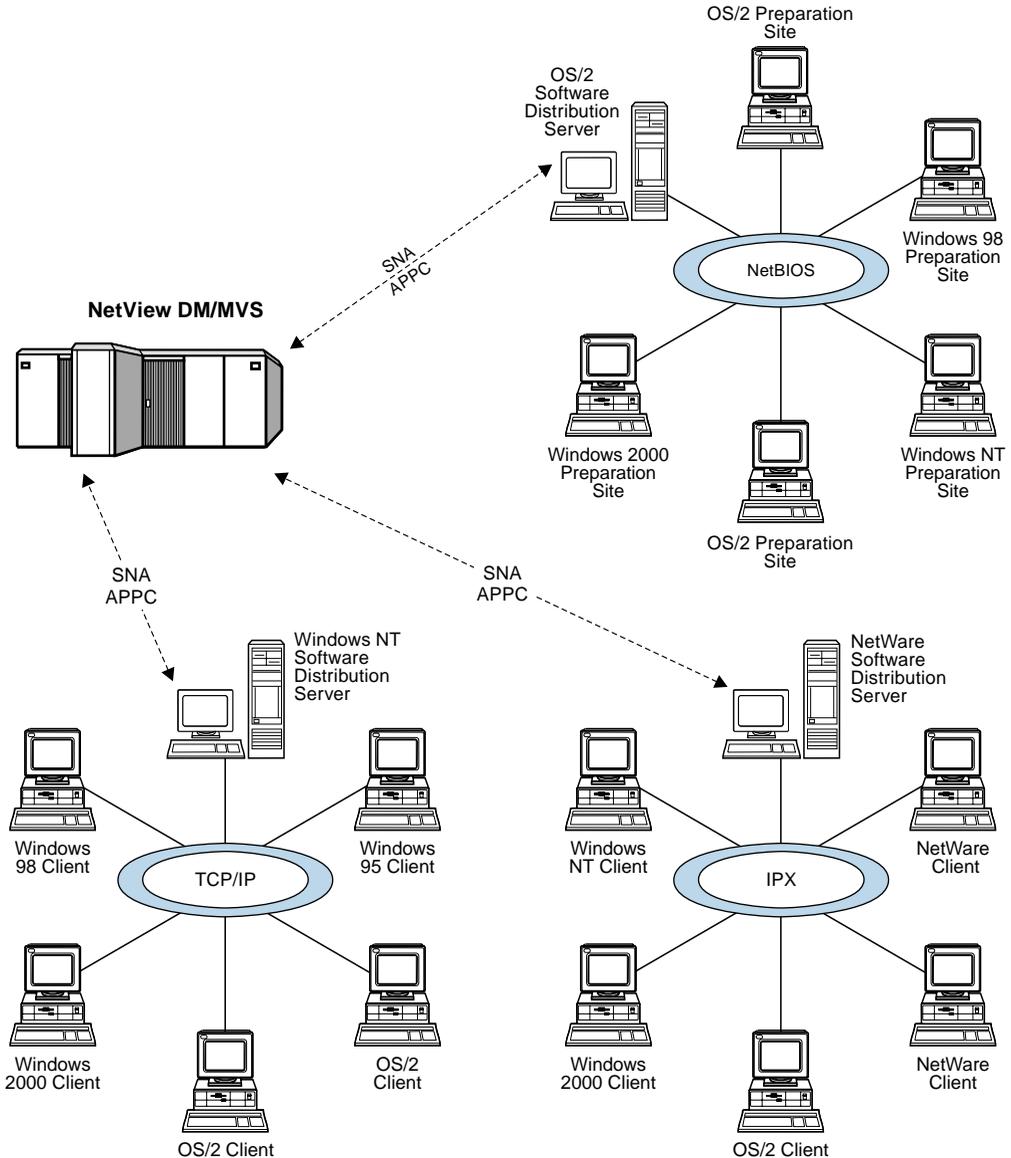


Figure 3. Software distribution from MVS

---

## Mobile Clients

Mobile clients are local targets on which it is possible to do change management operations without connection to a server.

Because mobile clients are not always connected with a server whose catalog they can access, they have their own local catalog. Once a mobile client's catalog has been updated, the client can perform the following operations locally:

- Install software and software changes
- Remove software
- Accept changes to software
- Activate pending changes on your workstation
- Uninstall software packages and software changes, along with any updates or fixes applied
- Catalog and uncatalog files in the local catalog
- Import change files from external devices
- View change file information
- View and purge pending requests

Mobile clients are not forced to work locally; they can connect to a server and function as non-mobile clients.

Mobile clients can also function as *fully disconnected* clients, meaning that they never connect to a server.

---

## Using Software Distribution

From a TME 10 Software Distribution client you can:

- Use the software installed on it from the server
- Install and maintain any software available to it from the server catalog
- Distribute data files (send, retrieve, and delete them) to other clients in its domain
- Build software objects and store them in the server catalog from where they can be installed on other clients
- View information about the software installed on its workstation, as well as information about the other clients and software available in the network.

## Installing and Maintaining Software

End users work in different ways according to whether their client workstations are configured in push or pull mode.

## Using Software Distribution

- Push Mode

Push mode allows both the administrator at a server and the user at a client to initiate installation of software on a client workstation. A client workstation configured in push mode can be managed for change control purposes by the administrator, who determines what change control is required and schedules the change control operations from the server.

Figure 4 illustrates the use of push mode.

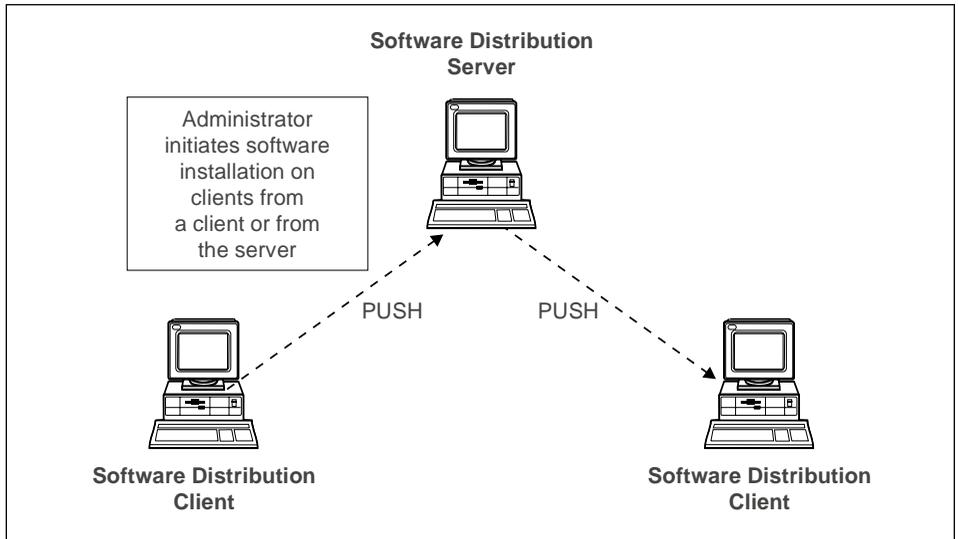


Figure 4. Software installation using Push mode

- Pull Mode

A client workstation that is configured in pull mode is controlled by the user of that workstation. The user can install any software packages that have been authorized for installation on this workstation. Figure 5 on page 7 illustrates the use of pull mode.

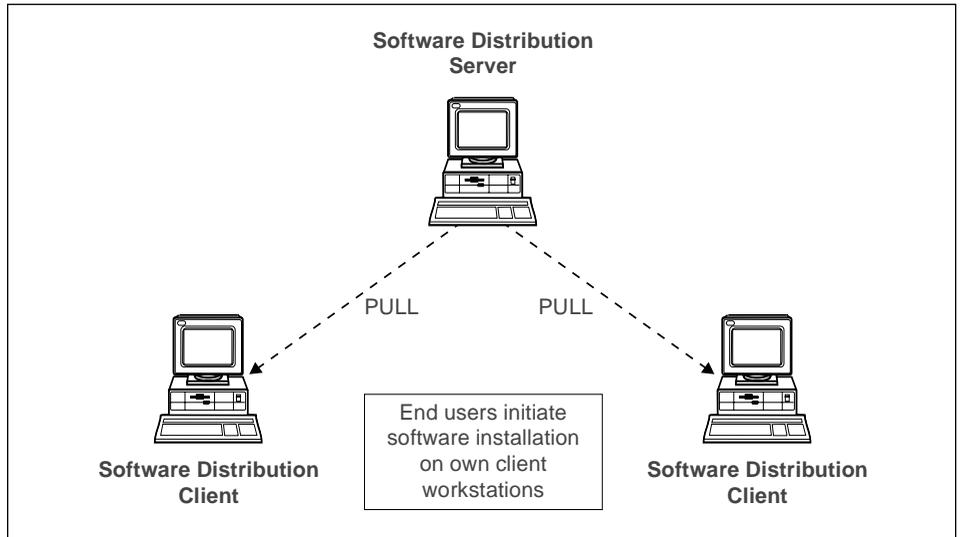


Figure 5. Software installation using Pull mode

The following installation operations can be performed at a client in either push mode or pull mode:

- **Install a new software package on a client workstation**

Software installed on a client is available for use immediately or, in some cases, after the client is started. An installation request can also check that prerequisite and corequisite software is present on a client before you install a software object.

- **Apply updates to current software**

Modify software so that original files are either replaced or removed automatically.

- **Apply fixes to software**

When fixes to installed software are released, apply them to the existing software.

- **Back up to the previous level of software**

Optionally, install software so that it is *removable*. This option installs the software but saves a copy of the previous maintenance level so that it can be restored if necessary.

- **Accept changes permanently**

After installing a change file, request that the software installed become permanent. After accepting software, you can no longer back up to the previous version or level.

- **Uninstall one or more software packages installed previously**

Remove software from a client.

## Using Software Distribution

- **Activate software**

Restart a client after software is installed on it, so that the newly installed software is ready for use.

## Sending and Retrieving Files

From a client you can also:

- **Distribute data files**

Send data files across the network to any workstation with a TME 10 Software Distribution product installed.

- **Retrieve data files**

Receive any file made available to the client workstation or specific end user by the administrator at the server. Such files can be physically present on any workstation across the network with a TME 10 Software Distribution product installed.

## Building Software Objects

The builder, or package preparer, is typically a programmer who is authorized by the administrator to prepare the software to be installed using a TME 10 Software Distribution product. As a builder, you prepare software objects at your client and catalog them at the server.

Each separate application or system software product to be distributed must be included in a package suitable for installation by the TME 10 Software Distribution product at the client workstation it is destined for. When you build a software object at a client workstation *preparation site*, you can also catalog it at the server.

Two user interfaces provide you access to the facilities used to perform these operations; a *graphical interface* and a *command-line interface*.

## Administering TME 10 Software Distribution from a Client

A client workstation can be authorized to use all TME 10 Software Distribution functions, including those used to administer a network. If your client is so authorized, you can:

- **Define users of client workstations**

Users must belong to a user authorization profile. They can be included in one of the three TME 10 Software Distribution default user authorization profiles, or in a specific authorization profile created for your operational needs.

Further security mechanisms can be defined by associating a user with data access keys and target access keys that permit them to work only with specific data and targets.

- **Define client workstations**

A workstation is configured by defining:

- The *type* of target it is

- The way change control functions can be performed on it (either push mode or pull mode)
- The type of operating system that runs on it
- The server it is connected to.

You can define the time frame in which change control activities can be performed on the workstation. Targets can be grouped as well.

- **Initiate controlled installation of software packages by the server on client workstations**

The administrator schedules and initiates distribution and installation of change files in push mode from a server, although they can also be performed from client workstations.

- **View the status of software packages on client workstations**

You can display the history of a change file or a target.

- **Manage distribution queues**

You can view local and remote queues that contain change control requests.

- **Track and manage distribution requests**

You can view requests that have been submitted to the system at the request, domain, and target level. Depending on their status, requests can also be held, released, deleted, purged, and rescheduled.

- **Work with transmission plans**

On the AIX platform, if you install the plan option in any type of configuration, you can create and submit *transmission plans*. Transmission plans group numerous change control and distribution operations into a single unit. The operations can be scheduled for execution in any number of domains and any number of targets in a network. Plans can also be scheduled recursively, meaning their execution is repeated at regular intervals.

---

## Automatic Client Registration

Your clients can register automatically at their server the first time they connect to it. For autoregistration to occur, the AUTOMATIC TARGET REGISTRATION keyword in a server's base configuration file must be set to YES, and the TARGET ADDRESS and TARGET MODE keywords must be specified in the client base configuration file. See the alphabetical listing of the keywords in Chapter 7, "Editing the Base Configuration File" on page 109 for information on how to specify these keywords.

When a client is automatically configured, its address and mode are inserted into the server database. Any other parameters for the client must be specified manually at the server using the command-line interface.

Automatic configuration is performed at all remote servers connected in a linear hierarchy to the first server that registers the target if AUTOMATIC TARGET REGISTRATION is set to YES in each server's database. However, automatic target

## Automatic Client Registration

registration information is not routed to NetView DM/2 servers or NetView DM for MVS focal points.

---

## Chapter 2. Installing a Software Distribution for OS/2 Client

This chapter provides the information you need to install and configure a TME 10 Software Distribution for OS/2 client.

It includes a description of:

- The hardware and software required (“Planning” on page 12)
- How to install the product interactively (“Installing an OS/2 Client Interactively” on page 12)
- How to install the product using a response file (“Installing an OS/2 Client by Response File” on page 20)
- How to change your installation or delete the product (“Updating or Deleting Your Installation” on page 27)
- How to use the APPC configuration SmartGuide to configure for communication with the OS/2 server (“Configuring APPC for an OS/2 Client” on page 28)

You can install the client on OS/2 Warp 3.0.x, Warp 4.0 or Warp 4.5. You select the components you want to install. Your options are:

- TME 10 Software Distribution Client—the basic functions to allow the workstation to be a distribution target, plus the command line interface.
- TME 10 Software Distribution Mobile Client (with GUI)—the basic functions to allow the client to function without being attached to a server. Either the TME 10 Software Distribution Client component or the TME 10 Software Distribution mobile client component is required.
- TME 10 Software Distribution Client GUI—optional. Adds the interactive interface to the base TME 10 Software Distribution Client.
- Preparation site client—optional. The programs that support preparation of software objects.
- Hardware/software discovery tool—optional. The programs that support hardware and software inventory discovery. These programs come from the NetFinity product. If your workstation already has NetFinity Manager or NetFinity Services installed, do not install this component.
- TME 10 Software Distribution Client documentation—optional. The product manuals, message documentation, command documentation, and other information in INF format.

Hardware and software prerequisites for the OS/2 server are in the *TME 10 Software Distribution for OS/2 Quick Beginnings* manual.

# Installing a TME 10 Software Distribution Client for OS/2

---

## Planning

Before you begin, be sure you have the required hardware and software on your workstation.

## Hardware Prerequisites

The following are the hardware prerequisites:

- Processor appropriate for the version of OS/2 installed (see OS/2 product documentation)
- RAM appropriate for the version of OS/2 installed (see OS/2 product documentation)
- Disk space for TME 10 Software Distribution for OS/2 use:
  - 16 MB for the TME 10 Software Distribution Client
  - 25 MB for the TME 10 Software Distribution mobile client
  - 11 MB for the TME 10 Software Distribution Client GUI
  - 3 MB for the preparation site
  - 3 MB for the hardware/software discovery tool
  - 3 MB for documentation
- 5 MB disk space required temporarily during installation
- Token-ring or Ethernet card.

## Software Prerequisites

OS/2 Warp 3.0.x, Warp 4.0 or Warp 4.5.

## Communication Protocols

Communications protocols are required for server-client communication.

<b>NetBIOS</b>	Multiprotocol Transport Services (MPTS) 1.0 or later (LAPS level WR08000)  NetBIOS resources required are 3 sessions, 9 commands, and 4 names.
<b>TCP/IP</b>	IBM TCP/IP for OS/2 3.0, 4.0, 4.1 or 4.2.1
<b>IPX/SPX</b>	Novell NetWare Requester 2.10 or later
<b>APPC</b>	Communications Server, or Personal Communications (references to Personal Communications in the details that follow should be assumed to apply also to Communications Server).

---

## Installing an OS/2 Client Interactively

This section describes how to install an TME 10 Software Distribution Client for OS/2 interactively from the CD-ROM or a redirected drive.

Follow these steps:

# Installing a TME 10 Software Distribution Client for OS/2

- 1 Insert the CD-ROM and, from the SD4OS2\IMAGES directory, type install. The Welcome window, shown in Figure 6 on page 13, is displayed.

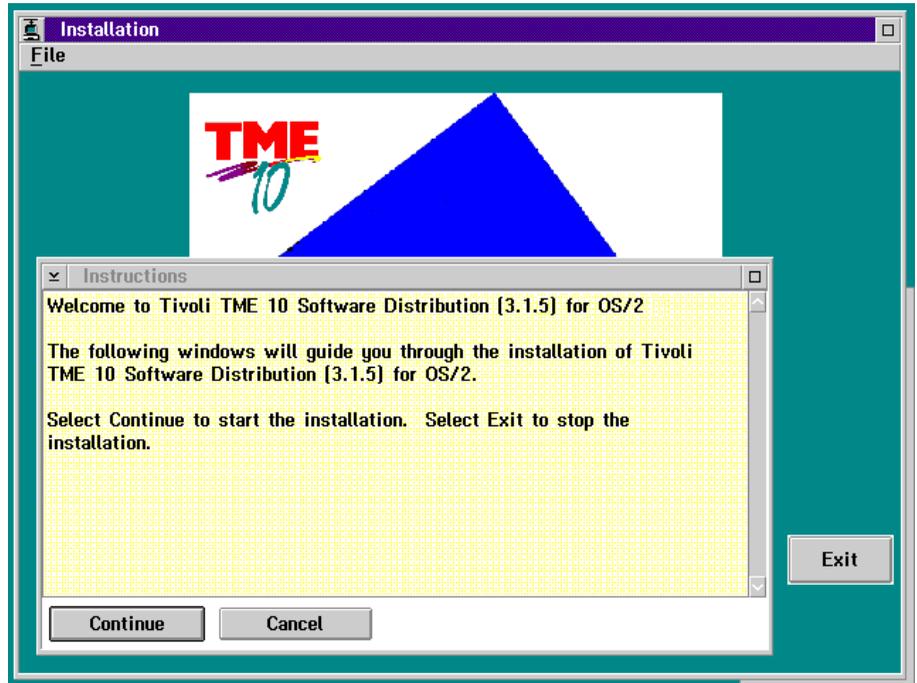


Figure 6. TME 10 Software Distribution for OS/2 Client - welcome window

- 2 Select **Continue**. The Install window, shown in Figure 7, is displayed.

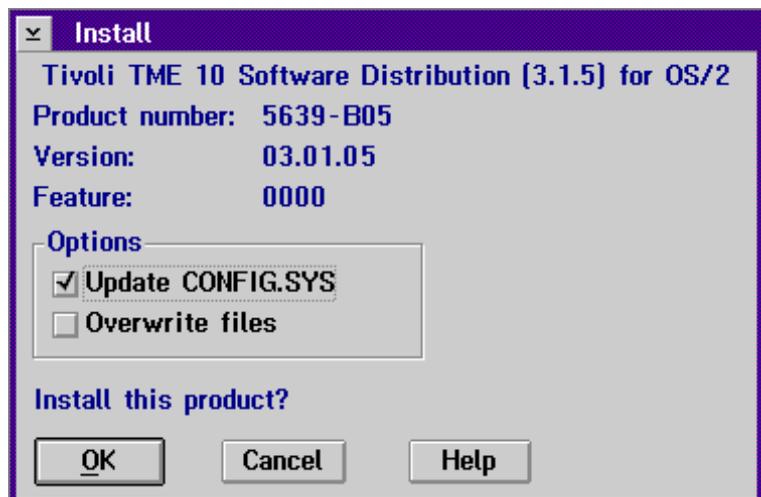


Figure 7. TME 10 Software Distribution for OS/2 Client - install window

## Installing a TME 10 Software Distribution Client for OS/2

- 3 Select **Update CONFIG.SYS** and then select **OK**.
- 4 In the Install - directories window, shown in Figure 8, select the components to install and the directory in which they are to be installed. This figure shows the default for the TME 10 Software Distribution for OS/2 directory, SOFTDIST.



Figure 8. TME 10 Software Distribution for OS/2 Client - install - directories window

Select the components you want to install and the directory on which to install the product.

It is recommended that you install the TME 10 Software Distribution Client Documentation component; the online helps sometimes refer to the INF documentation, and if you have not installed this component, you will not be able to link to it from the helps. To view the online documentation requires no software other than the operating system.

- 5 Optionally, click on **Disk space...** to view disk space available on all your drives, as shown in Figure 9 on page 15.

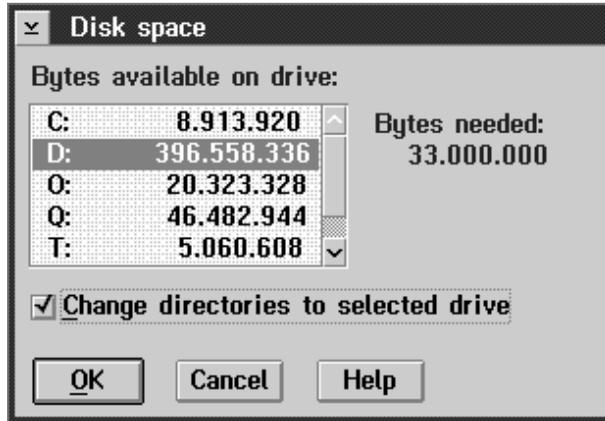


Figure 9. TME 10 Software Distribution for OS/2 Client - disk space window

Select a drive and click on **OK**.

- 6 In the Install - directories window, select **Install**.

Installation begins. Progress is shown in the Install - Progress window, shown in Figure 10.

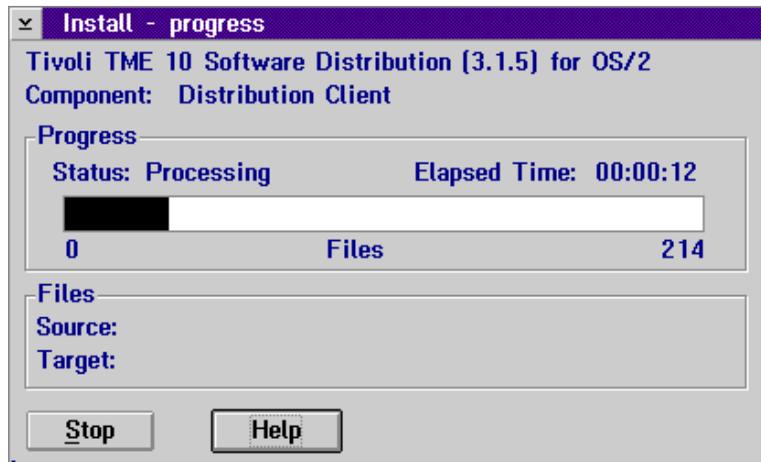


Figure 10. TME 10 Software Distribution for OS/2 Client - install - progress window

- 7 Installation continues until the TME 10 Software Distribution Configuration notebook, shown in Figure 11 on page 16, is displayed.

(Note that you can change the settings in this notebook after installation by using the TME 10 Software Distribution for OS/2 Configuration icon in the TME 10 Software Distribution for OS/2 folder.)

## Installing a TME 10 Software Distribution Client for OS/2

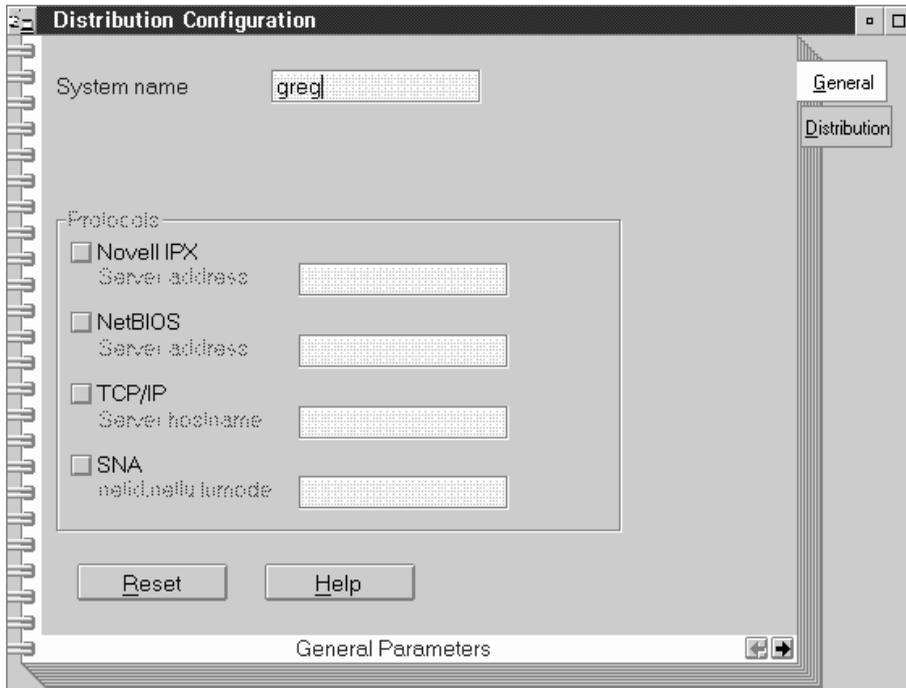


Figure 11. TME 10 Software Distribution for OS/2 Client - Distribution Configuration Notebook general page

Use the General page to specify the system name. In a client installation, the fields for communication protocols are disabled.

Enter information in only one field:

### System name

Name of this system in the TME 10 Software Distribution environment. This name can be, but is not required to be, the same as the NetBIOS name or TCP/IP hostname. The name cannot contain embedded blanks, and cannot contain the characters \* (asterisk), \ (backslash), or ? (question mark).

Note that the system name is case sensitive.

- 8 Use the Distribution page of the TME 10 Software Distribution Configuration notebook, shown in Figure 12 on page 17, to select software distribution configuration parameters.

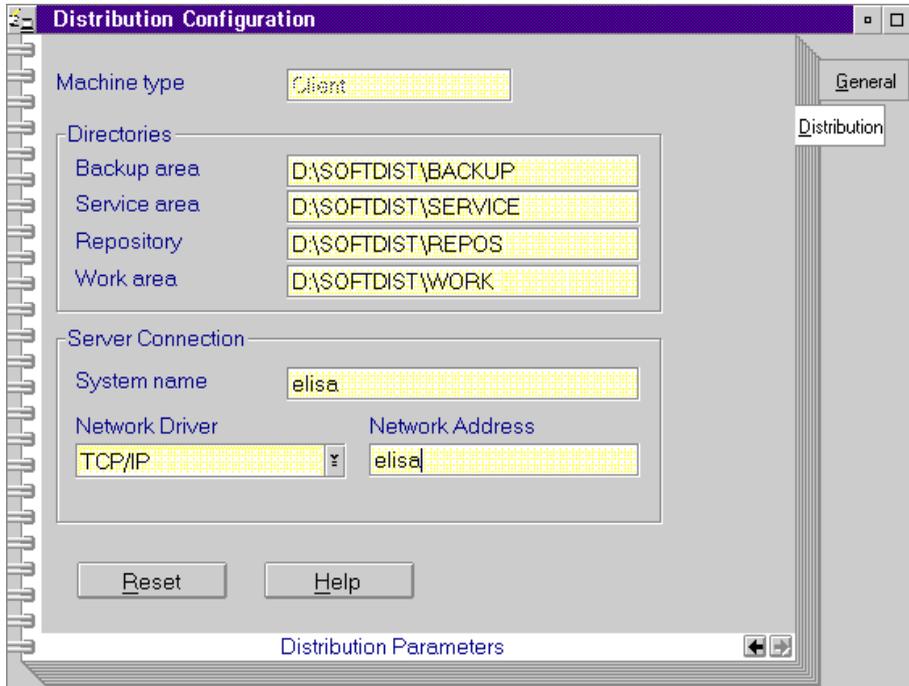


Figure 12. TME 10 Software Distribution for OS/2 Client - Distribution Configuration Notebook distribution page

The default directories are shown in the figure.

The fields of this page are as follows:

### **Machine type**

Software distribution workstation role. This entry is set to Client and cannot be changed.

### **Backup area**

An area where backups of previous levels of application are kept, for applications installed as removable.

### **Service area**

Temporary area for installations.

### **Repository**

Subdirectory for profiles and software objects.

### **Work area**

Temporary area used by TME 10 Software Distribution for OS/2 during the resolution of change management requests.

### **System name**

System name of the distribution server workstation, as assigned when the distribution server was installed.

## Installing a TME 10 Software Distribution Client for OS/2

You can change the distribution server to which this client is assigned after installation by using the TME 10 Software Distribution Client Configuration icon in the TME 10 Software Distribution for OS/2 folder to reopen the configuration notebook. After changing the server name in the notebook, enter the command:

```
nvdn svr new_server_name
```

### Network Driver/Network Address

Protocol used and distribution server address. Select only one protocol.

**NetBIOS** The value to insert for the network address is the network address of the distribution server, as it was entered when the server was installed. For an OS/2 or Windows NT server, you can find this network address in the server's configuration notebook, on the General page.

**TCP/IP** The value to insert for the network address is the hostname of the distribution server. To get the hostname value, type this TCP/IP command from a command prompt on the distribution server:

```
hostname
```

**IPX** The value to insert for the network address consists of:

- The 8-character network ID of the distribution server (pad the network address on the left with 0s to get a total of 8 characters), followed by:
- The 12-character node address for the adapter, which you can find in LANTRAN.LOG, followed by:
- 869F (the TME 10 Software Distribution for OS/2 socket address).

For example, if the network ID of the distribution server is 00000002 and the node address for the adapter is 4000ADC5A3BC, the value to insert is 000000024000ADC5A3BC869F.

Note that the network address is case sensitive.



It is also possible to connect a client to its server using APPC, but you cannot configure the connection using this notebook. See "Configuring APPC for an OS/2 Client" on page 28 for information about how to set up such a connection.

Close the notebook to save the configuration parameters.

**9** Installation continues with the window shown in Figure 13 on page 19.

## Installing a TME 10 Software Distribution Client for OS/2



Figure 13. TME 10 Software Distribution for OS/2 Client - configuration confirmation Window

Select **Yes** to activate the configuration and continue installation.

- 10 Installation ends. A pop-up message is displayed telling you that the new configuration will be used when the program is restarted. Select **OK**.
- 11 Select **Exit** in the bottom right corner of the screen. Shut down and restart the system. The TME 10 Software Distribution for OS/2 icon is added to the desktop.

To start using the product after installation, click on the desktop icon. The product folder is displayed, as shown in Figure 14.

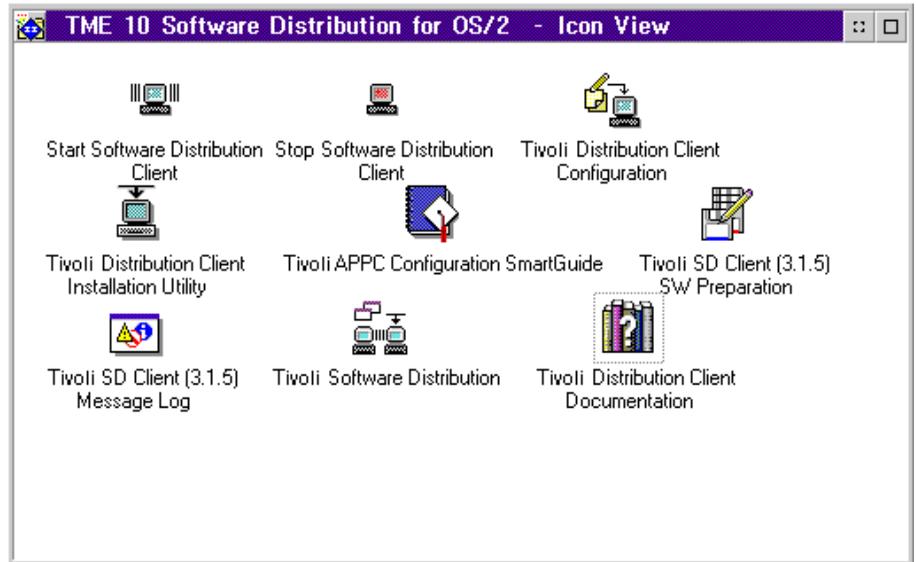


Figure 14. TME 10 Software Distribution for OS/2 Client - icon view

# Installing an OS/2 Client by Response File

---

## Installing an OS/2 Client by Response File

Because TME 10 Software Distribution for OS/2 conforms to the rules of the IBM configuration, installation, and distribution (CID) methodology, you can install TME 10 Software Distribution for OS/2 in unattended fashion. This means that you can enter into a response file all the information for which you would otherwise be prompted during installation and configuration.

You can use response files to install TME 10 Software Distribution for OS/2 from the CD-ROM or from a redirected drive.

The following sections describe how to install TME 10 Software Distribution for OS/2 automatically and how to write response files that configure the TME 10 Software Distribution for OS/2 options.

## Using the Installation Command

The INSTALL command is available to install the OS/2 client.

Enter INSTALL followed by the installation parameters at the command prompt of the CD drive. To install TME 10 Software Distribution for OS/2 in unattended mode, add the /X parameter.

## Parameters

Parameters can be in any order. Values can be in upper- or lowercase. You can use an equal sign (=) or colon (:) with the parameters. (The following syntax uses the : format.)

The parameters are:

- /A:<action>
- /C:<catalog file name>
- /L1:<message log>
- /L2:<history log>
- /L3:<unattended configuration error log>
- /O:<originating system>
- /P:<product name>
- /R:<response file>
- /S:<source location>
- /T:<installation target location>
- /TU:<update CONFIG.SYS>
- /X <interactive flag>

The definition for each command prompt parameter is:

**/A:<action>**

Specifies the action for INSTALL to execute. Possible values for this parameter are:

- D to Delete
- I to Install
- R to Restore
- U to Update

If you omit this parameter, the installation starts interactively with all windows displayed.

If you specify D, be sure that no TME 10 Software Distribution for OS/2 processes are active, or the deletion will fail.

**/C:<catalog file name>**

Specifies the name and location of the catalog file that you want to be opened automatically. This is not a required parameter; if you do not enter it, the default catalog file is opened.

**/L1:<message log>**

Specifies the drive, path, and file name of the installation log file for information, warning, and error messages. All lines logged to this file are prefixed with a time stamp.

**/L2:<history log>**

Specifies the drive, path, and file name of the installation history log file. All lines logged to the history file are prefixed with a time stamp.

**/L3:<unattended configuration error log>**

Specifies the drive, path, and file name of the log for error and warning messages issued during an unattended configuration.

**/O:<originating system>**

Specifies the originating system of the installation. The value for this parameter is *DRIVE*.

**/P:<product name>**

Provides the name of the product for the specified action. The value must be TME 10 Software Distribution for OS/2, enclosed in double quotation marks.

**/R:<response file>**

Specifies the drive, path, and name of the response file you are using to drive the installation.

**/S:<source location>**

Specifies the drive and path containing the source files to install. You can omit this parameter if you run INSTALL from that same location. Omit this parameter if /A is set to D for delete.

## Installing an OS/2 Client by Response File

### **/T:**<installation target location>

Specifies the drive and path where TME 10 Software Distribution for OS/2 is to be installed, or from which it is to be deleted if /A is set to D for delete. The default is <drive>\SOFTDIST.

### **/TU:**<update CONFIG.SYS>

Specifies the drive and path of the CONFIG.SYS to be updated by INSTALL. Be sure to include a backslash at the end of the path; for example, code:

```
/TU:C:\
```

### **/X**

Specifies that the action is unattended. This parameter is required for unattended installation.

## Examples

The following is an example of INSTALL executing the unattended installation of a TME 10 Software Distribution for OS/2 client with a response file from directory CLIENT\_2 of redirected drive Z:

```
INSTALL /X /A:I /L1:D:\MSG.LOG /L2:D:\HISTORY.LOG /L3:D:\CONFIG.LOG ▶  
/O:DRIVE /P:"TME 10 Software Distribution for OS/2" ▶  
/R:D:\RSP\SDISTCLT.RSP /S:Z:\CLIENT_2 /T:D:\SOFTDIST /TU:C:\
```

The following is an example of INSTALL removing the TME 10 Software Distribution for OS/2 client from the same workstation, using the same response file:

```
INSTALL /X /A:D /L1:D:\MSG.LOG /L2:D:\HISTORY.LOG /L3:D:\CONFIG.LOG ▶  
/O:DRIVE /P:"TME 10 Software Distribution for OS/2" ▶  
/R:D:\RSP\SDISTCLT.RSP /T:D:\SOFTDIST /TU:C:\
```

## Response File Layout

A response file is a flat ASCII file that consists of a series of lines separated by new line sequences. You can write or edit a response file with any editor.

Each line in a response file has a maximum length of 255 bytes.

Response file lines have the following syntax:

```
keyword = value
```

Keywords cannot contain embedded spaces.

To include a comment line, place a semicolon (;) as the first character on the line.

"Response File Keywords" on page 24 explains what the keywords mean.

If the value of a keyword is shown in the form \$(value), substitute your own value or, for optional keywords, accept the default shown under "Response File Keywords."

## Sample Response File for an OS/2 Client

This sample is provided for your use in the SD4OS2\SAMPLES directory on the product CD-ROM.

```

;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
;;
;; DESCRIPTION:  TME 10 Software Distribution for OS/2 Client ;;
;;               sample configuration                       ;;
;;
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
;; WARNING WARNING WARNING WARNING WARNING WARNING WARNING ;;
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
;; Workstation specific variables are enclosed between $( and ); for ;;
;; each of these variables you are required to specify a value before ;;
;; using the response file.                                     ;;
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
; Target path
FILE = $(CFGPATH)

; Work area
; It is the path for the data directory
WORK = C:\

; TME 10 Software Distribution components to install
COMP = Distribution Client
COMP = Preparation Site Client GUI
COMP = Distribution Client GUI
COMP = Distribution Client Documentation
;COMP = Distribution Mobile Client
;COMP = Preparation Site Mobile Client GUI
;COMP = Distribution Mobile Client GUI
;COMP = Hw/Sw Discovery Tool

DELETEBACKUP = No
SAVEBACKUP    = Yes
CFGUPDATE     = Auto
OVERWRITE     = Yes

; Software Distribution System Name. This identifies the system in the network
; mandatory
SystemName    = $(SYSTEMNAME)

; Distribution Client's target address. Warning: this field should be
; max 8 characters in length.
; This field is mandatory if you have already installed a client and
; if you have changed the default TargetAddress value.
;TargetAddress = antob

; Network drivers and Network addresses
; You may specify five types of driver keywords. The value used is 1 or 0.
; Parm1 keyword is required for NETBIOS Driver.
; mandatory

```

## Installing an OS/2 Client by Response File

```
| ; Driver.NETBIOS = 1
| ; Parm1.NETBIOS = antob
| ; Distribution Client's hostname
| ; TCP.Hostname = $(HostName)
| ; Driver.TCPIP = 1
| ; Driver.IPX = 1
|
| ; Distribution directories
| ; BackupArea = $(CMBKUP)
| ; ServiceArea = $(CMSVCE)
| ; Repository = $(REPOSITORY)
| ; WorkArea = $(CMWORK)
|
| ; Software Distribution Server Connection
|
| ; Distribution Server's System Name
| ;ServerName = $(SERVER)
|
| ; Network driver (TCP/IP for TCP/IP, NB for NETBIOS, TLI for IPX)
| ;ServerDriver = NB
|
| ; Distribution Server's address (hostname for TCP/IP, NETBIOS/IPX address
| ; for NETBIOS/IPX)
| ;ServerAddress = 08005AF4AD8F
|
| ;Inventory program path
| ;It is the path for the inventory program
| ;InventoryProgram= $(FILEPATH)BIN\FNDINV.EXE
```

### Response File Keywords

In this section, the response file keywords are grouped into the following types:

- Installation definition
- General parameters configuration
- Software distribution configuration

### Installation Definition Keywords

#### **CFGUpdate**

Specifies whether the system CONFIG.SYS file is to be automatically updated at installation. The value can be:

#### **Auto**

To update

#### **Manual**

Not to update

Type: Required

## COMP

Specifies the names of the TME 10 Software Distribution for OS/2 client components that you want to install. Use one COMP keyword for each component.

Possible component names for a TME 10 Software Distribution for OS/2 client are:

### **Distribution Client**

Is the base TME 10 Software Distribution for OS/2 client.

### **Distribution Mobile Client (with GUI)**

Is the base TME 10 Software Distribution for OS/2 client for mobile workstations.

### **Distribution Client GUI**

Adds the interactive interface to the base distribution client.

### **Preparation Site Client**

Adds the capability to prepare objects for software distribution.

### **Hw/Sw Discovery Tool**

Adds the capability to discover hardware and software on the workstation.

### **Distribution Client Documentation**

Adds the INF version of the product publications and information files.

## **DeleteBackup**

Specifies whether to delete any backup versions of TME 10 Software Distribution for OS/2. The value can be **yes** or **no**.

Type: Required

## **File**

Provides the new default path for the TME 10 Software Distribution for OS/2 file directory.

Type: Required

## **Overwrite**

Specifies whether to automatically overwrite files during installation. The value can be **yes** or **no**.

Type: Required

## **SaveBackup**

Specifies whether to save a backup version of TME 10 Software Distribution for OS/2 when it is updated. The value can be **yes** or **no**.

Type: Required

## **Work**

Provides the new default path for the TME 10 Software Distribution for OS/2 data directory.

Type: Required

# Installing an OS/2 Client by Response File

## General Parameters Configuration Keywords

### Driver

Specifies the protocols used by the workstation to communicate with other machines in the TME 10 Software Distribution network.

At least one of the following **Driver** keywords is required in the response file:

- Driver.TCPIP
- Driver.NetBIOS
- Driver.IPX

The value is 1 if the protocol is used and 0 if it is not used. You can specify more than one driver.

Type: Required.

### SystemName

Name of this system in the TME 10 Software Distribution for OS/2 environment.

Type: Required

## Distribution Configuration Keywords

### BackupArea

Is the new default path for the backup directory. The default is <drive>\SOFTDIST\BACKUP

Type: Optional

### Repository

Is the new default path for the repository directory. The default is <drive>\SOFTDIST\REPOS

Type: Optional

### ServiceArea

Is the new default path for the service directory. The default is <drive>\SOFTDIST\SERVICE

Type: Optional

### WorkArea

Is the new default path for the workarea directory. The default is <drive>\SOFTDIST\WORK

Type: Optional

### InventoryProgram

Is the new default path for the inventory program. You must specify this keyword only if you install the Hardware and Software Discovery Tool component. The default is <drive>\SOFTDIST\BIN\FNDINV.EXE

Type: Optional

### ServerAddress

Is the network address of the software distribution server. Depending on the type of LAN transport, it is the network address (NetBIOS), the host name (TCP/IP), or the network ID followed by the node address (IPX).

Type: Required

## ServerDriver

Is the type of LAN transport the workstation uses when connecting to the distribution server. The value can be:

**TCP** For TCP/IP

**NB** For NetBIOS primary adapter

**TLI** For IPX

Type: Required

## ServerName

Is the **SystemName** of the server to which this workstation is connected.

Type: Required

## Updating or Deleting Your Installation

You may need to update your installation, for example to add a component you had not installed previously, or you may wish to uninstall TME 10 Software Distribution. To do so, click on the **Installation Utility** icon in the product folder. The Installation and Maintenance window is displayed. Use the **Action** pull-down menu, as shown in Figure 15, to specify what you want to do.

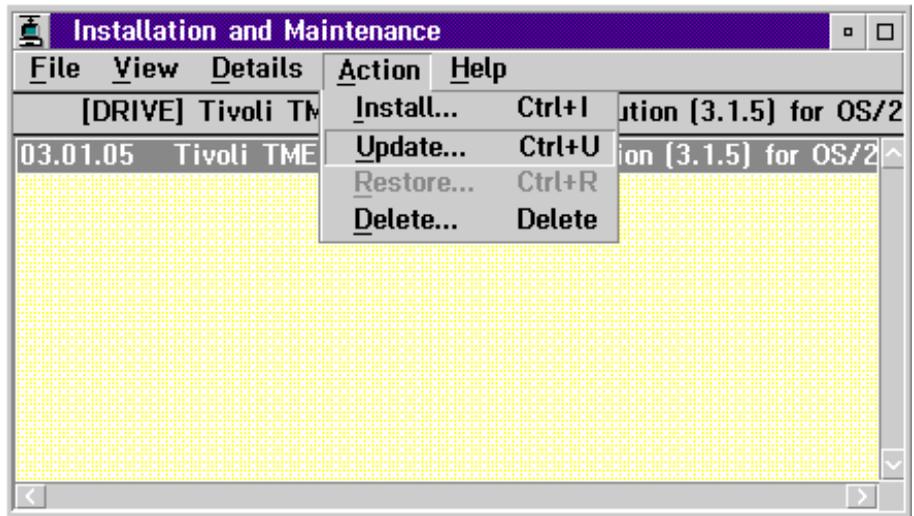


Figure 15. Installation and maintenance window

Use **Install...** to return to the interactive installation process and install components that were previously not installed.

Use **Update...** to install new versions of components and fixes.

Use **Delete...** to uninstall the product.

## Configuring APPC for an OS/2 Client

Be sure to stop the distribution server before making any changes to your installation.

---

### Updating Your Configuration

To modify your configuration, click on the **Configuration** icon in the product folder to reopen the configuration notebook.

---

### Configuring APPC for an OS/2 Client

You can connect your OS/2 TME 10 Software Distribution client to an OS/2 TME 10 Software Distribution server using APPC. To do so, you must configure an APPC link between client and server by configuring a connection between two transaction programs that reside on the two workstations. The programs are in both cases supplied as part of the TME 10 Software Distribution product.

Every time the APPC connection is established, a remote conversation can take place between these two programs; the programs take turns sending requests and waiting for their replies.

When you configure an APPC connection, you define two logical units of type 6.2, one on each system, that provide the path through which the conversation can take place. You define to each system the logical unit names and the transaction program names for the local system and for the remote (partner) system. You also define the mode in which the conversation takes place.

### Using the APPC Configuration SmartGuide

The APPC Configuration SmartGuide assists you in setting up a server-to-server (STS) connection over APPC between your OS/2 client and the OS/2 server. You enter the required values, and the tool takes care of placing them where they are needed.

To start it, click on the *APPC Configuration SmartGuide* icon in the product folder.

First, supply a configuration name. The tool uses it to name the configuration files it creates. Next, provide the requested names and addresses, first for your client and then for the server, with which you wish to create the STS connection.

After you have finished entering the configuration information, the SmartGuide creates a response file to generate the Personal Communications configuration and optionally install Personal Communications; this response file can later be installed by the SmartGuide with the Personal Communications CMSETUP command.

After the response file has been created, you can choose to review it and change any of the preset keyword values.

Finally, you can have the SmartGuide install the response file automatically to generate the Personal Communications APPC configuration files. Alternatively, you can just exit the tool and install at another time by reentering the configuration name.



1. This SmartGuide generates only new Personal Communications APPC configurations; it cannot update an existing configuration.
2. When you install the response file, the resulting configuration files are added to the CMLIB directory. You can make this configuration the current one through CMSETUP. Any existing configurations you may have are not deleted, but you may have to add additional features manually.

---

### Assigning a Password to the User Root

If you assign a password to the user root, you must add this password to the following icons:

- The Start and Stop TME 10 Software Distribution Client icons, which you select from the TME 10 Software Distribution folder.
- The Start TME 10 Software Distribution Client icon, which you select from the OS/2 System - Icon View folder.

If you do not perform these updates the product does not start correctly at the automatic startup.

To add the root's password to the various Start and Stop TME 10 Software Distribution icons, perform the following steps:

1. Locate the icons:
  - In the TME 10 Software Distribution folder you will find a Start TME 10 Software Distribution Client icon and a Stop TME 10 Software Distribution Client icon
  - To find the Start TME 10 Software Distribution Client icon in the OS/2 System - Icon View folder you should:
    - a. Click on the OS/2 System icon. The OS/2 System icon View folder appears
    - b. Click on the Startup icon. The Startup - Icon View folder appears
2. For each icon in turn, click on the icon with the right mouse button, and select Properties. The icon Properties window appears.
3. Select the Program tab.
4. Update the **Optional Parameters** field by adding the -p parameter as follows:  
`start -u root -p <password>`  
where <password> is the root's password.



---

## Chapter 3. Installing a TME 10 Software Distribution, Version 3.1.5 for AIX Client

TME 10 Software Distribution, Version 3.1.5 for AIX Client is distributed as a refresh, that you can use to install the product from scratch or to migrate from NetView DM/6000 Version 1.2.X, or as PTF U447466 *TME 10 Software Distribution for AIX update*,

which you install on top of TME 10 Software Distribution for AIX Version 3.1.X, where X must be greater than 0. The PTFs are provided only in English and can be installed only on top of the English version of the product (to install them, follow the instructions given in the Memo to Users provided with the PTFs themselves).

This chapter provides all the information required to install and configure TME 10 Software Distribution, Version 3.1.5 for AIX Client. It includes a description of:

- The hardware and software required (“Planning”)
- How to install the product (“Installing TME 10 Software Distribution for AIX Client” on page 34)
- How to migrate from Version 1.2 (“Migrating from Version 1.2.X to TME 10 Software Distribution, Version 3.1.5 for AIX Client” on page 38)
- How to attach a client to multiple servers (“Attaching to Multiple Servers” on page 43).

---

### Planning

This section lists all the hardware and software required to install the product.

#### Hardware Prerequisites

TME 10 Software Distribution for AIX Client can be installed and used on RISC System/6000, POWERstations, POWERservers, and PowerPCs. If you install the X/Motif graphical interface, you also need a graphics monitor and adapter. To support SNA/DS or TCP/IP communication, the RISC System/6000 workstation must be equipped with one of the following communication adapters:

- Ethernet
- Multiprotocol
- Portmaster
- Serial (SLIP)
- Token-Ring
- X.25 coprocessor

#### Disk Space Requirements

The installation disk space required for TME 10 Software Distribution for AIX Client refers to the journaled file system, which contains all the files used by the product. The

## Installing a TME 10 Software Distribution for AIX Client - Planning

amount of disk space used by the journaled file system can be either fixed or variable, depending on which of the following ways you use to create it:

### Before installation

If you want to determine the journaled file system size yourself, then you can define its dimensions according to the TME 10 Software Distribution for AIX Client options you plan to install.

### During installation

If you start the installation procedure without an existing journaled file system, the system created during the installation procedure will occupy a default disk space of 12 MB. However, its dimension can also be determined according to the options you plan to install and the disk space they require. The client option requires 8MB of disk space. If you install the graphical interface, you need an additional 4 MB of disk space, while the NLS option requires 13 MB of space.

## Memory Requirements

The minimum memory required to run TME 10 Software Distribution for AIX Client when a complete configuration is installed (the client and NLS options with the graphical interface running) is 16 MB.

To support client/server operations, your workstation must have one valid TCP/IP enabled adapter.

## Software Prerequisites

The installation procedures described in “Installing TME 10 Software Distribution for AIX Client” on page 34 require that the following prerequisite software be installed. If it is not, the installation does not complete.

### AIX Base Operating System (BOS)

You need AIX Version 3.2.5 Extension or higher ; supported versions are 4.1, 4.3.2 and 4.3.3. Later versions must be downward compatible with Version 3.2.5 Extension

### AIX BOS Network Facilities (BOSNET) TCP/IP Option

This option must be installed to communicate with the server.

### Data link control drivers

You need suitable data link control drivers so that you can achieve remote communications. These drivers are supplied with the basic AIX operating system, as part of the BOSNET2 extension.

The drivers that you need depend upon the physical link that you are using. There are drivers for Token Ring and SDLC.

### BOSNET.SNMPD.OBJ File

If you want to take advantage of the NetView for AIX Version 2 facility (or the previous NetView/6000 Version 2, 3, or 4) that routes SNA alerts from TME 10 Software Distribution for AIX to NetView for AIX and then to NetView DM for MVS on the mainframe, this file must be installed both on your client and its server.

**AIXwindows**

You need AIXwindows Version 1.2, Motif 1.2, and the appropriate font support if you intend to install the graphical interface. For Motif 1.2 install PTF U424846, PTF 435138, and any other prerequisite PTFs.

In addition, you must also have the following filesets installed.

- **AIX 3.2.5**
  - x11rte.obj
  - x11rte.motif1.2.obj.1.2.3
- **AIX 4.1, 4.3.2 or 4.3.3**
  - x11.base.rte
  - x11.motif.lib
  - x11.motif.mwm

---

## TME 10 Software Distribution for AIX Client Packaging

TME 10 Software Distribution for AIX Client is delivered in a package containing two installp OPP options. These options are:

**netviewdm6000.client.obj**

This is the client base option that contains the nucleus of the program. It must be installed. Once it is installed, the product messages must be installed as well.

**netviewdm6000.cgi.obj**

The graphical interface option. You do not need to install this option to have a working system. It cannot be installed unless the client base option (`netviewdm6000.client.obj`) and the `x11rte` product have been installed. The `gitext` option, which is part of the NLS package, must also be installed before the graphical interface can be used.

When this package is purchased, an additional package containing NLS (National Language Support) options is also provided. This package includes product messages, graphical interface text files, and product documentation in various formats in the language the package is ordered in. The options included in it are:

- Message** This file contains product messages and files used for routing messages to NetView/6000. The client option is a prerequisite.
- Gitext** This file contains the text displayed on graphical interface windows, and graphical interface online help. The graphical interface option is a prerequisite. If Gitext is not installed, the graphical interface cannot be used.
- Man** This file contains man (manual) pages for the product, which allow information related to command line commands to be displayed online. The base option is a prerequisite.

## Installing TME 10 Software Distribution for AIX Client

- |              |   |
|--------------|---|
| <b>Dtext</b> | This option contains the TME 10 Software Distribution for AIX manuals in DynaText format.             |
| <b>PS</b>    | This option contains the TME 10 Software Distribution for AIX manuals in printable PostScript format. |

Only the client base option is mandatory to have a working system.

---

## Installing TME 10 Software Distribution for AIX Mobile Client

TME 10 Software Distribution for AIX Mobile Client is delivered in the `netviewdm6000.mobclient.3.1.5.0` package containing one installp OPP option. Mobile clients are local targets on which it is possible to do change management operations without connection to a server. The option is:

### **netviewdm6000.client.obj**

This is the client base option that contains the nucleus of the program. It must be installed. Once it is installed, the product messages must be installed as well.

For detailed information about the installation steps, see “Installing TME 10 Software Distribution for AIX Client Using SMIT.”

---

## Installing TME 10 Software Distribution for AIX Client

This section explains how to install TME 10 Software Distribution for AIX Client using:

- SMIT (“Installing TME 10 Software Distribution for AIX Client Using SMIT”)
- The `installp` command (“Installing TME 10 Software Distribution for AIX Client Using `installp`” on page 36).

## Installing TME 10 Software Distribution for AIX Client Using SMIT

This section explains how to install TME 10 Software Distribution for AIX Client using the System Management Interface Tool (SMIT). To install TME 10 Software Distribution for AIX Client using SMIT you need root privileges.

- 1 Enter the command:

```
smitty install_selectable_all
```



If you start SMIT in a graphical interface, you will not be able to use the TAB key or PF keys described in this section. You must use a mouse or *smitty* to perform the same operations.

- 2 Press F4 for a list of devices or directories from which the options are to be installed, or perform step 3 on page 35.

## Installing TME 10 Software Distribution for AIX Client

- 3 In the INPUT device/directory for software field select the input device or directory from which you are installing the package. You must use the full path name of the device or directory.
- 4 In the SOFTWARE to install field, press F4 to see a list of the options that can be installed, or perform step 5.
- 5 Select the name of the options to install. The possible options are shown in Table 3.

Table 3. TME 10 Software Distribution for AIX Client Product Options and Their Prerequisites

Option Name	Descriptive Name	Prerequisites
netviewdm6000.client.obj	Client base option	AIX Operating System 3.2.5 or higher TCP/IP 3.2 or higher
netviewdm6000.cgi.obj	Graphical interface	Base Gitext x11rte filesets
netviewdm6000.msg.en_US	Product messages in US English for the ISO 8859-1 code set	Base
netviewdm6000.gitext.en_US	Graphical interface text in US English for the ISO 8859-1 code set	Graphical interface
netviewdm6000.man.en_US	Man pages in US English for the ISO 8859-1 code set	Base
netviewdm6000.dtext.en_US	DynaText documentation in US English	None
netviewdm6000.ps.en_US	PostScript books in US English	None
netviewdm6000.msg.En_US	Product messages in US English for the IBM-850 code set	Base
netviewdm6000.gitext.En_US	Graphical interface text in US English for the IBM-850 code set	Graphical interface
netviewdm6000.man.En_US	Man pages in US English for the IBM-850 code set	Base

- 6 Set the following options on the Install/Update from All Available Software Packages menu:

## Installing TME 10 Software Distribution for AIX Client

Automatically install prerequisite software	[No]
Commit software	[Yes]
Save replaced files	[Yes]
Verify software	[No]
Extend file systems if space needed	[Yes]
Remove input file after installation	[No]

Your AIX system may also prompt you to enter:

Overwrite existing version	[Yes]
ALTER save directory	[ ]



The above is an *example* of how SMIT installation options can be set. Other settings are possible. For example, if the Automatically install prerequisite software is set to Yes, then the client option would automatically be installed when the graphical interface option is installed.

When the installation is complete, **OK** appears in the Command field.  
TME 10 Software Distribution for AIX Client has been installed successfully.

## Installing TME 10 Software Distribution for AIX Client Using installp

To install TME 10 Software Distribution for AIX Client using the installp line command you need root privileges. To do so, enter the following command from the command line:

```
installp -qa -d <device> -c -N -X <option>
```

Where:

<device>	Is the name of the input device or the directory where the option is stored.
<option>	Identifies the options to be installed. Available options are listed in Table 3 on page 35.

When the installation completes, the command prompt is shown again.  
TME 10 Software Distribution for AIX Client has been installed successfully.

## Reinstalling TME 10 Software Distribution for AIX Client

You can reinstall either of the TME 10 Software Distribution for AIX Client options. You would have to do this, for example, if you alter your existing installation by deleting an executable file.

To reinstall TME 10 Software Distribution for AIX Client, you need root privileges.

## Using SMIT

From the command line, enter:

```
smit
```

Proceed with the installation on the Install Software Without Updates screen.



If your current product has been installed with the `Commit` software option on the Install Software With Updates menu set to `Yes`, then you must set the `Overwrite existing version` option to `Yes` before reinstalling the `installp` package. If your current product has been installed with the `Commit` software option set to `No`, you must remove it before reinstallation.

## Using installp

You use the same command as when you installed the package the first time but you must add the `-F` flag to force `installp` to overwrite your previous copy of the software.

To reinstall TME 10 Software Distribution for AIX Client, enter the following command from the command line.

```
installp -ac -F -X -d <device> <option>
```

The description of the parameters is the same as that for the installation procedure, above.

## Saving a Configuration

If you reinstall TME 10 Software Distribution for AIX Client, all of your configuration is lost. If you want to save your configuration during a reinstallation, you must do so at the server. Copy it to a safe location beforehand, and copy it back afterwards.

Save your configuration at the server as follows:

- 1 Find a secure volume to save the configuration files. Use, for example, your home directory (`usr/john`).
- 2 Copy the database to your safe directory using the command  

```
cp -p -R /usr/lpp/netviewdm/db /usr/john/config
```
- 3 Reinstall your TME 10 Software Distribution for AIX Client options as described above.
- 4 Restore the TME 10 Software Distribution for AIX database using the command  

```
cp -p -R /usr/john/config/* /usr/lpp/netviewdm/db
```

## Migrating from Version 1.2.X to TME 10 Software Distribution, Version 3.1.5 for AIX Client

You can migrate from NetView DMA/6000 Version 1.2.X, where X is greater than 0, to TME 10 Software Distribution, Version 3.1.5 for AIX Client using either smitty or NetView DM/6000 itself. The migration procedure is in two parts:

1. Migrate from NetView DMA/6000 Version 1.2.X to TME 10 Software Distribution for AIX Client Version 3.1.4, by saving the product files from the old version and then installing the new version.
2. Migrate from TME 10 Software Distribution for AIX Client Version 3.1.4 to TME 10 Software Distribution, Version 3.1.5 for AIX Client

Both migrations are described below.



- If you have NetView DMA/6000 Version 1.2.X installed, where X is less than 2, you have to install NetView DMA/6000 Version 1.2 before migrating to TME 10 Software Distribution 3.1.4.

The table that follows shows the PTF numbers you have to install to update the NetView DMA/6000 to the version 1.2.X.

<b>PTF Numbers</b>	<b>Level</b>
-	1.0.0.0
U422261	1.0.0.1
U429963	1.0.1.0
U433559	1.0.2.0
U436929	1.0.2.1
U438390	1.0.2.1.U
U441843	1.0.2.2

- Before you begin the migration procedure, make sure there are no pending change control or distribution requests between the client and its servers.
- You must manually remove any Version 1.2.X options that no longer exist in TME 10 Software Distribution for AIX Client (for example `netviewdm6000.c\books.obj`), or any options that you are not migrating.
- In addition, remember to set the current installation to Commit before proceeding with the migration.

# Migrating from Version 1.2.X to TME 10 Software Distribution, Version 3.1.5 for

**Migrated Files:** The migration procedure migrates the files shown in Table 5 on page 39 from Version 1.2 to TME 10 Software Distribution for AIX Client. The files listed are all stored in the /usr/lpp/netviewdm directory.

Version 1 Release 2	Version 3 Release 1
db/nvdm.cfg	db/nvdm.cfg
fndhwinv	fndhwinv
fndswinv	fndswinv

**Using Smitty to Migrate:** The images you need to migrate the product are located by default in directory /usr/sys/inst.images. Images may be located in a directory different from the default one. If this is the case then you must change the directory indications in all the commands and profiles referred to in the description of the migration procedure.

To migrate using smitty, perform the following steps:

- 1 Before installing NetView DM/6000, you must save some product files. Use one of two methods to do so:

- To use the *manual method*, issue the following commands to copy files and directories into /usr/lpp/netviewdm6000/savemigr/:

```
mkdir -p /usr/lpp/netviewdm6000/savemigr
```

```
cp -f /usr/lpp/netviewdm/db/nvdm.cfg /usr/lpp/netviewdm6000/savemigr/  
cp -f /usr/lpp/netviewdm/fndhwinv /usr/lpp/netviewdm6000/savemigr/  
cp -f /usr/lpp/netviewdm/fndswinv /usr/lpp/netviewdm6000/savemigr/
```

- To use the *preinstallation script method*, issue the following command from the root directory "/" to extract the script:

```
restore -qf /usr/sys/inst.images/netviewdm6000.server.3.1.5.0 ▶  
-xv ./usr/lpp/netviewdm/script/preinst_cln.3150
```

After the restore command, the message The number of restored files is 1 indicates that the command was executed successfully.

The file can also be obtained from a TME 10 Software Distribution for AIX server.

- Enter:

```
ksh /usr/lpp/netviewdm/script/preinst_cln.3150
```

When you run preinst\_cln.3150, the following files, directories, and their contents are saved under the /usr/lpp/nvdm6000/backup directory:

- fndswinv file
- fndhwinv file
- db directory
- repos (REPOSITORY directory)

## Migrating from Version 1.2.X to TME 10 Software Distribution, Version 3.1.5 for

- backup (BACKUP directory)
- service (SERVICE directory)

If space is needed the file system /usr is enlarged automatically.

- 2 Install the `netviewdm6000.client.3.1.5.0` image by following the procedure displayed when you enter the command:  
`smitty install_selectable_all`
- 3 Respond to the prompt for the input device (for example `/usr/sys/inst.images`) and proceed to the next screen.
- 4 In the SOFTWARE to install field, press F4 to display a list of the options that can be installed. Select the desired options from among those listed in Table 3 on page 35.
- 5 The screen displayed under AIX Version 3.2.5 is shown below. It may be slightly different for the later AIX Versions (4.1, 4.3.2 or 4.3.3). The recommended values for this screen are:

Install From All Available Software Packages	
INPUT device/directory for software	[/usr/sys/images]
SOFTWARE to install?	[ ]
AUTOMATICALLY install PREREQUISITE software?	[No]
COMMIT software?	[No]
SAVE replaced files?	[Yes]
VERIFY software?	[No]
EXTEND file systems if space needed?	[Yes]
REMOVE input file after installation?	[No]
OVERWRITE existing version?	[No]
ALTERNATE save directory	[ ]

- 6 Press Enter to start the installation.
- 7 When the installation is complete, **OK** is displayed in the command field. TME 10 Software Distribution Client has been installed successfully.

**Using NetView DM/6000 to Migrate:** When you use NetView DM/6000 to migrate, you must build the change file that contains the TME 10 Software Distribution for AIX Client image at a NetView DM/6000 Version 1.2.X workstation. Remember that the Version 1.2.X options that no longer exist in TME 10 Software Distribution for AIX Client (for example `netviewdm6000.clbooks.obj`), or that you are not migrating, must be removed manually.

To migrate using NetView DM/6000, perform the following steps:

# Migrating from Version 1.2.X to TME 10 Software Distribution, Version 3.1.5 for

- 1 Enter the following commands from the root directory “/” to extract the change file profile required for the procedure.

**a** *If you are working in the AIX 3.2.5 environment, enter:*

```
restore -qf /usr/sys/inst.images/netviewdm6000.server.3.1.5.0 ▶  
-xv ./usr/lpp/netviewdm/tool/profile.client
```

After the restore command, the message The number of restored files is 1 indicates that the command was executed successfully.

**b** *If you are working in the AIX 4.1 environment, enter:*

```
restore -qf /usr/sys/inst.images/netviewdm6000.server.3.1.5.0 ▶  
-xv ./usr/lpp/netviewdm/tool/profile.client.41
```

After the restore command, the message The number of restored files is 1 indicates that the command was executed successfully.

**c** *If you are working in the AIX 4.3 environment, enter:*

```
restore -qf /usr/sys/inst.images/netviewdm6000.server.3.1.5.0 ▶  
-xv ./usr/lpp/netviewdm/tool/profile.client.43
```

After the restore command, the message The number of restored files is 1 indicates that the command was executed successfully.

The file can also be obtained from a TME 10 Software Distribution for AIX server.

- 2 You can edit the change file profile restored in the previous step so that it contains only those product options you want to install.

The profile also includes a pre-request command to mount a remote file system. This command is commented out. If the product images reside on a remote workstation, remove the comment characters and customize the command to specify the mount operation you require. If the product options reside on the same workstation that the change file is being built at, you can leave the pre-request command commented.

- 3 Enter the following command from the root directory “/” to extract the script required for the procedure:

```
restore -qf /usr/sys/inst.images/netviewdm6000.server.3.1.5.0 ▶  
-xv ./usr/lpp/netviewdm/script/preinst_cln.3150
```

After the restore command, the message The number of restored files is 1 indicates that the command was executed successfully.

4 Issue the following command to build the change file:

**a** *If you are working in the AIX 3.2.5 environment, enter:*

```
nvdm bld /usr/lpp/netviewdm/tool/profile.client
```

**b** *If you are working in the AIX 4.1 environment, enter:*

```
nvdm bld /usr/lpp/netviewdm/tool/profile.client.41
```

**c** *If you are working in the AIX 4.3 environment, enter:*

```
nvdm bld /usr/lpp/netviewdm/tool/profile.client.43
```

You can perform the same operation using the graphical interface. Select the following options from the catalog window:

- ▶ Catalog
- ▶ New
- ▶ From file
- ▶ Profile
- ▶ As is

### Steps 5, 6, and 7

You do not have to perform steps 5, 6, and 7 if the preparation site is the same as the workstation where you want to install the product.

5 Restore the generic change file profile needed to build the change file by entering:

```
restore -qf /usr/sys/inst.images/netviewdm6000.server.3.1.5.0 ▶  
-xv ./usr/lpp/netviewdm/tool/preinst.profile.client
```

After the restore command, the message The number of restored files is 1 indicates that the command was executed successfully.

6 Build and catalog a generic change file that includes:

```
/usr/lpp/netviewdm/script/preinst_cln.3150
```

by entering the command:

```
nvdm build /usr/lpp/netviewdm/tool/preinst.profile.client
```

7 Install this change file at the target workstation by entering:

```
nvdm inst IBM.NDM6000.PREINST_CLN.REF.3150 -w <targetname>
```

where <targetname> is the name of the target where you are going to install the product.

8 Install the upgrade on the client by issuing the following command:

```
nvdm inst IBM.NDM6000.CLIENT.REF.3150 -w <targetname> -e
```

where <targetname> is the name of the target where you are going to install the product.

Make sure you have enough storage space available in the /usr and the /usr/lpp/netviewdm file systems where you are installing the change file (see “Disk Space Requirements” on page 31).

- 9 After the installation has been performed successfully, proceed to the migration of the NLS package (see “Installing the NLS Package”).

If the installation is unsuccessful, you can consult the /usr/lpp/netviewdm/extlog1 file where error messages are logged.

### Installing the NLS Package

To install the 3.1.2.0 NLS package, build a change file that includes the image and install it (see Table 3 on page 35 for a list of the product options).

### Recovering from an Unsuccessful Migration

If one of the migration processes described above is unsuccessful, you can reinstall the version of NetView DMA/6000 you had before the migration by performing the following steps:

- 1 Install NetView DMA/6000.
- 2 Restore the script for the recovery by entering the following command from the root directory "/":

```
restore -qxf /usr/sys/inst.images/netviewdm6000.server.3.1.5.0 ▶  
./usr/lpp/netviewdm/script/restore_nvdm
```
- 3 Run the script as follows:

```
ksh ./usr/lpp/netviewdm/script/restore_nvdm
```
- 4 Start the product.
- 5 Retry the migration.

---

### Defining Users

You have to define the users for a client. At the server, the product administrator can use either the **addusr** line command or the graphical interface to add the user to one of the TME 10 Software Distribution for AIX user groups.

---

### Attaching to Multiple Servers

Each client is attached to a server that supports all change management of software on the client and controls distribution of files to and from the client. This is the client's change control server.

In a large TCP/IP network, it is quite likely that there is more than one server. Each server acts as change control server for a distinct set of clients on the TCP/IP network. A client cannot be managed by more than one server.

## Attaching to Multiple Servers

You can, however, attach a client to other servers, not just to its change control server. This allows you to be a *UI Only* user at the other servers. Such a user can perform configuration and system administration on the servers and can issue change control commands to the clients of the servers. These functions are dependent upon the authorization of the user.

To attach a client to a second server, perform the following configuration steps:

- 1** Determine the TCP/IP name of the second server. See the workstation ID in the base configuration file on that server for this information.
- 2** Edit the base configuration file on the client to add an extra line defining the second server.
- 3** Add the client as a target to the second server using the configuration commands or dialogs on that server. The client must be added as a *UI Only* mode target, that is, with no capabilities for receiving change control requests or file distributions.
- 4** Add users to the new target on the second server. Give these users the correct authorizations according to whether they are allowed to control configuration, change control, and the system, or simply inspect these things.

You add users to a target using dialogs at the graphical interface or using the TME 10 Software Distribution for AIX **addpm** command.

Add the new users to the AIX user groups to give them the correct authorizations.

You can list up to five servers for a client to attach to. The first one in the list defines the change control server for the client.

Switch between servers using the **svr** command from the command line or by selecting the server that you want from the list provided when you load the graphical interface.

---

## Chapter 4. Installing a TME 10 Software Distribution for Windows NT or Windows 2000 Client

This chapter explains how to install a TME 10 Software Distribution Client for Windows NT and Windows 2000. It includes a description of:

- The software and hardware required (“Software Prerequisites” on page 46 and “Hardware Prerequisites”)
- The communication protocols required (“Communication Protocols” on page 46)
- How to install the product in attended mode (“Installing a TME 10 Software Distribution for Windows NT or Windows 2000 Client Interactively” on page 46)
- How to configure for NetBIOS and IPX (“Changing Protocols after the Installation” on page 57)
- How to upgrade the product in attended mode (“Upgrading a TME 10 Software Distribution for Windows NT Client Interactively” on page 58)
- How to use a response file to install the product (“Using a Response File to Install a Windows NT or 2000 Client” on page 63)
- How to uninstall the product (“Uninstalling a TME 10 Software Distribution Client” on page 63).



Note that you must be logged on with administrator authority to install and configure a TME 10 Software Distribution Client for Windows NT and Windows 2000.

---

### Planning

This section describes the hardware and software required for installing and using a TME 10 Software Distribution Client. These are the minimum requirements for a client in any type of supported network configuration.

#### Hardware Prerequisites

The minimum hardware requirements for a TME 10 Software Distribution client are:

- Processor appropriate for the version of Windows NT or Windows 2000 installed (see Windows NT or Windows 2000 product documentation)
- At least 16 MB RAM without the GUI, 20MB with the GUI
- Disk space for the TME 10 Software Distribution client:
  - 5 MB for the client base
  - 8 MB for the GUI
  - 4 MB for the documentation
  - 3 MB for HW/SW discovery
  - 6 MB for the mobile client (including the base code)

# Installing a Client for Windows NT or 2000 Interactively

## Software Prerequisites

Windows NT 3.51, Windows NT 4.0 Server, Windows NT 4.0 Workstation, Windows 2000 Professional or Windows 2000 Server is required on the TME 10 Software Distribution client workstation.

## Communication Protocols

Server and client communication supports NetBIOS, TCP/IP, and IPX/SPX. These communication protocols are embedded and supported in all versions of Windows NT from version 3.51 onwards, including Windows 2000.

---

## Installing a TME 10 Software Distribution for Windows NT or Windows 2000 Client Interactively

This section describes how to install a TME 10 Software Distribution Client interactively (in attended mode) when using the TCP/IP communication protocol. See “Changing Protocols after the Installation” on page 57 for information on how to customize an installation for NetBIOS or IPX communication.

To install the TME 10 Software Distribution for Windows NT or Windows 2000 client, complete the following steps:

- 1 Type the following command from the SD4WNT9x directory on the CD-ROM:  
setup  
The Welcome window appears.

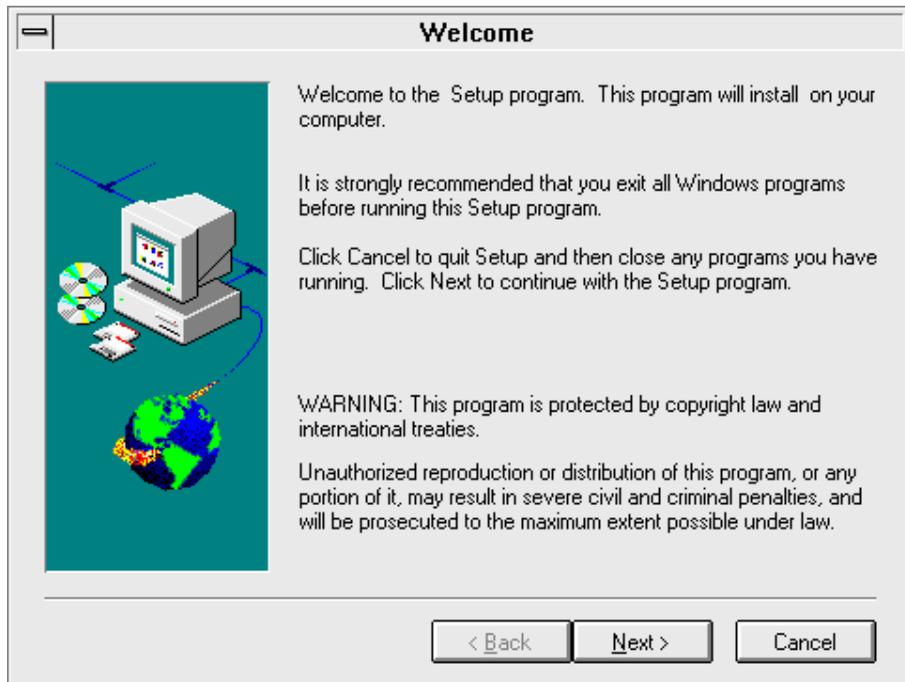


Figure 16. Windows NT or Windows 2000 Client - installation welcome window

**2** Select **Next** to continue with the installation.

The Select Installation window appears.

## Installing a Client for Windows NT or 2000 Interactively

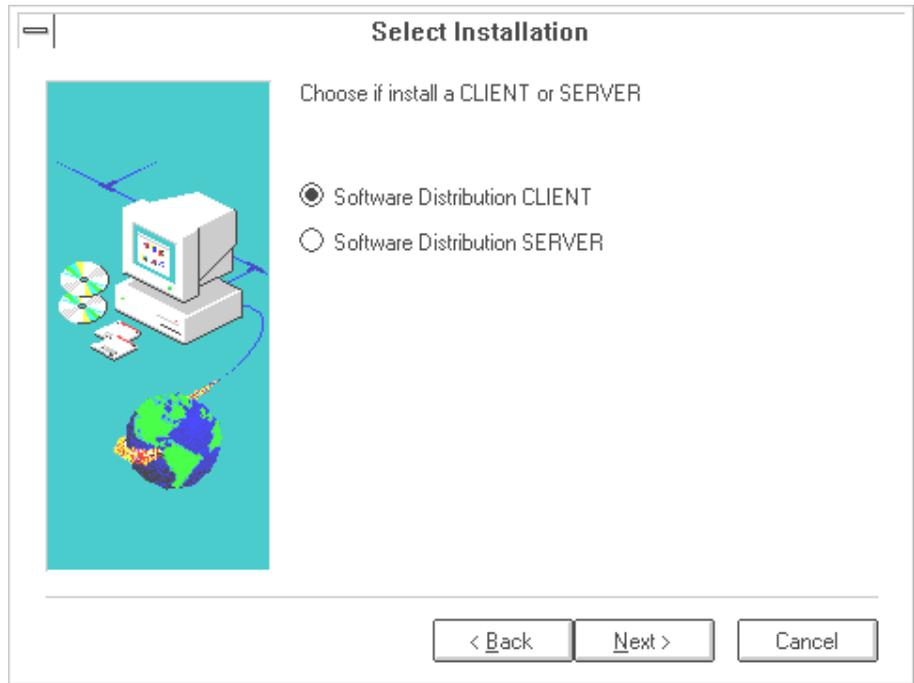


Figure 17. Windows NT or Windows 2000 Client - select installation window

On this window you specify whether to install the TME 10 Software Distribution server or the client.

**3** Select **TME 10 Software Distribution CLIENT**, and then select **Next**.

The Select Components window appears.

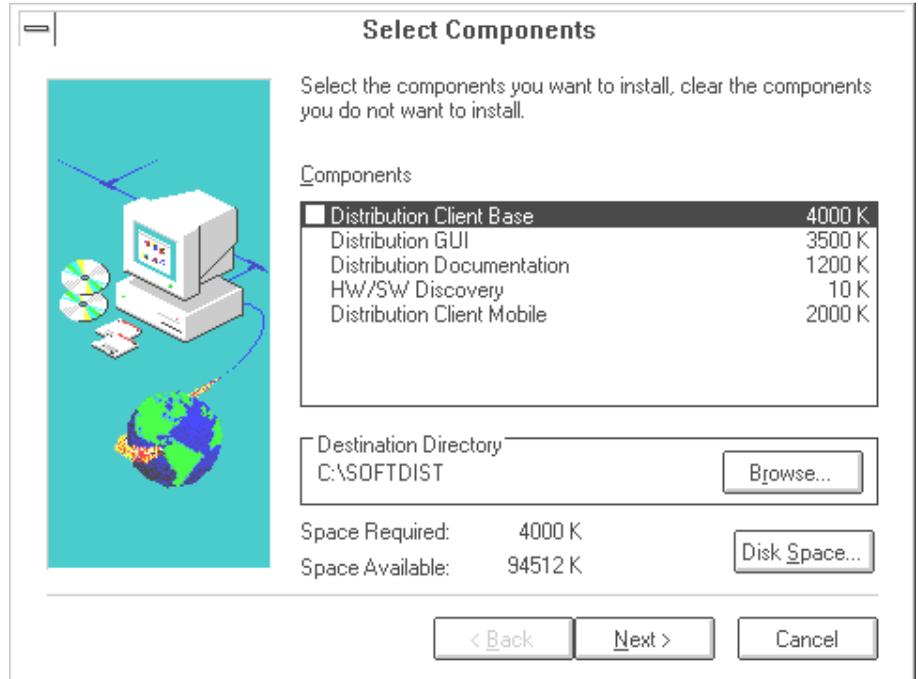


Figure 18. Windows NT or Windows 2000 Client - select components window

#### 4 Select the components you want to install from the list:

- The **TME 10 Software Distribution Client Base** component. You must select either this component or the **TME 10 Software Distribution Client Mobile** component. You cannot select both.
- The **TME 10 Software Distribution GUI** component contains the user interface.
- The **TME 10 Software Distribution Documentation** component contains the product documentation.
- The **HW/SW Discovery** component. It is optional.

The hardware/software discovery tool contains the programs that support hardware and software inventory discovery. These programs come from the NetFinity product. If your workstation already has NetFinity Manager or NetFinity Services installed, do not install this component of TME 10 Software Distribution.

- The **TME 10 Software Distribution Client Mobile** component contains the mobile client product.

On the Select Components window you can also select **Browse** and **Disk Space**.

If you select **Browse**, the Choose Directory window appears. You can use this window to change the destination directory.

## Installing a Client for Windows NT or 2000 Interactively

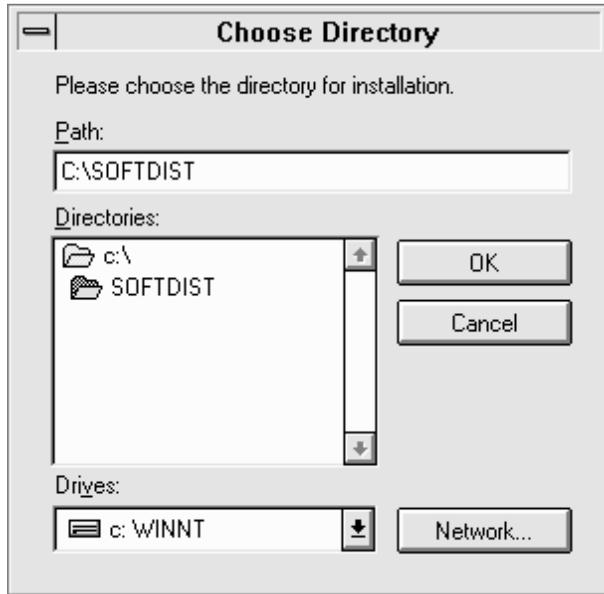


Figure 19. Windows NT or Windows 2000 Client - choose directory window

If you select **Disk Space**, the Available Disk Space window appears.



Figure 20. Windows NT or Windows 2000 Client - available disk space window

You can use this window to see the amount of disk space that is available. Select a drive, and select **OK**.

The Select Components window reappears.

- 5 After you make your choices on the Select Components window, select **Next**. The Select Program Folder window appears.

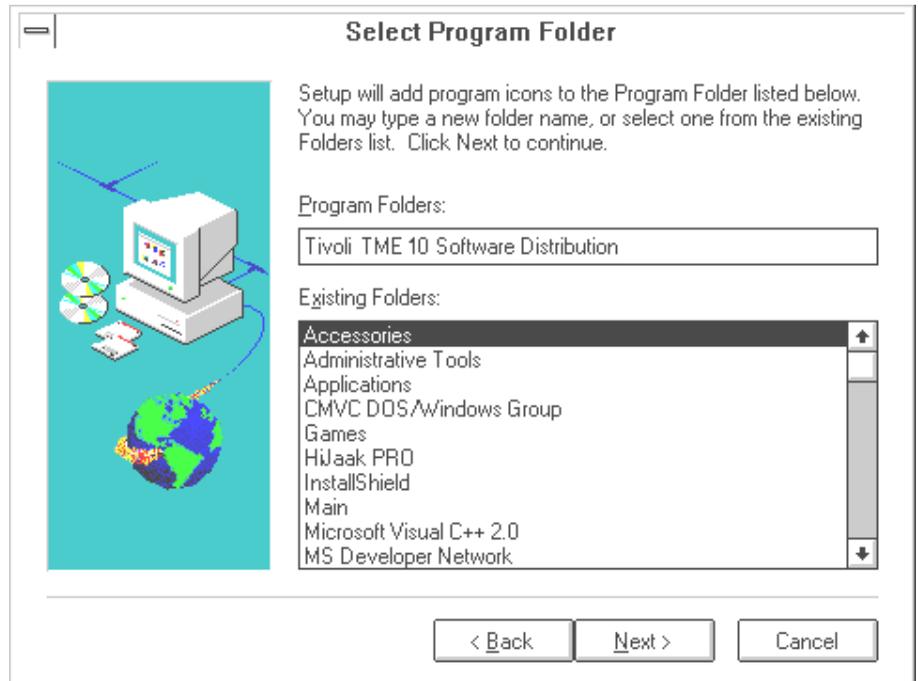


Figure 21. Windows NT or Windows 2000 Client - select program folder window

- 6 After you make your choices on the Select Program Folder window, select **Next**. The Select Protocol Window appears.

## Installing a Client for Windows NT or 2000 Interactively

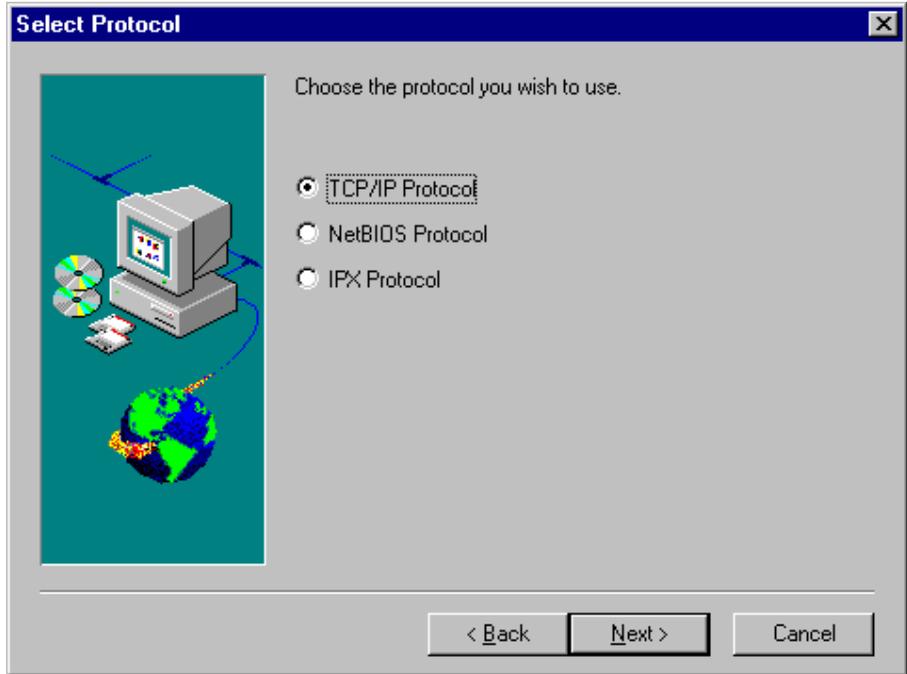


Figure 22. Windows NT or Windows 2000 Client - server protocol window

Select the connection protocol, and then **Next**. You can choose one connection protocol at a time. In this scenario the protocol used is TCP/IP.

The Client Configuration window appears.

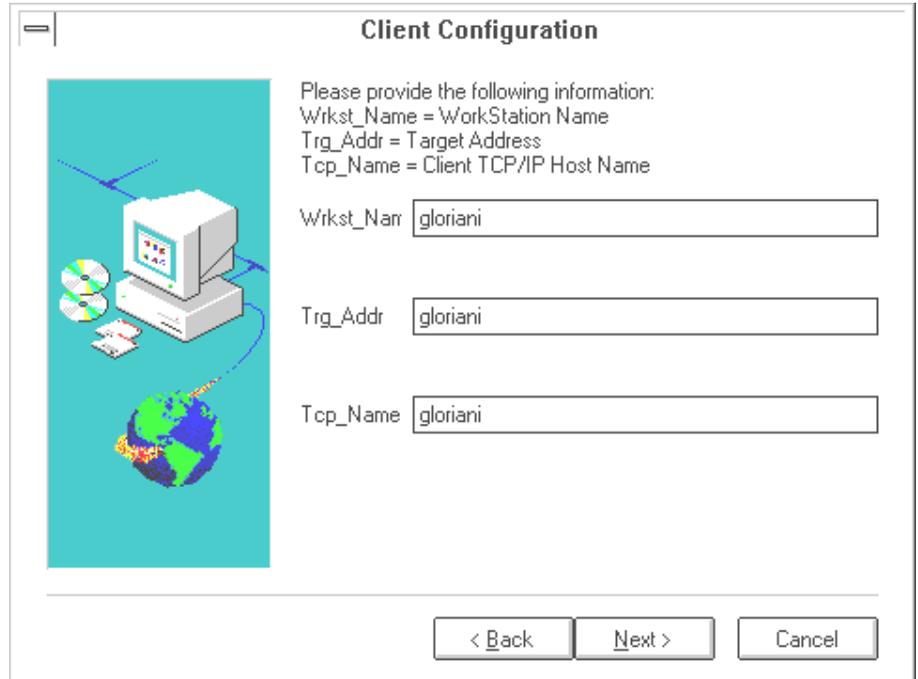


Figure 23. Windows NT or Windows 2000 Client - client configuration window

**7** Enter the **Workstation Name**, the **Target Address**, and the **Client TCP/IP name**, and select **Next**.

If you chose a protocol other than TCP/IP, the **Client Protocol Name** field will be different from the one shown here. If you selected IPX, remember that the client IPX name is composed of the following:

- (NetId) Network ID
- (AdAdd) Adapter address
- (ApIAdd) Application address. It must be 869F.

The Server Configuration window appears.

## Installing a Client for Windows NT or 2000 Interactively

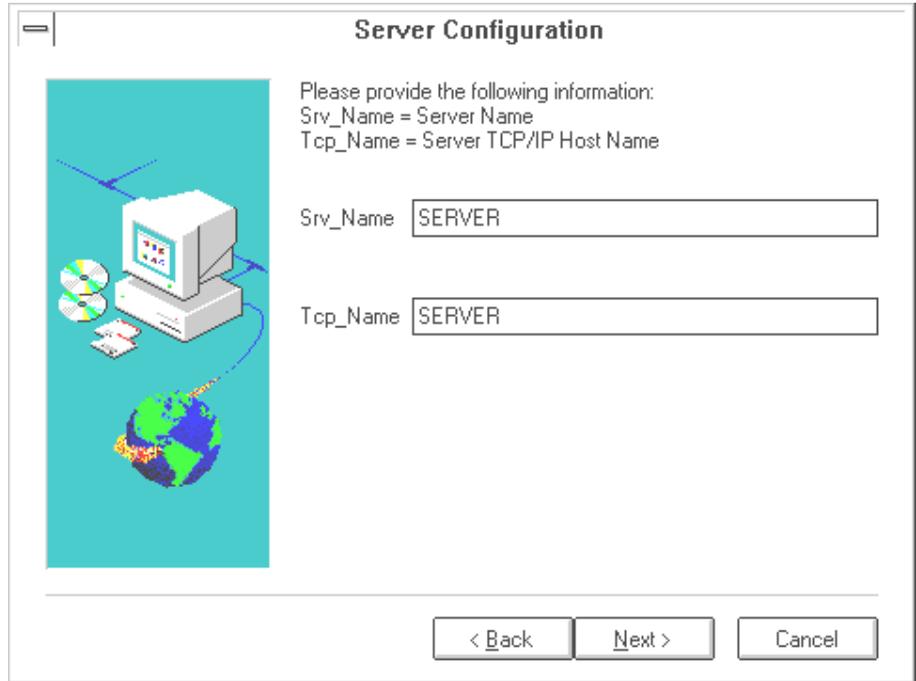


Figure 24. Windows NT or Windows 2000 Client - server configuration window

If you chose a protocol other than TCP/IP the Server Configuration window will show different fields from the ones shown here.

**8** Enter the **Server Name** and the **TCP/IP Name**, and select **Next**.

The User Name Configuration window appears.

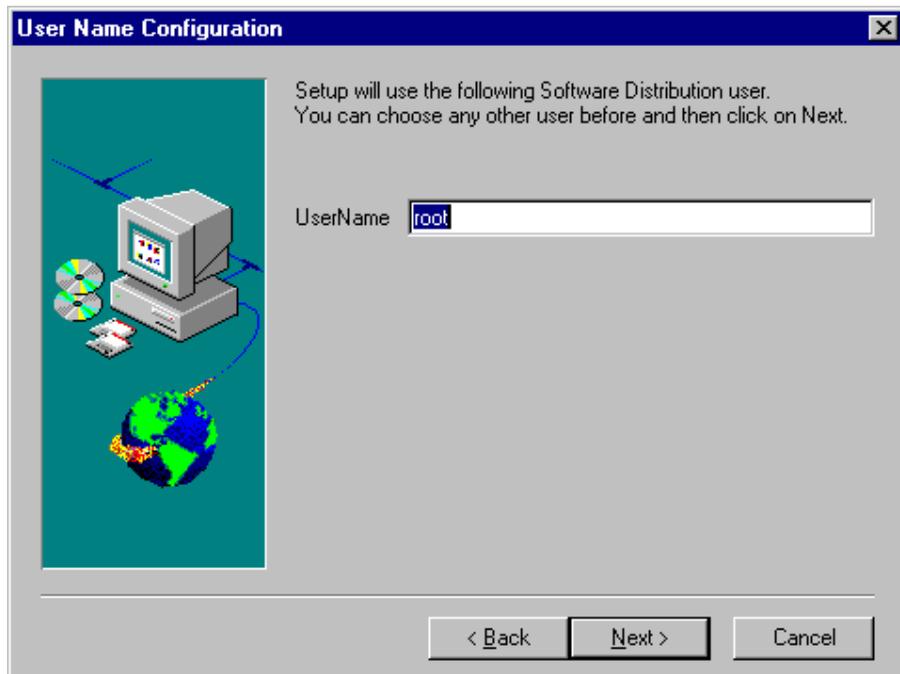


Figure 25. Windows NT or Windows 2000 Client - server configuration window

Enter the **User Name**, and select **Next**.

The Start Product Selection window appears.

## Installing a Client for Windows NT or 2000 Interactively

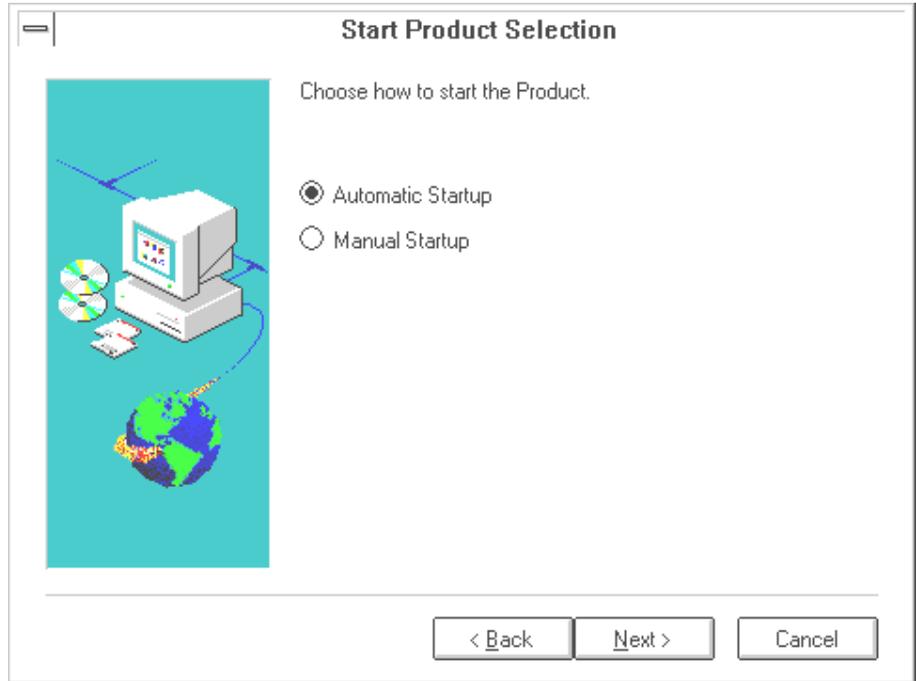


Figure 26. Windows NT or Windows 2000 Client - start product selection window

### 9 Select either **Automatic Startup** or **Manual Startup**.

If you choose **Automatic Startup**, the program defines a service from the Windows NT or Windows 2000 point of view, and the product will start automatically.

After you make your choice, select **Next**.

The Copying Profiles window appears. This window displays the progress of the installation.

When the installation is complete, the Setup Complete window appears.



Figure 27. Windows NT or Windows 2000 Client - setup complete window

- 10 Specify whether or not you want to restart your computer now, and select **Finish**. The installation process for the client is complete.

---

## Changing Protocols after the Installation

It is possible to change the installation protocols after you performed the installation. Since the installation scenario shows how to install the TME 10 Software Distribution client using the TCP/IP protocol the next section will show how to customize this installation for NetBIOS and IPX. Most of the customization procedure for the client is performed at the server. See the installation chapter of the *TME 10 Software Distribution for Windows NT Quick Beginnings* manual for information on the steps that are performed at the server.

Perform the following procedures at the client:

### Customizing the Client for NetBIOS

If you have already performed the client installation using the NetBIOS protocol, skip this section. If you want to change the installation protocol to use NetBIOS, perform the following steps:

- 1 In the NVDM.CFG file, comment out the rows that contain:  
SERVER: (server\_name) TCP (server\_name)

## Upgrading a Client for Windows NT Interactively

```
PROTOCOL: TCP (client_host_name) 729 50
```

To comment something out, insert a # in the first column.

- 2 Remove the comment from the rows that contain:

```
#SERVER: (server_name) NBI (server_name)
```

```
#PROTOCOL: NBI (client_NBI_name) 0 50
```

To remove the comment, delete the # from the first column.

- 3 Save the file.

## Customizing the Client for IPX

If you have already performed the client installation using the IPX protocol, skip this section. If you want to change the installation protocol to use IPX at the client, perform the following steps:

- 1 In the NVDM.CFG file at the client site, comment out the rows that contain:

```
SERVER: (server_name) TCP (server_name)
```

```
PROTOCOL: TCP (client_host_name) 729 50
```

To comment something out, insert a # in the first column.

- 2 In the NVDM.CFG file at the client site, remove the comment from the rows that contain:

```
#SERVER: (server_name) IPX (NetId) (AdpAdd) (AplAdd)
```

```
#PROTOCOL: IPX (NetId) (AdpAdd) (AplAdd) 50
```

To remove the comment, delete the # from the first column.

- 3 Enter the correct values for the following:

(NetId)            Network ID

(AdAdd)           Adapter address

(AplAdd)          Application address It must be 869F.

- 4 Save the file.

---

## Upgrading a TME 10 Software Distribution for Windows NT Client Interactively

This section describes how to upgrade a TME 10 Software Distribution, Version 3.1.5 for Windows NT Client interactively (in attended mode) when using the TCP/IP communication protocol. See “Changing Protocols after the Installation” for information on how to customize an installation for NetBIOS or IPX communication.

This procedure can also be used to install components of TME 10 Software Distribution, Version 3.1.5 for Windows NT or Windows 2000 that were not installed initially.

## Upgrading a Client for Windows NT Interactively

To upgrade a TME 10 Software Distribution client, perform the following steps:

- 1 Type the following command from the SD4WNT9x directory on the CD-ROM:

```
setup
```

The Welcome window appears.

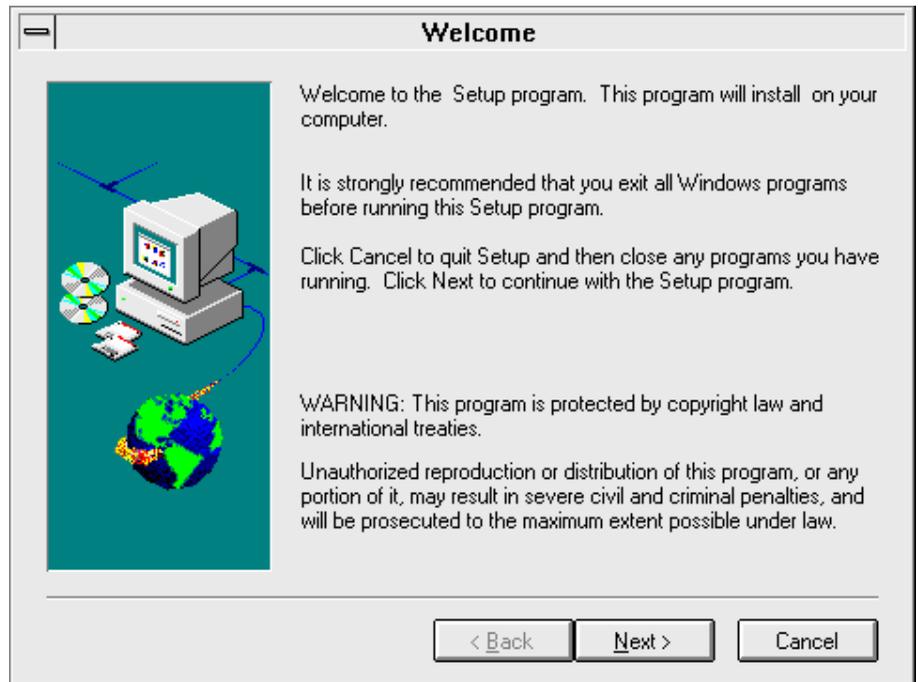


Figure 28. Windows NT Client - installation welcome window

- 2 Select **Next** to continue with the installation.

The Select Components window appears.

## Upgrading a Client for Windows NT Interactively

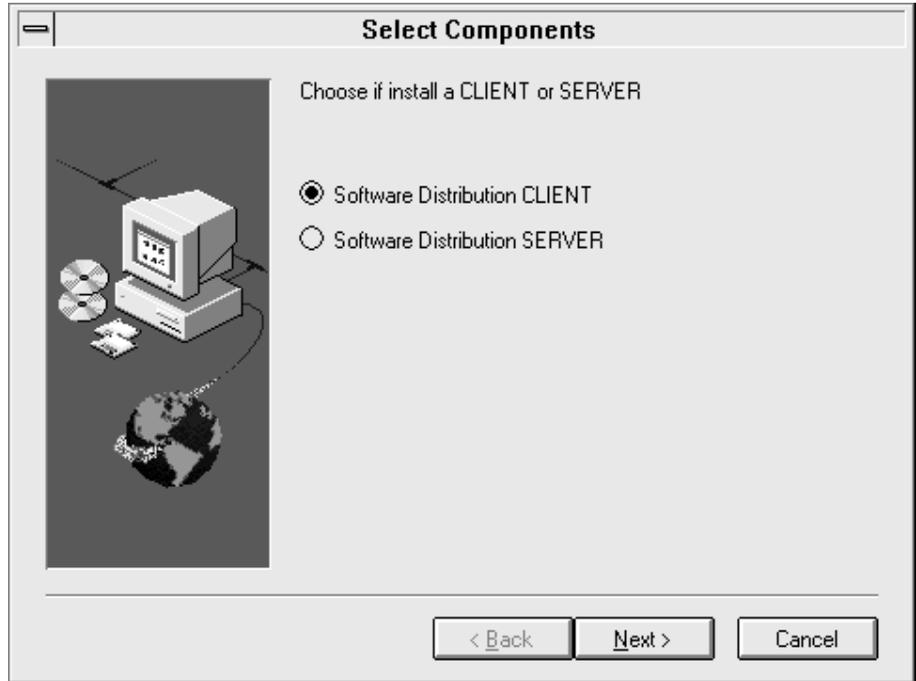


Figure 29. Windows NT Client - select components window

On this window you specify whether to upgrade the TME 10 Software Distribution server or the client.

**3** Select **TME 10 Software Distribution CLIENT**, and then select **Next**.

The Reinstall Selection window appears.

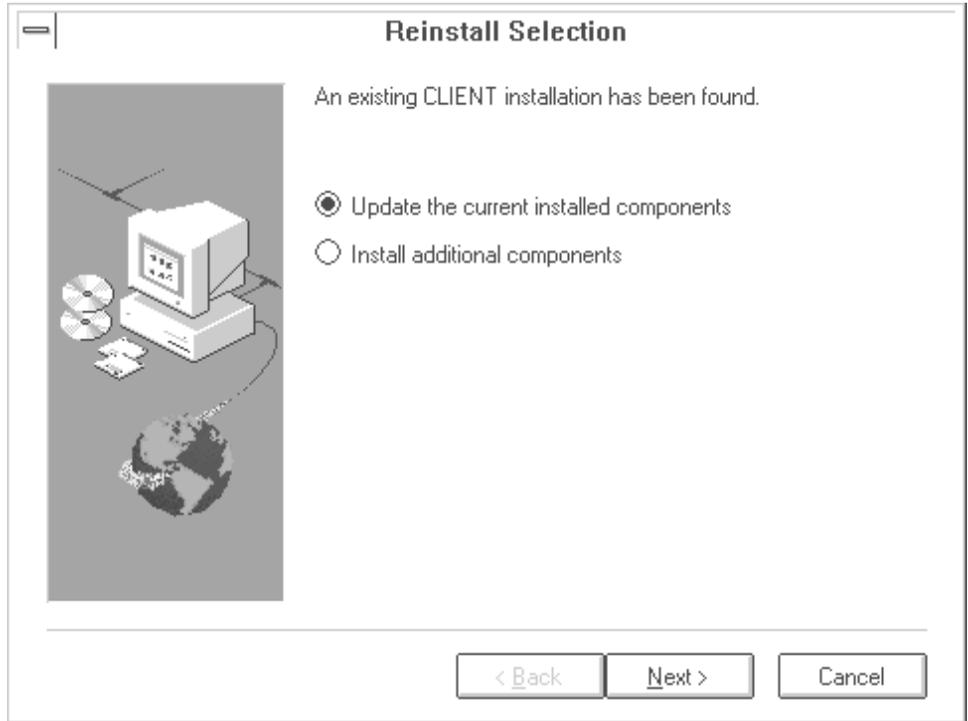


Figure 30. Windows NT Client - reinstall selection window

On this window you specify whether you want to update the currently installed options or to install additional options. If you have previously installed all the options, only the first choice will be available:

- **Update the current installed components**

If you select this option, the binary files are reloaded in the same directory as the old files, and the old ones are overwritten. The configuration files are not changed.

- **Install additional components**

If you select this option, you will be able to install the components you did not previously install. The configuration files are not changed.

**4** Specify one of the two options, and select **Next**.

If you selected Update the current installed components, the Copying Profiles window appears. This window displays the progress of the upgrade.

When the upgrade is complete, the Setup Complete window appears. This is the same window that appears at the end of a first installation (see Figure 27 on page 57). Use this window to specify whether or not you want to restart your computer now. After you choose, select **Finish**. The upgrade process is complete.

## Upgrading a Client for Windows NT Interactively

If you selected Install additional components, the Select Components window appears.

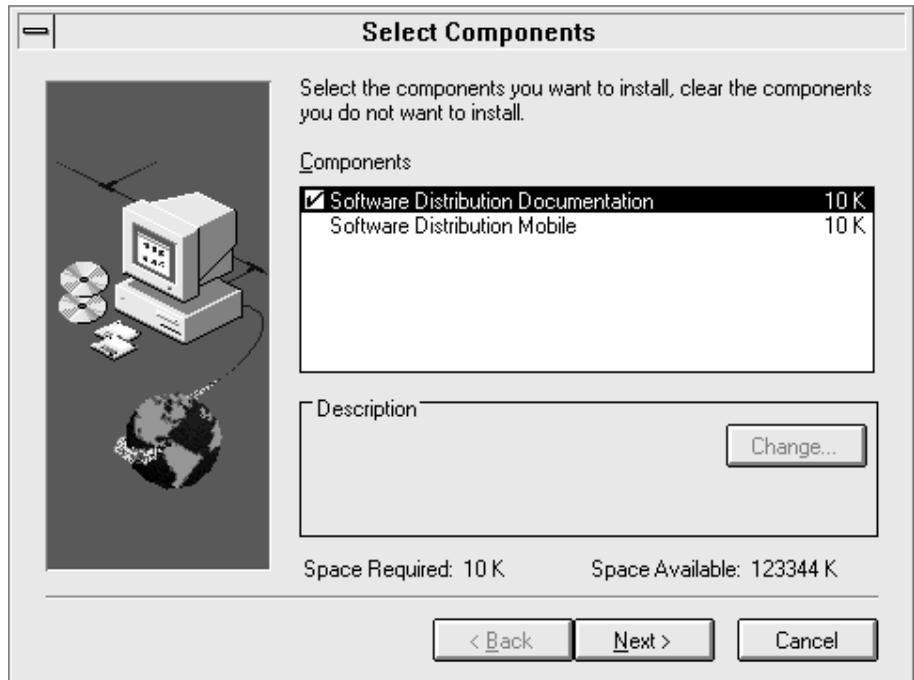


Figure 31. Windows NT Client - select components window

- 5 Only the components that were not previously installed appear as choices. You cannot change the directory.

Specify the components you want to install, and select **Next**.

If you install the TME 10 Software Distribution Mobile client, during an upgrade, the binary files for the previously installed TME 10 Software Distribution base client are overwritten. The TME 10 Software Distribution GUI is automatically upgraded, and the configuration files are not changed.

The Copying Profiles window appears. This window displays the progress of the upgrade.

When the upgrade is complete, the Setup Complete window appears. This is the same window that appears at the end of a first installation (see Figure 27 on page 57).

- 6 Use this window to specify whether or not you want to restart your computer now. After you choose, select **Finish**. The upgrade process is complete.

---

## Using a Response File to Install a Windows NT or 2000 Client

You can install TME 10 Software Distribution for Windows NT or Windows 2000 in unattended, or silent, mode by using the sample response file that is provided with the TME 10 Software Distribution product on the CD-ROM (number LK3T-5087-00). This sample file uses the TCP/IP communication protocol.

To install the TME 10 Software Distribution Client using a response file perform the following steps:

- 1** Copy the response file, SETUP.ISS, to a private directory.

- 2** Customize the file.

The file contains an explanation of the keywords and how to customize them. The lines of the file that you can customize are indicated with a string of asterisks. You must not modify lines that are not indicated with asterisks. The values you supply correspond to the values you supply on the installation panels during an attended installation.

- 3** Enter the following command:

```
SETUP -f1c:\<mydir>\setup.iss -s
```

You can check the results of the installation in the log file that is created by the -f2 option on the SETUP command, and in the file INSTLOG in the installation directory.

---

## Uninstalling a TME 10 Software Distribution Client

When you uninstall, you must delete the entire product. You cannot delete only a part of it.

Perform the following steps to uninstall the TME 10 Software Distribution client:

- 1** If the TME 10 Software Distribution product is running, stop it before you uninstall. To stop it, enter the following command:

```
NVDM STOP -x -k
```

- 2** Close the TME 10 Software Distribution GUI.

- 3** Select the **Uninstall** icon on the TME 10 Software Distribution group window.

# Uninstalling a Windows NT or 2000 Client

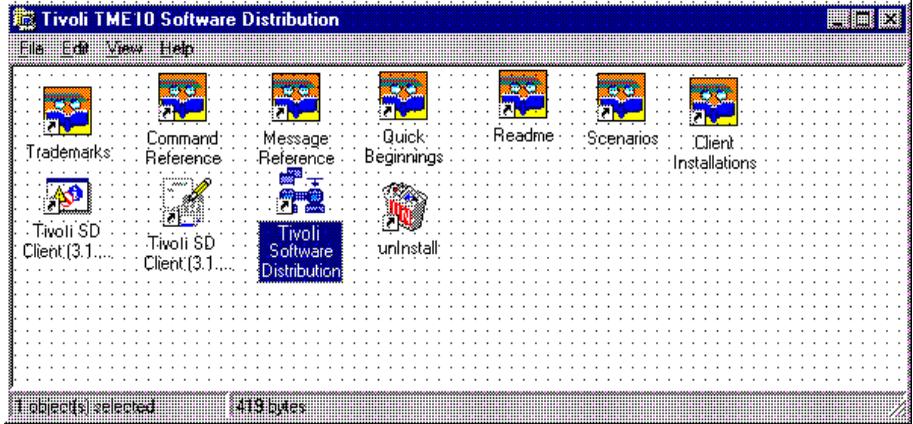


Figure 32. Windows NT or Windows 2000 Client - uninstall icon

A panel that asks, “Are you sure that you want to completely remove selected application and all of its components?” appears.

#### 4 Select YES.

A panel named “Remove Programs from Your Computer” appears.

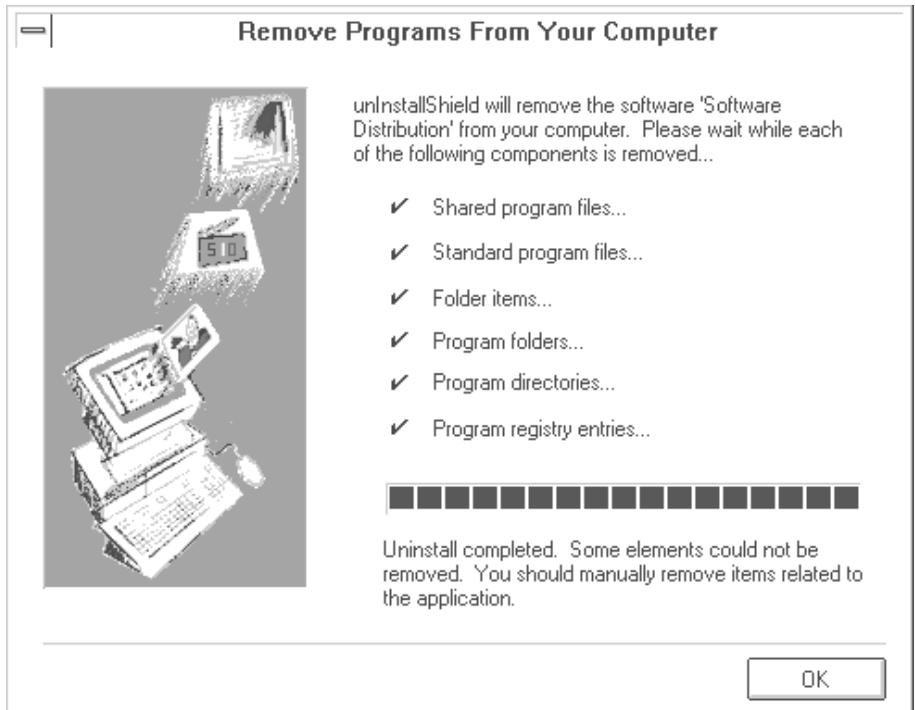


Figure 33. Windows NT or Windows 2000 Client - uninstallation panel

**5** Select **OK**.

A panel that says, "Please shut down your system before attempting a new installation of this product" appears.

**6** Select **OK**.

---

### Removing Settings if the Uninstall Process Fails

When you install TME 10 Software Distribution for Windows NT or Windows 2000, the product sets some variables for the system environment and the Registry keys. If the uninstall process fails, you must perform the following steps to remove these variables and keys:

If you are in a Windows NT 4.0 or Windows 2000 environment:

1. Select the **Start** push button then **Settings ► Control Panel**.
2. Select the System icon.  
The System Properties window appears.
3. Select the Environment page.

If you are in a Windows NT 3.51 environment:

1. Select the Main icon from the Program manager window.  
The Main window appears.
2. Select the Control Panel icon.  
The Control Panel window appears.

From either the Windows NT 4.0 or Windows NT 3.51 environment, or a Windows 2000 environment:

1. Delete the FNDCFG, FNDUSER, and NVDMBASE variables from the System Variables scrolling list.
2. Select the Path variable from the System Variables scrolling list.
3. Delete the TME 10 Software Distribution path from the PATH variable, and then select **set**.
4. Select **OK**.
5. From a command prompt enter the following command:  

```
start regedt32
```

  
The Registry Editor windows appears.
6. Select the HKEY\_LOCAL\_MACHINE key.
7. Select SYSTEM ► CurrentControlSet ► Control and delete the NetViewDM subkey.
8. Select SYSTEM ► CurrentControlSet ► Services and delete the NetViewDM and the NetViewDM(Act) subkeys.

## Assigning a Password to the User Root

9. Repeat Steps 7 and 8 for ControlSet00X, where X is a number from 1 to 3. The SYSTEM ► ControlSet00X are the backup subkeys for the CurrentControlSet subkeys.
10. Select SOFTWARE and delete the following keys:
  - SWOBJPRF.INI
  - NVDMGILG.INI
  - SWPRFINF.INI
11. Select the SOFTWARE ► IBM hive and delete the TME 10 Software Distribution key.
12. Close the Registry Editor.
13. Reboot the workstation.

---

## Assigning a Password to the User Root

If you assign a password to the user root you must update the Start TME 10 Software Distribution - Settings notebook with this password otherwise the product is not started correctly at the automatic startup:

To update the Start TME 10 Software Distribution - Settings notebook follow the above instructions:

- 1** Click on Start ► Settings ► Control Panel. The Control Panel desktop appears.
- 2** Select the System icon. The System Properties window appears.
- 3** Select the Environment page.
- 4** Enter FNDPASSWORD in the variable field, and the password in the value field, and then select **Set**. The password is added in the System Variable list.

---

## Chapter 5. Installing a TME 10 Software Distribution for Windows 95 or Windows 98 Client

This chapter explains how to install and configure a TME 10 Software Distribution Client for Windows 95 or Windows 98. It includes a description of:

- The software and hardware required (“Software Prerequisites” and “Hardware Prerequisites”)
- The communication protocols required (“Communication Protocols” on page 68)
- How to install the product in attended mode (“Installing a TME 10 Software Distribution for Windows 95 or Windows 98 Client Interactively” on page 68)
- How to configure for NetBIOS and IPX (“Changing Protocols after the Installation” on page 77)
- How to reinstall the product in attended mode (“Upgrading a TME 10 Software Distribution for Windows 95 Client” on page 78)
- How to use a response file to install the product (“Using a Response File to Install a TME 10 Software Distribution Client” on page 82)
- How to uninstall the product (“Uninstalling a TME 10 Software Distribution Client” on page 82)

---

### Planning

This section describes the hardware and software required for installing and using a TME 10 Software Distribution Client. These are the minimum requirements for a client in any type of supported network configuration.

#### Hardware Prerequisites

The minimum hardware requirements for a TME 10 Software Distribution client are:

- 386 processor without the GUI, 486 processor with the GUI
- At least 12 MB of memory without the GUI, 16 MB with the GUI
- Disk space for the TME 10 Software Distribution client :
  - 5 MB for the client base
  - 8 MB for the GUI
  - 4 MB for the documentation
  - 4 MB for HW/SW discovery
  - 6 MB for the mobile client (including the base code)

#### Software Prerequisites

Windows 95 or Windows 98 is required on the TME 10 Software Distribution client workstation.

## Installing a Windows 95 or 98 Client interactively

### Communication Protocols

Server and client communication supports TCP/IP, IPX/SPX, and NetBIOS. These communication protocols are embedded and supported in Windows 95 and Windows 98.

### Installing a TME 10 Software Distribution for Windows 95 or Windows 98 Client Interactively

This section describes how to install a TME 10 Software Distribution Client interactively (in attended mode) when using the TCP/IP communication protocol. See “Changing Protocols after the Installation” on page 77 for information on how to customize a client installation for NetBIOS or IPX communication.

Perform the following steps to install the TME 10 Software Distribution Client from the CD-ROM:

To install the TME 10 Software Distribution for Windows 95 or Windows 98 client, complete the following steps:

- 1 Type the following command from the SD4WNT9x directory on the CD-ROM:  
setup  
The Welcome window appears.

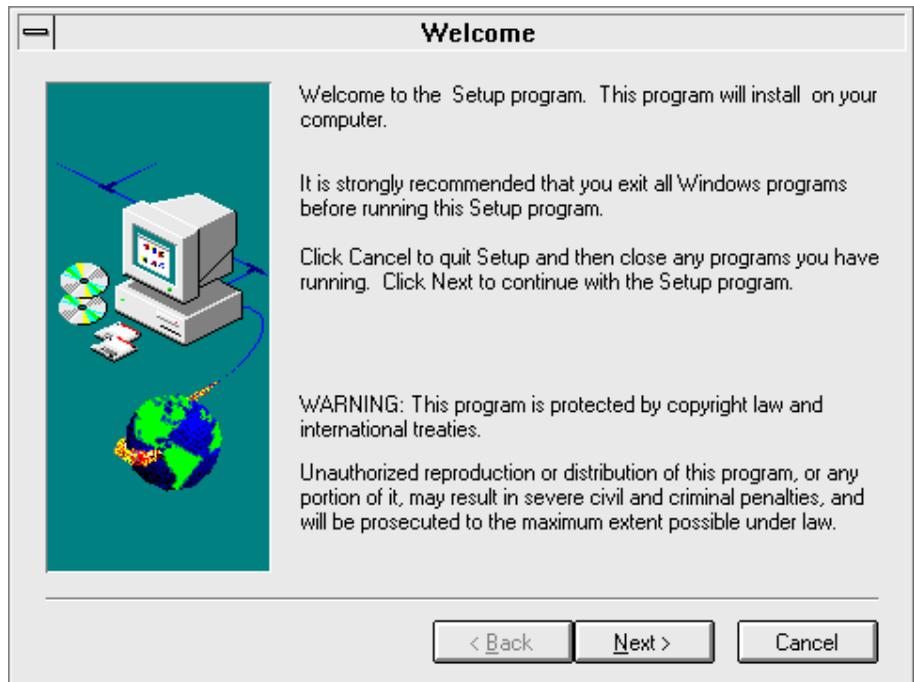


Figure 34. Windows 95 or Windows 98 Client - installation welcome window

## 2 Select **Next** to continue with the installation.

The Select Components window appears.

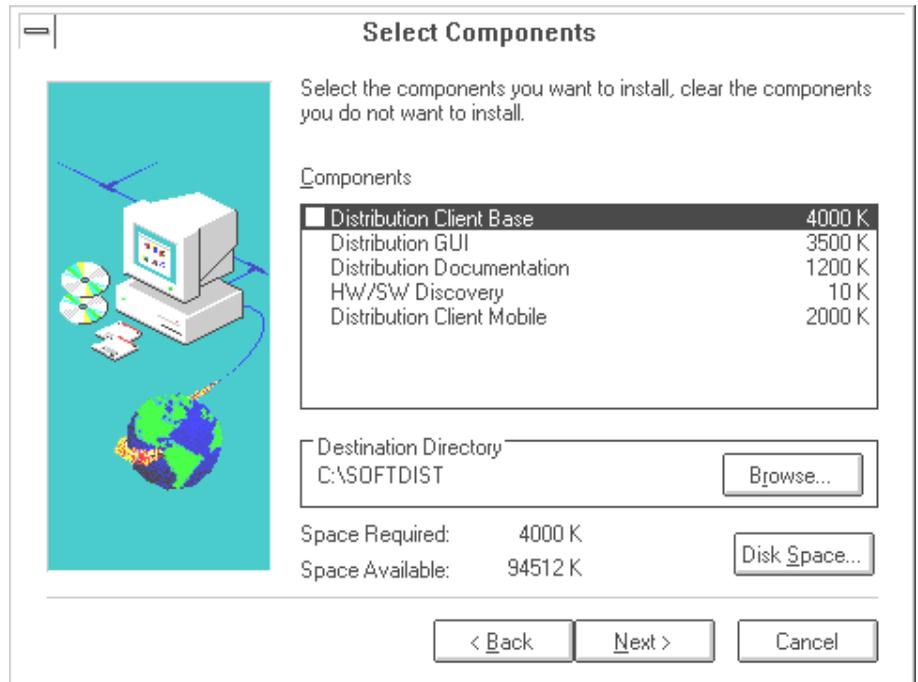


Figure 35. Windows 95 or Windows 98 Client - select components window

## 3 Select the components you want to install from the list:

- The **Distribution Client Base** component. You must select either this component or the **Distribution Client Mobile** component. You cannot select both.
- The **Distribution GUI** component contains the user interface.
- The **Distribution Documentation** component contains the product documentation.
- The **HW/SW Discovery** component. It is optional.

The hardware/software discovery tool contains the programs that support hardware and software inventory discovery. These programs come from the NetFinity product. If your workstation already has NetFinity Manager or NetFinity Services installed, do not install this component of TME 10 Software Distribution.

- The **Distribution Client Mobile** component contains the mobile client product.

On the Select Components window you can also select **Browse** and **Disk Space**,

## Installing a Windows 95 or 98 Client interactively

If you select **Browse**, the Choose Directory window appears. You can use this window to change the destination directory.

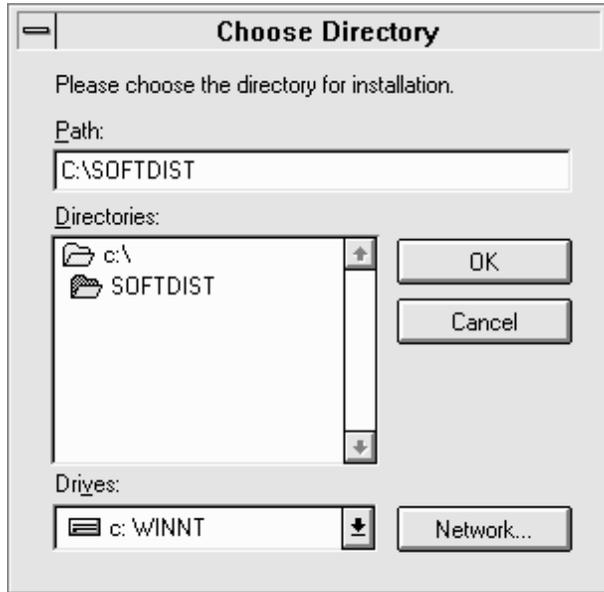


Figure 36. Windows 95 or Windows 98 Client - choose directory window

If you select **Disk Space**, the Available Disk Space window appears.



Figure 37. Windows 95 or Windows 98 Client - available disk space window

You can use this window to see the amount of disk space that is available. Select a drive, and select **OK**.

The Select Components window reappears.

- 4 After you make your choices on the Select Components window, select **Next**.

The Select Program Folder window appears.

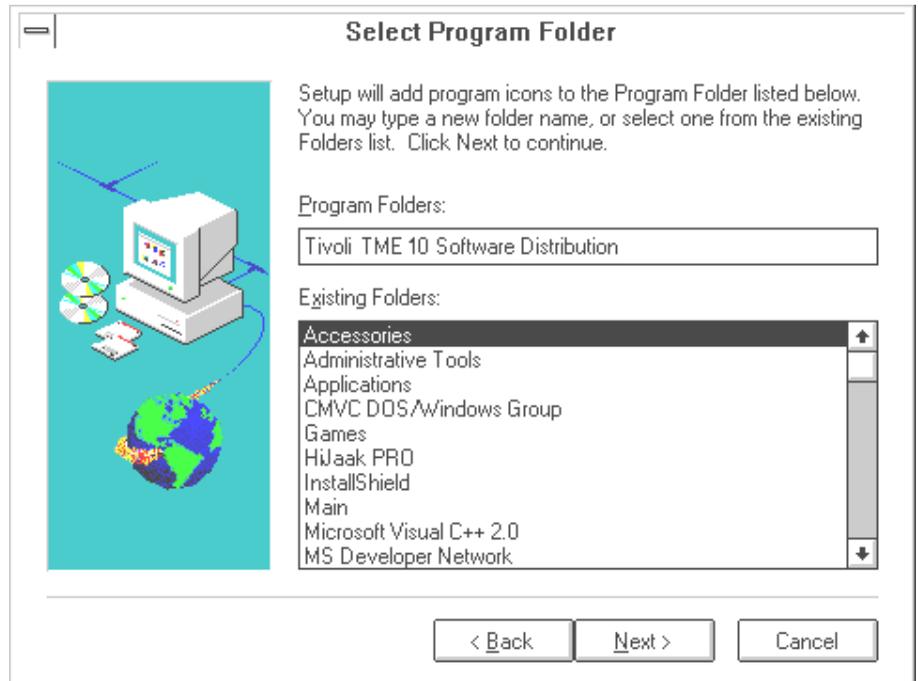


Figure 38. Windows 95 or Windows 98 Client - select program folder window

- 5 After you make your choices on the Select Program Folder window, select **Next**. The Select Protocol Window appears.

## Installing a Windows 95 or 98 Client interactively

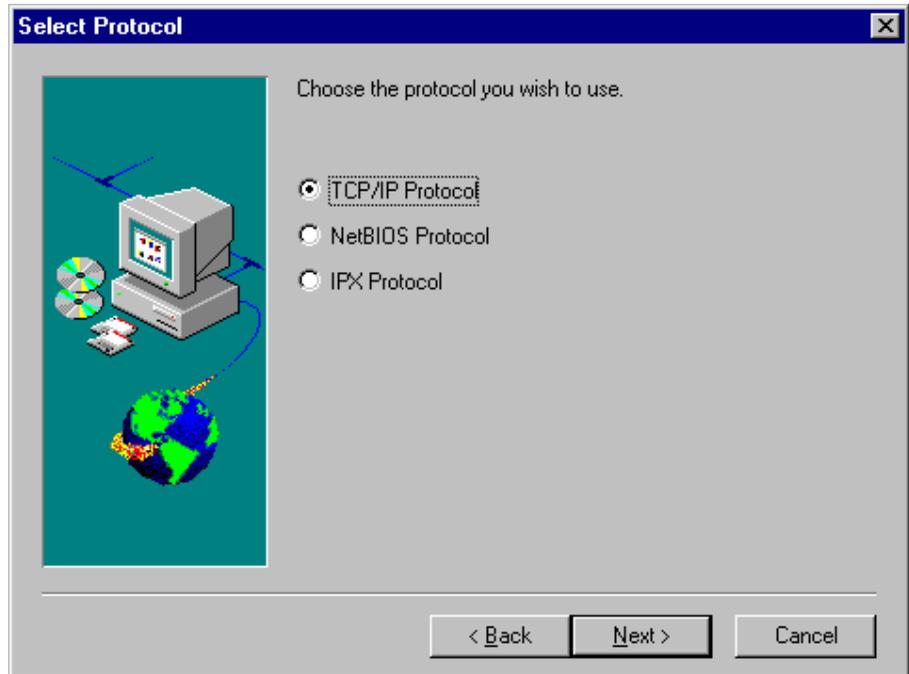


Figure 39. Windows 95 or Windows 98 Client - server protocol window

Select the connection protocol, and then **Next**. You can choose one connection protocol at a time. In this scenario the protocol used is TCP/IP.

The Client Configuration window appears.

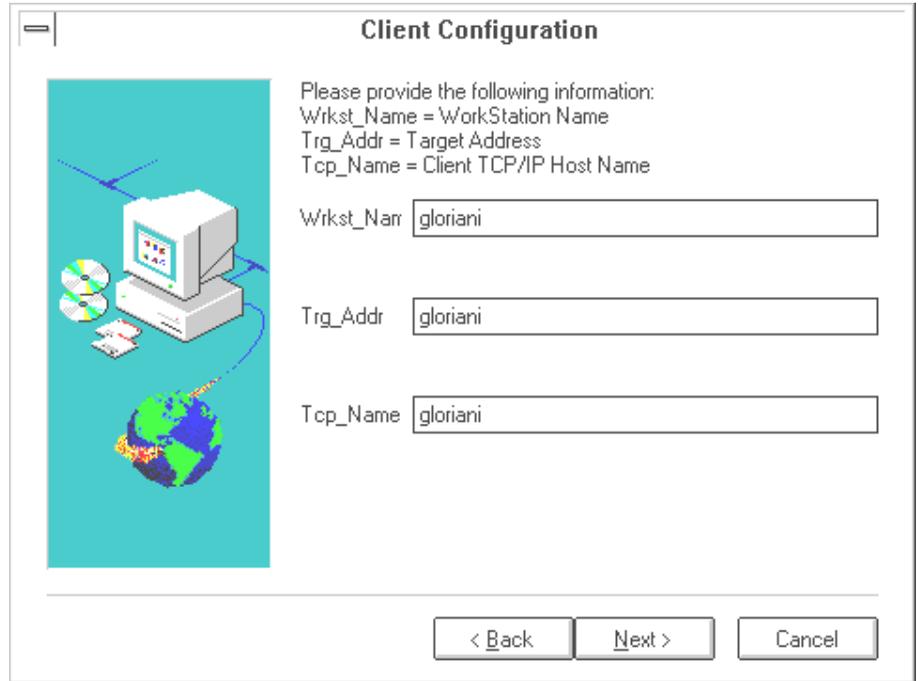


Figure 40. Windows 95 or Windows 98 Client - client configuration window

**6** Enter the **Workstation Name**, the **Target Address**, and the **Client TCP/IP name**, and select **Next**.

If you chose a protocol other than TCP/IP, the **Client Protocol Name** field will be different from the one shown here. If you selected IPX, remember that the client IPX name is composed of the following:

- (NetId) Network ID
- (AdAdd) Adapter address
- (ApIAdd) Application address It must be 869F.

The Server Configuration window appears.

## Installing a Windows 95 or 98 Client interactively

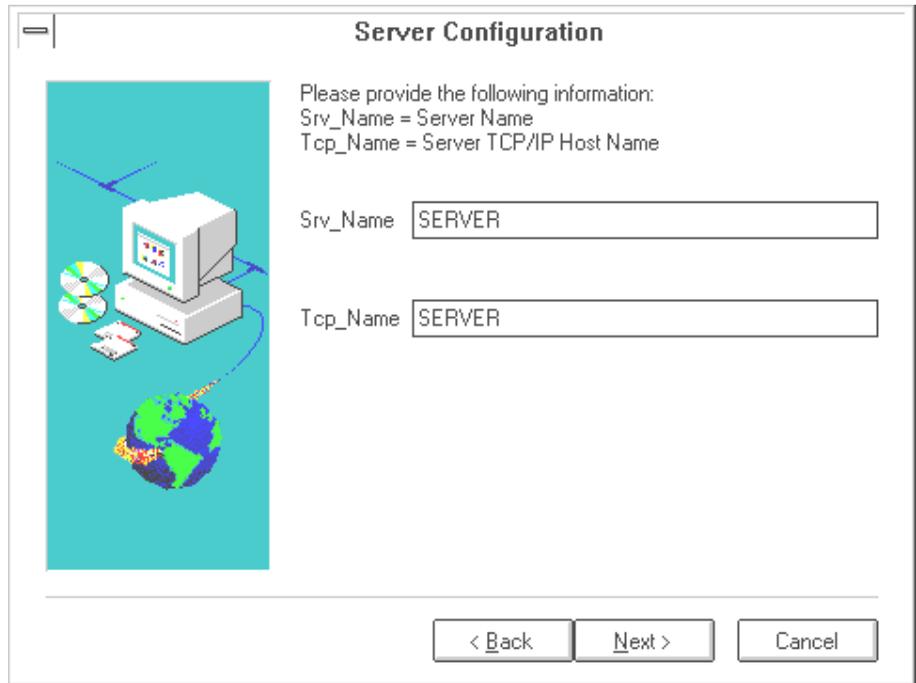


Figure 41. Windows 95 or Windows 98 Client - server configuration window

If you chose a protocol other than TCP/IP the Server Configuration window will show different fields from the ones shown here.

**7** Enter the **Server Name** and the **TCP/IP Name**, and select **Next**.

The User Name Configuration window appears.

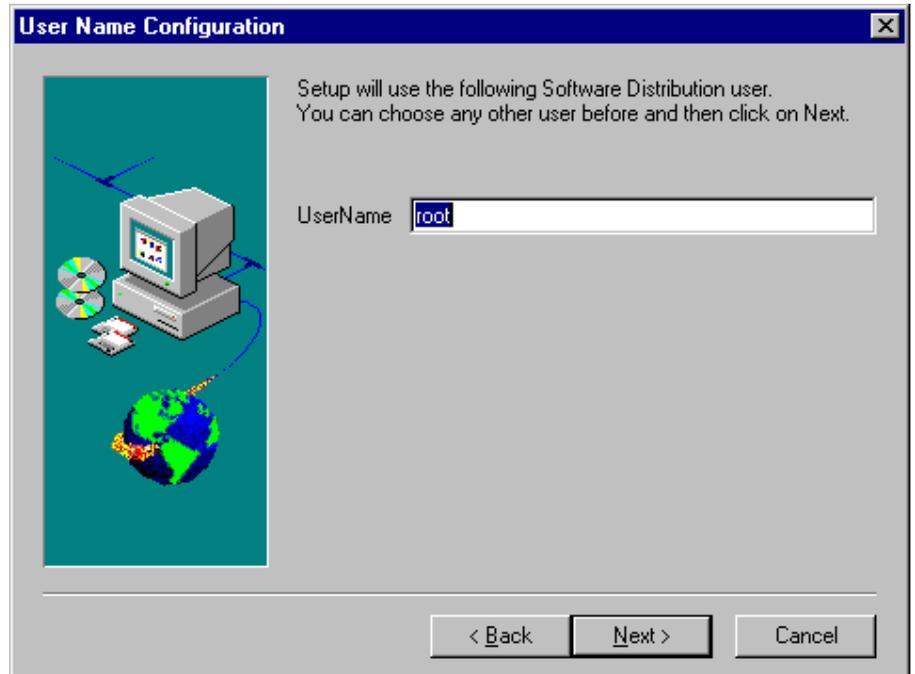


Figure 42. Windows 95 or Windows 98 Client - UserName configuration window

Enter the **User Name**, and select **Next**.

The Start Product Selection window appears.

## Installing a Windows 95 or 98 Client interactively

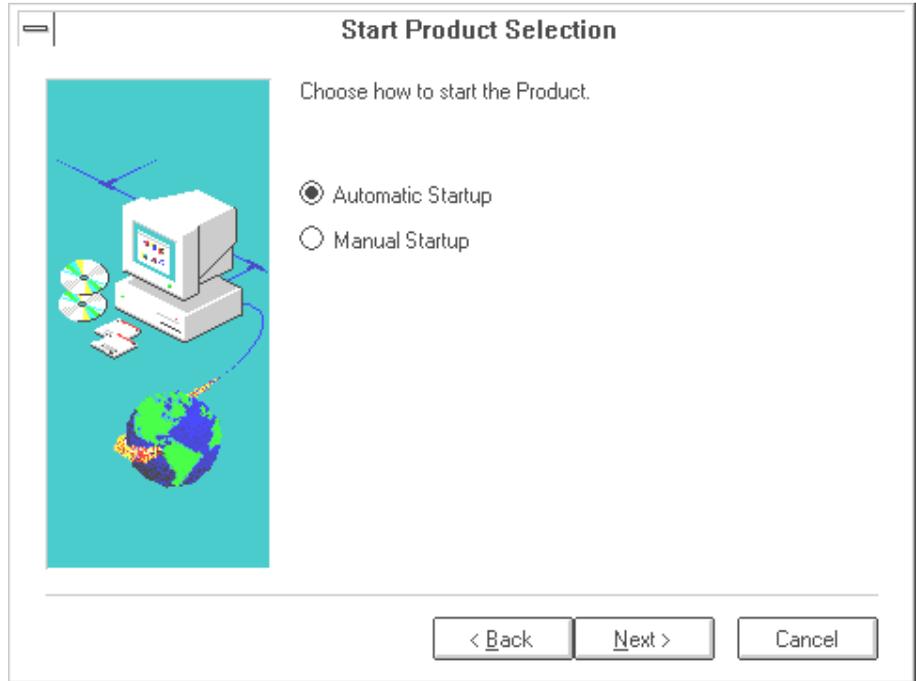


Figure 43. Windows 95 or Windows 98 Client - start product selection window

### 8 Select either **Automatic Startup** or **Manual Startup**.

If you choose **Automatic Startup**, the program defines a service from the Windows 95 or Windows 98 point of view, and the product will start automatically.

After you make your choice, select **Next**.

The Copying Profiles window appears. This window displays the progress of the installation.

When the installation is complete, the Setup Complete window appears.



Figure 44. Windows 95 or Windows 98 Client - setup complete window

- 9 Specify whether or not you want to restart your computer now, and select **Finish**. The installation process for the client is complete.

---

## Changing Protocols after the Installation

It is possible to change the installation protocols after you performed the installation. Since the installation scenario shows how to install the TME 10 Software Distribution client using the TCP/IP protocol the next section will show how to customize this installation for NetBIOS and IPX. Most of the customization procedure for the client is performed at the server. See the installation chapter of the *TME 10 Software Distribution for Windows NT Quick Beginnings* manual for information on the steps that are performed at the server.

Perform the following procedures at the client:

### Customizing the Client for NetBIOS

If you have already performed the client installation using the NetBIOS protocol, skip this section. If you want to change the installation protocol to use NetBIOS at the client, perform the following steps:

- 1 In the NVDM.CFG file, comment out the rows that contain:  
SERVER: (server\_name) TCP (server\_name)

## Upgrading a Windows 95 Client

```
PROTOCOL: TCP (client_host_name) 729 50
```

To comment something out, insert a # in the first column.

- 2 Remove the comment from the rows that contain:

```
#SERVER: (server_name) NBI (server_name)
```

```
#PROTOCOL: NBI (client_NBI_name) 0 50
```

To remove the comment, delete the # from the first column.

- 3 Save the file.

## Customizing the Client for IPX

If you have already performed the client installation using the IPX protocol, skip this section. If you want to change the installation protocol to use IPX at the client, perform the following steps:

- 1 In the NVDM.CFG file at the client site, comment out the rows that contains:

```
SERVER: (server_name) TCP (server_name)
```

```
PROTOCOL: TCP (client_host_name) 729 50
```

To comment something out, insert a # in the first column.

- 2 In the NVDM.CFG file at the client site, remove the comment from the rows that contain:

```
#SERVER: (server_name) IPX (NetId) (AdpAdd) (AplAdd)
```

```
#PROTOCOL: IPX (NetId) (AdpAdd) (AplAdd) 50
```

To remove the comment, delete the # from the first column.

- 3 Enter the correct values for the following:

(NetId)            Network ID

(AdAdd)           Adapter address

(AplAdd)          Application address It must be 869F.

- 4 Save the file.

---

## Upgrading a TME 10 Software Distribution for Windows 95 Client

This section describes how to upgrade a TME 10 Software Distribution for Windows 95 Client interactively (in attended mode) when using the TCP/IP communication protocol. See “Changing Protocols after the Installation” on page 77 for information on how to customize the installation for NetBIOS or IPX communication.

This procedure can also be used to install components of TME 10 Software Distribution, Version 3.1.5 for Windows 95 or Windows 98 that were not installed initially.

To upgrade a TME 10 Software Distribution client, perform the following steps:

- 1 Type the following command from the SD4WNT9x directory on the CD-ROM (number LK3T-5087-00):

```
setup
```

The Welcome window appears.

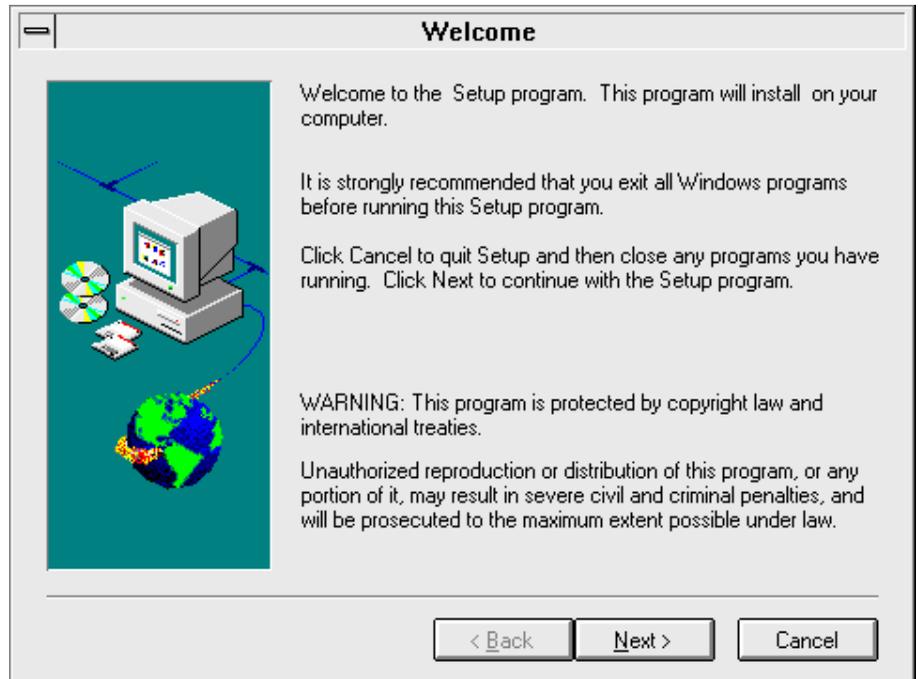


Figure 45. Windows 95 Client - installation welcome window

- 2 Select **Next** to continue with the installation.

The Reinstall Selection window appears.

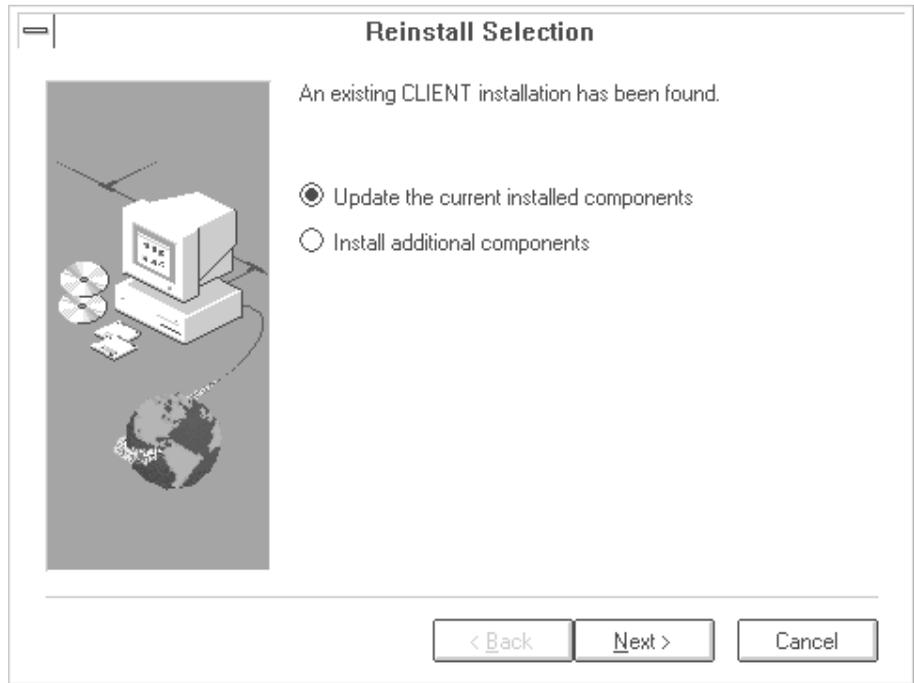


Figure 46. Windows 95 Client - reinstall selection window

On this window you specify whether you want to update the currently installed options or to install additional options. If you have previously installed all the options, only the first choice will be available:

- **Update the current installed components**

If you select this option, the binary files are reloaded in the same directory as the old files, and the old ones are overwritten. The configuration files are not changed.

- **Install additional components**

If you select this option, you will be able to install the components you did not previously install. The configuration files are not changed.

**3** Specify one of the two options, and select **Next**.

If you selected Update the current installed components, the Copying Profiles window appears. This window displays the progress of the upgrade.

When the upgrade is complete, the Setup Complete window appears. This is the same window that appears at the end of a first installation (see Figure 44 on page 77). Use this window to specify whether or not you want to restart your computer now. After you choose, select **Finish**. The upgrade process is complete.

If you selected Install additional components, the Select Components window appears.

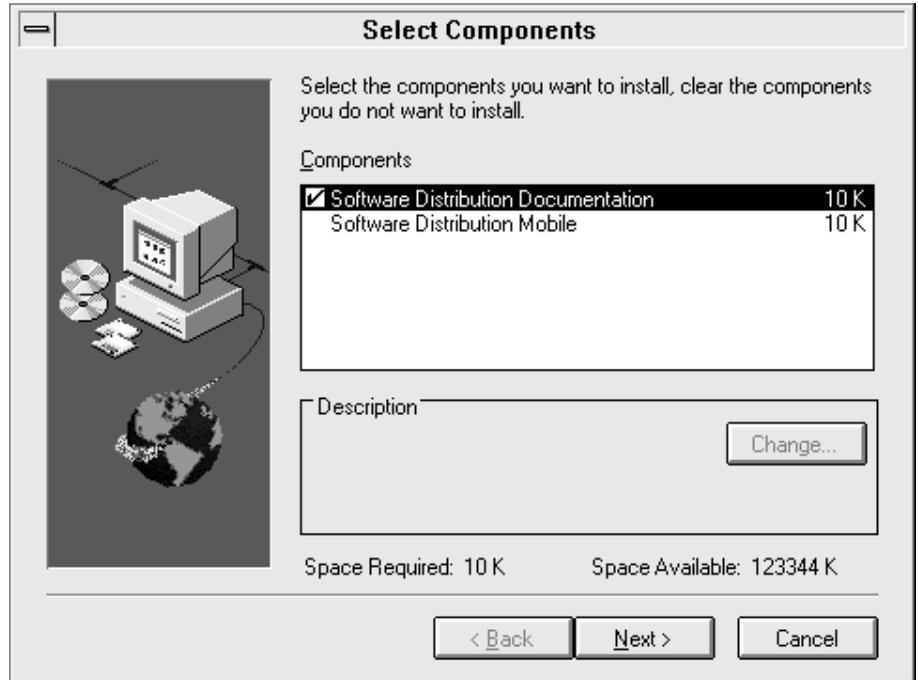


Figure 47. Windows 95 Client - select components window

- 4 Only the components that were not previously installed appear as choices. You cannot change the directory.

Specify the components you want to install, and select **Next**.

If you install the TME 10 Software Distribution Mobile client, during an upgrade, the binary files for the previously installed TME 10 Software Distribution base client are overwritten. The TME 10 Software Distribution GUI is automatically upgraded, and the configuration files are not changed.

The Copying Profiles window appears. This window displays the progress of the upgrade.

When the upgrade is complete, the Setup Complete window appears. This is the same window that appears at the end of a first installation (see Figure 44 on page 77).

- 5 Use this window to specify whether or not you want to restart your computer now. After you choose, select **Finish**. The upgrade process is complete.

## Uninstalling a Windows 95 or 98 Client

---

### Using a Response File to Install a TME 10 Software Distribution Client

You can install TME 10 Software Distribution for Windows 95 or Windows 98 in unattended, or silent, mode by using the sample response file that is provided with the TME 10 Software Distribution product on the CD-ROM. This sample file uses the TCP/IP communication protocol.

To install the TME 10 Software Distribution Client using a response file perform the following steps:

**1** Copy the response file, SETUP.ISS, to a private directory.

**2** Customize the file.

The file contains an explanation of the keywords and how to customize them. The lines of the file that you can customize are indicated with a string of asterisks. You must not modify lines that are not indicated with asterisks. The values you supply correspond to the values you supply on the installation panels during an attended installation.

**3** Enter the following command:

```
SETUP -f1c:\<mydir>\setup.iss -s
```

You can check the results of the installation in the log file that is created by the -f2 option on the SETUP command, and in the file INSTLOG in the installation directory.

---

### Uninstalling a TME 10 Software Distribution Client

When you uninstall, you must delete the entire product. You cannot delete only a part of it.

Perform the following steps to uninstall the TME 10 Software Distribution client:

**1** If the TME 10 Software Distribution product is running, stop it before you uninstall. To stop it, enter the following command:

```
NVDM STOP -x -k
```

**2** Close the TME 10 Software Distribution GUI.

**3** Select the **Uninstall** icon on the TME 10 Software Distribution group window.

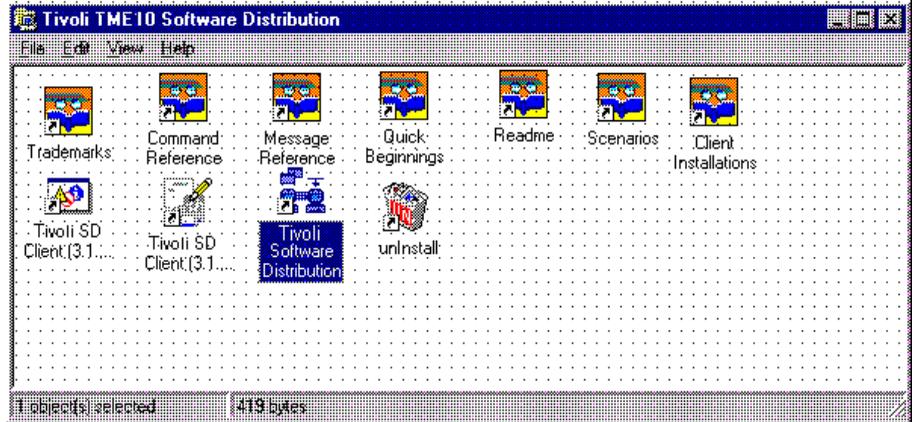


Figure 48. Windows 95 or Windows 98 Client - uninstall icon

A panel that asks, “Are you sure that you want to completely remove selected application and all of its components?” appears.

#### 4 Select **YES**.

A panel named “Remove Programs from Your Computer” appears.

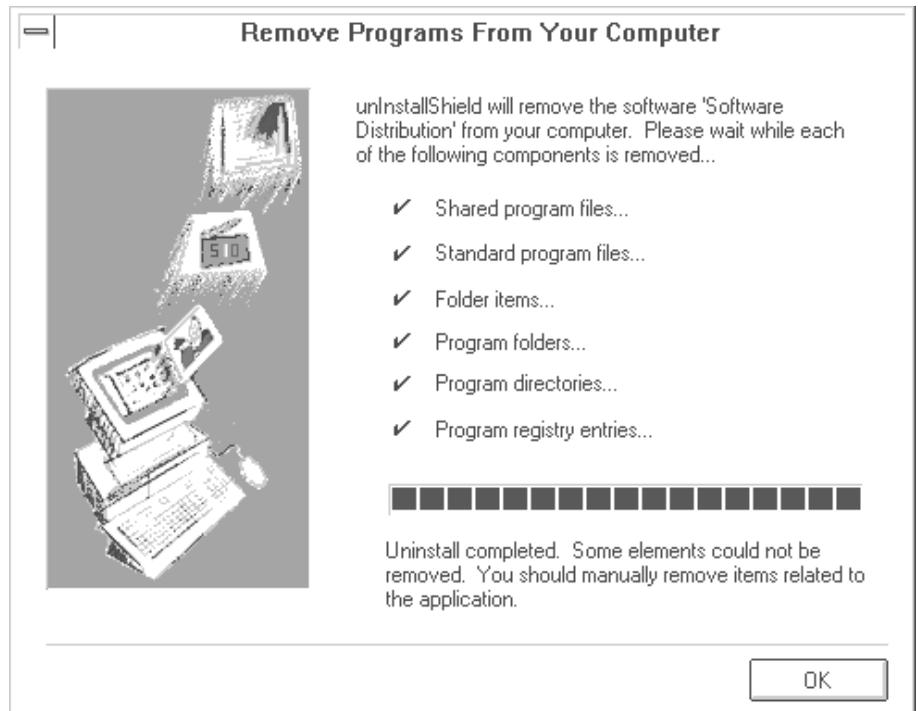


Figure 49. Windows 95 or Windows 98 Client - uninstallation window

## Removing Settings if the Uninstall Process Fails

### 5 Select **OK**.

A panel that says, "Please shut down your system before attempting a new installation of this product" appears.

### 6 Select **OK**.

---

## Removing Settings if the Uninstall Process Fails

When you install TME 10 Software Distribution for Windows 95 or Windows 98, the product sets some variables for the system environment and the Registry key. If the uninstall process fails, you must perform the following steps to remove these variables and keys:

1. Edit the AUTOEXEC.BAT file.
2. Delete the settings for the FNDCFG, NVDMBASE, and FNDUSER environment variables.
3. Delete the TME 10 Software Distribution path from the PATH variable.
4. From a command prompt enter the following command:  
`start regedit`  
The Registry Editor window appears.
5. Select My Computer ► HKEY\_LOCAL\_MACHINE ► SOFTWARE and delete the following keys:
  - SWOBJPRF.INI
  - NVDMGILG.INI
  - SWPRFINF.INI
6. Select My Computer ► HKEY\_LOCAL\_MACHINE ► SOFTWARE ► Microsoft ► Windows ► CurrentVersion ► RunServices and delete the NetViewDM key.
7. Select My Computer ► HKEY\_LOCAL\_MACHINE ► System ► CurrentControlSet ► Control and delete the NetViewDM key.
8. Close the registry editor.
9. Reboot the workstation.

---

## Chapter 6. Installing a TME 10 Software Distribution for Windows 3.11 Client

This chapter explains how to install and configure a TME 10 Software Distribution Client for Windows 3.11 from a CD-ROM. It includes a description of:

- The required hardware and software (“Hardware Prerequisites” and “Software Prerequisites” on page 86)
- How to install the product (“Installing a TME 10 Software Distribution for Windows 3.11 Client Interactively” on page 86)
- How to reinstall the product (“Updating a TME 10 Software Distribution Client Interactively” on page 91)
- How to save a configuration during a reinstallation (“Saving a Configuration during a Reinstallation” on page 99)
- How to use a response file to install the product (“Using a Response File to Install a TME 10 Software Distribution Client” on page 99)
- How to uninstall the product (“Uninstalling a TME 10 Software Distribution Client for Windows 3.11” on page 102)

**Readers Note:** The software and procedures described in this chapter have not changed since release 3.1.3. It is thus intentional that the panels displayed by the product (and the pictures of those panels in this chapter) contain references to version 3.1.3.

---

### Planning

This section lists all the software and hardware required to install and use the product.



The files for the TME 10 Software Distribution for Windows 3.11 Client are in the directory SD4W31 on the CD-ROM.

### Hardware Prerequisites

The minimum hardware requirements for installing a TME 10 Software Distribution client are:

- 386 processor without the GUI, 486 processor with the GUI
- At least 12 MB of RAM without the GUI, 16 MB with the GUI
- Disk space for the TME 10 Software Distribution client :
  - 5 MB for the client base
  - 10 MB for the GUI
  - 4 MB for the documentation
  - 4 MB for HW/SW discovery
  - 6 MB for the mobile client (including the base code)

## Installing a Windows 3.11 Client Interactively

### Software Prerequisites

- Windows 3.11
- One of the following operating systems is required on the TME 10 Software Distribution client workstation:
  - MS-DOS 6.2
  - IBM-DOS 6.3
  - PC-DOS 7.0
- Microsoft WIN32S
- SHARE.EXE

### Communication Protocols

One of the following communication protocols must be installed on the TME 10 Software Distribution client workstation:

- TCP/IP
- NetBIOS
- IPX

---

## Installing a TME 10 Software Distribution for Windows 3.11 Client Interactively

Perform the following steps to install the TME 10 Software Distribution Client interactively (in attended mode) using TCP/IP:

- 1 Add the SHARE comment to the AUTOEXEC.BAT file.
- 2 Go to the Program Manager window on Windows.
- 3 Select **File** from the menu.
- 4 Select **Run**.

The Run window appears.

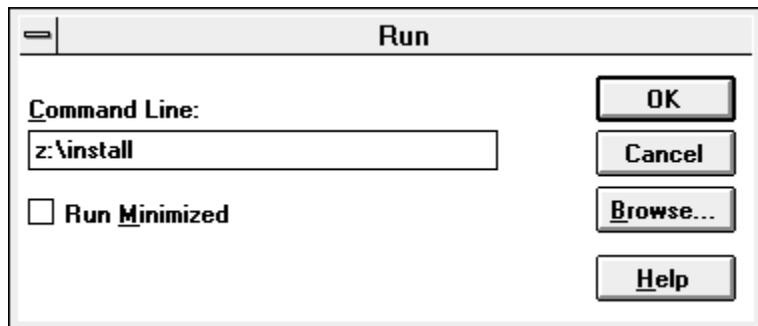


Figure 50. Run dialog box window for a Windows 3.11 Client

- 5 Enter `<install_drive>:\install` in the Command Line dialog box, and select **OK**.  
The Information windows appears, and the installation begins.  
The Software Installation Main window appears.

## 6 Select **Continue**.

The Install window appears.

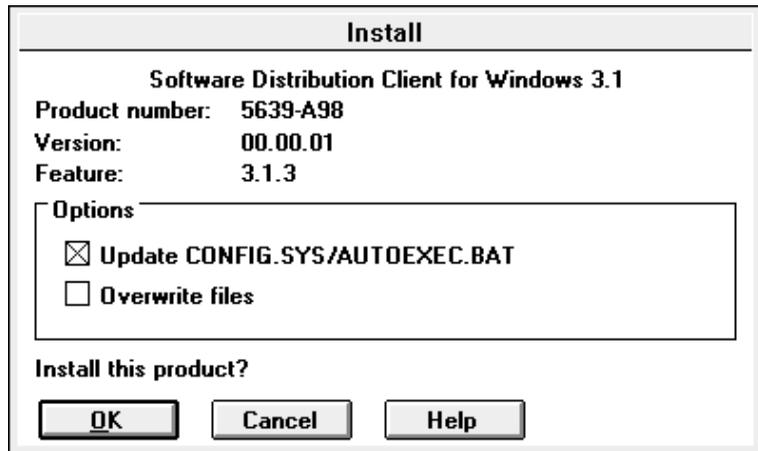


Figure 51. Install window for a Windows 3.11 Client

## 7 Select either or both of the following options:

- **Update CONFIG.SYS/AUTOEXEC.BAT**

If you select this option, any existing files are overwritten. If you do not select this option, new files are created whenever a file with the same name is encountered.

- **Overwrite files**

If you select this option, the program overwrites any files that are already installed. If you do not select this option a pop-up window appears for each file to ask you whether you want to overwrite that specific file.

Then select **OK** to continue the installation.

The Install - Directories window appears.

## Installing a Windows 3.11 Client Interactively

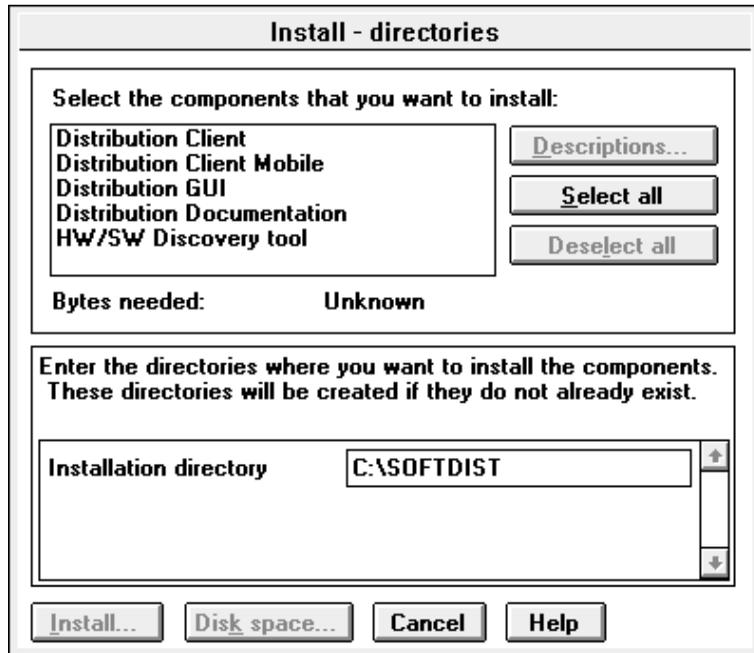


Figure 52. Install - directories window for a Windows 3.11 Client

- 8 In the Select the components field, select the product components that you want to install from the following list:

### **Distribution Client component**

Contains the TME 10 Software Distribution base product. You must select either this component or the **Distribution Client Mobile** component. You cannot select both.

### **Distribution Client Mobile component**

Contains the mobile client product.

### **Distribution GUI component**

Contains the user interface.

### **Distribution Documentation component**

Contains the product documentation. It is optional.

It is recommended that you install the Distribution Client Documentation component; the online helps sometimes refer to the INF documentation, and if you have not installed this component, you will not be able to link to it from the helps. To view this file requires no software other than the operating system.

### **HW/SW Discovery tool component**

The hardware/software discovery tool contains the programs that support hardware and software inventory discovery. These

## Installing a Windows 3.11 Client Interactively

programs come from the NetFinity product. It is optional. If your workstation already has NetFinity Manager or NetFinity Services installed, do not install this component of TME 10 Software Distribution.

- 9 Use the Installation Directory field on the same window to specify where you want to install the product. The default is **C:\SOFTDIST**.

The number of bytes required to install the product is displayed. If you want to check the available disk space to see whether there is enough space, select the **Disk Space** box.

The Disk Space window appears.

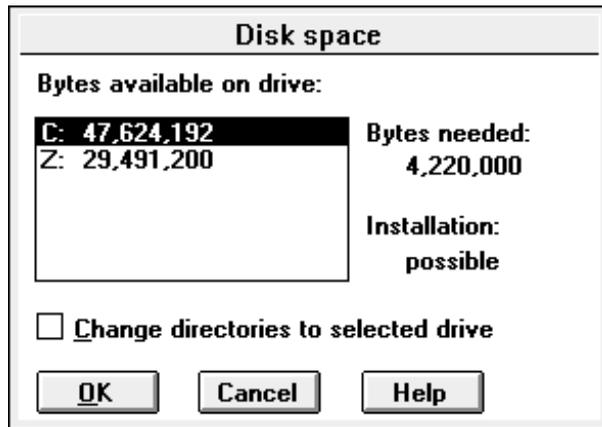


Figure 53. Disk space window for a Windows 3.11 Client

Select a different disk if necessary, then select **OK** to continue the installation.

The Install - Directories window reappears.

- 10 On the Install - Directories window, select **Install** to continue the installation.

The Install - Progress window appears, and the progress of the installation is displayed.

## Installing a Windows 3.11 Client Interactively

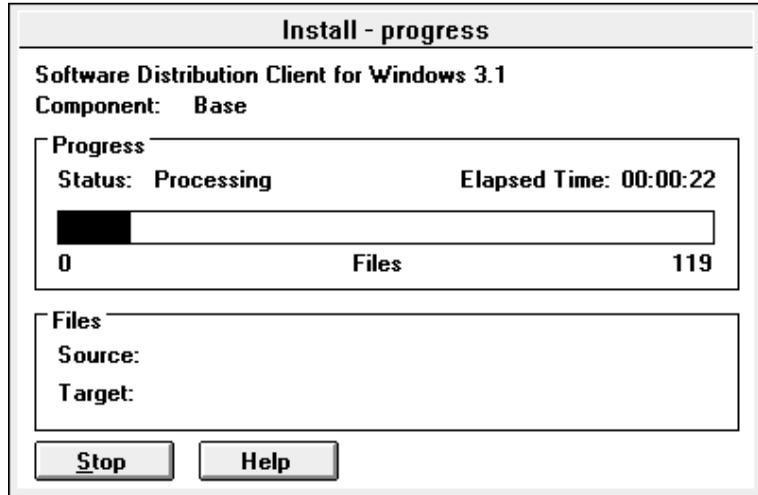


Figure 54. Install - progress window

The Server Name window appears as the installation progresses.

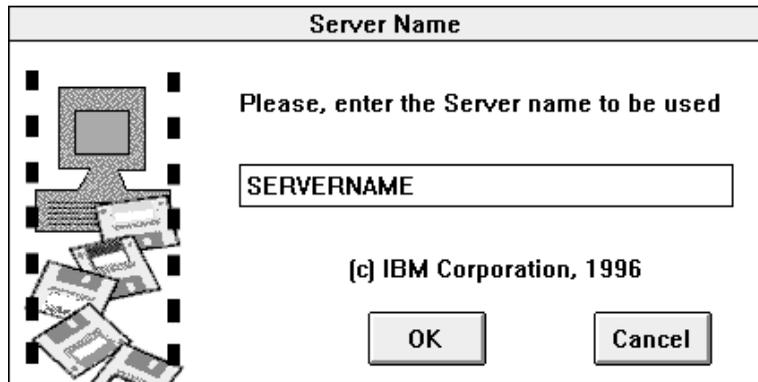


Figure 55. Server name window for a Windows 3.11 Client

- 11 Enter the name of the server, and select **OK**.

You can find the server name in the NVDM.CFG file for the server.

The Installation and Maintenance window appears when the installation is finished.



Figure 56. Installation and maintenance window for a Windows 3.11 Client

- 12** Select **OK** and then exit.
- 13** Edit the AUTOEXEC.BAT file before you reboot the workstation to ensure that the TME 10 Software Distribution environment variables appear before the last executable in the file.

The Software Installer installation program automatically adds the TME 10 Software Distribution environment variables to the end of AUTOEXEC.BAT. If any executable, such as WIN appears above the TME 10 Software Distribution environment variables, the environment variables are not read when you reboot.

---

### Updating a TME 10 Software Distribution Client Interactively

To update currently installed components of TME 10 Software Distribution perform the steps in “Updating Currently Installed Components.”

To install additional components of TME 10 Software Distribution perform the steps in “Installing Additional Components” on page 96.

### Updating Currently Installed Components

Perform the following steps to Update currently installed TME 10 Software Distribution components:

## Updating a TME 10 Software Distribution Client

- 1 Select the **Installation Utility** icon from the TME 10 Software Distribution desktop.

The Installation and Maintenance window appears.

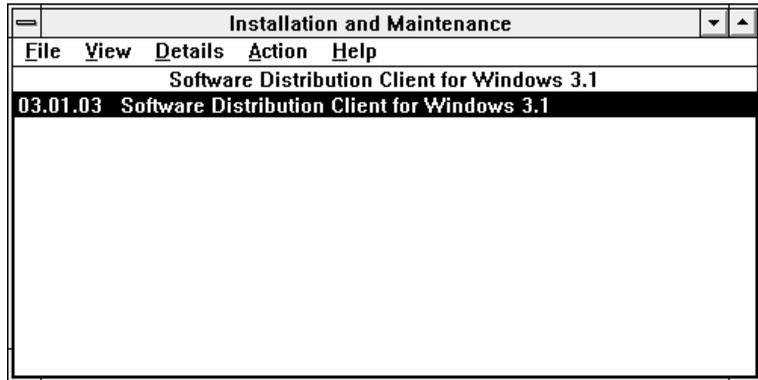


Figure 57. Installation and maintenance window for a reinstallation

- 2 Select **Update** from the Action pull-down menu.

The Update window appears.

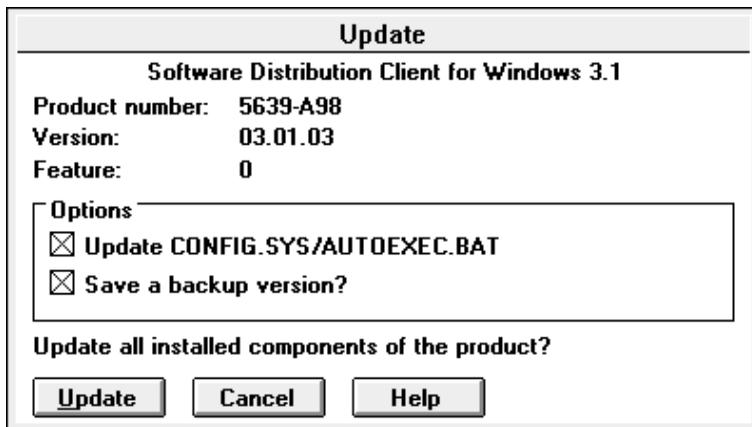


Figure 58. Update window for a Windows 3.11 Client

**3** Select either or both of the following options:

- **Update CONFIG.SYS/AUTOEXEC.BAT**

Using this option affects all the installed components for which an update exists.

- **Save a backup version**

This option enables a Restore action so that the current service level can be restored at a later date. See "Saving a Configuration during a Reinstallation" on page 99 for information on how to make backups before you begin the reinstallation process.

Check that you have enough disk space available if you choose the Backup option.

After you make your selection, select **Update**.

## Updating a TME 10 Software Distribution Client

The Update - progress window appears.

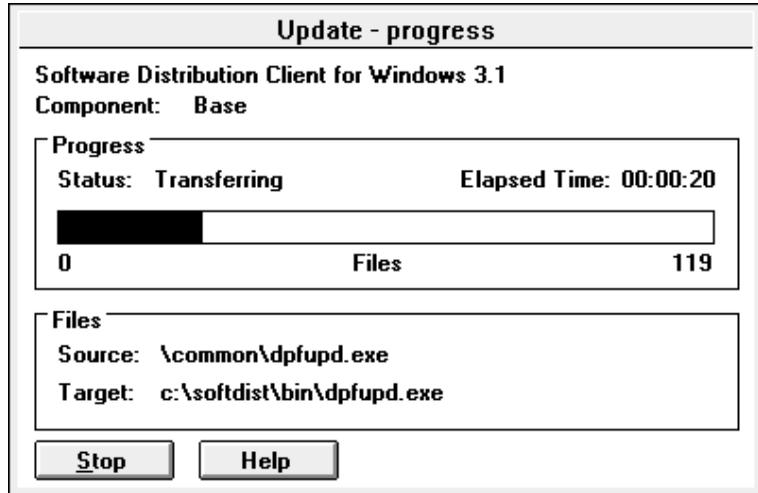


Figure 59. Update - progress window for a Windows 3.11 Client

The Server Name window appears as the reinstallation progresses.

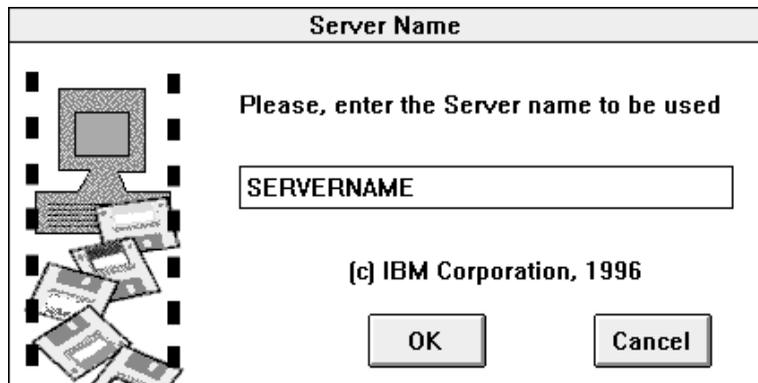


Figure 60. Server name window for a Windows 3.11 Client

- 4 Enter the name of the server, and select **OK**.

You can find the server name in the NVDM.CFG file for the server.

The Installation and Maintenance window appears when the reinstallation is finished.



Figure 61. Installation and maintenance window for a Windows 3.11 Client

- 5 Select **OK** and then exit.
- 6 Edit the AUTOEXEC.BAT file before you reboot the workstation to ensure that the TME 10 Software Distribution environment variables appear before the last executable in the file.

The Software Installer installation program automatically adds the TME 10 Software Distribution environment variables to the end of AUTOEXEC.BAT. If any executable, such as WIN appears above the TME 10 Software Distribution environment variables, the environment variables are not read when you reboot.

# Installing Additional Components

## Installing Additional Components

Perform the following steps to install additional TME 10 Software Distribution components:

- 1 Select the **Installation Utility** icon from the TME 10 Software Distribution desktop.

The Installation and Maintenance window appears.

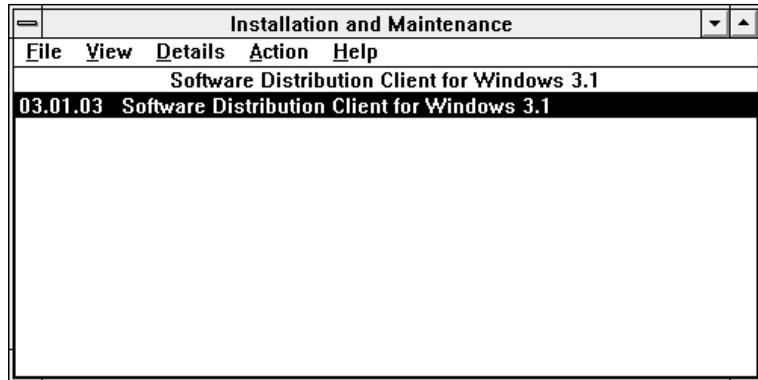


Figure 62. Installation and maintenance window for a reinstallation

- 2 Select **Install** from the Action pull-down menu.

The Install window appears.

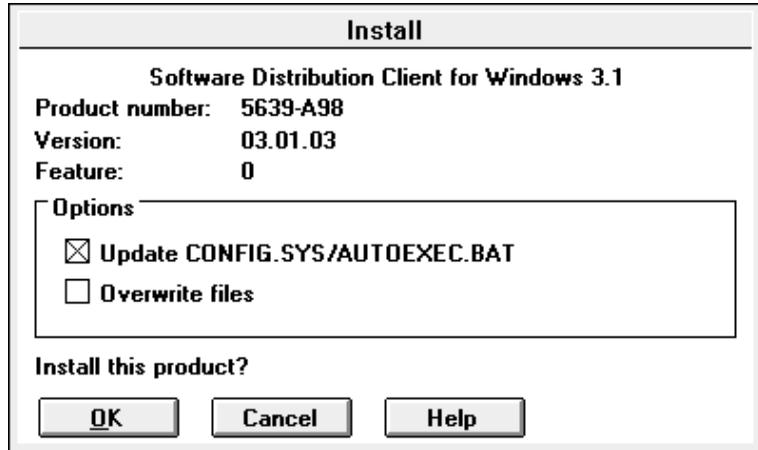


Figure 63. Install window for reinstallation

**3** Select either or both of the following options:

- **Update CONFIG.SYS/AUTOEXEC.BAT**

If you select this option, any existing files are overwritten. If you do not select this option, new files are created whenever a file with the same name is encountered.

- **Overwrite files**

If you select this option, the program overwrites any files that are already installed. If you do not select this option a pop-up window appears for each file to ask you whether you want to overwrite that specific file.

Then select **OK** to continue the installation.

## Installing Additional Components

The Install - Directories window appears.

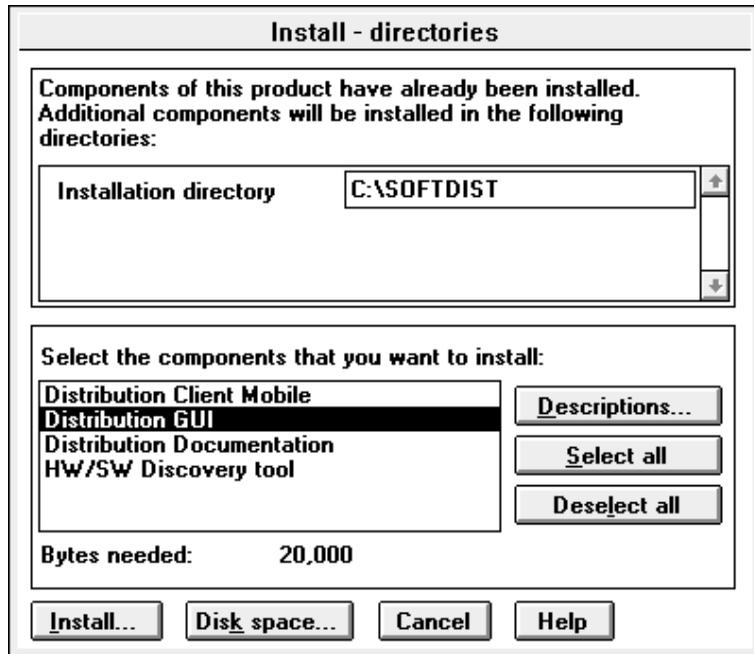


Figure 64. Install - directories window for a reinstallation

- 4 In the Select the components field, select the TME 10 Software Distribution components that you want to install. Only those components not currently installed are listed.
- 5 After you make your selection, select **Install**. The normal installation process will continue.
- 6 Edit the AUTOEXEC.BAT file before you reboot the workstation to ensure that the TME 10 Software Distribution environment variables appear before the last executable in the file.

The Software Installer installation program automatically adds the TME 10 Software Distribution environment variables to the end of AUTOEXEC.BAT. If any executable, such as WIN appears above the TME 10 Software Distribution environment variables, the environment variables are not read when you reboot.

---

## Saving a Configuration during a Reinstallation

To avoid losing your entire configuration when you reinstall a TME 10 Software Distribution Client, copy the `config.sys`, `autoexec.bat`, and `system.ini` files to a safe location before you reinstall, and copy them back afterwards. Perform the following procedure at the server to save your configuration:

- 1** Find a secure directory in which to save the files. For example, use `c:\oldcopy`
- 2** To copy the files for the TME 10 Software Distribution Client for Windows 3.11 to your safe directory, enter the following commands:
  - `copy c:\autoexec.bat c:\oldcopy`
  - `copy c:\config.sys c:\oldcopy`
  - `copy c:\windows\system.ini c:\oldcopy`
- 3** Reinstall the TME 10 Software Distribution Client.
- 4** To restore the TME 10 Software Distribution Client files, enter the following commands:
  - `copy c:\oldcopy\autoexec.bat c:\`
  - `copy c:\oldcopy\config.sys c:\`
  - `copy c:\oldcopy\system.ini c:\windows`

---

## Using a Response File to Install a TME 10 Software Distribution Client

You can install TME 10 Software Distribution for Windows 3.11 in unattended, or silent, mode by using the sample response file that is provided with the TME 10 Software Distribution product on the CD-ROM. This sample file uses the NBI communication protocol.

## Installing the Windows 3.11 Client with a Response File

To install the TME 10 Software Distribution Client using a response file perform the following steps:

- 1 Copy the response file, NVDMA.RSP, that is stored in the SD4W31 directory to a private directory.
- 2 Customize the file.

The keywords of the file that you can customize are the following:

<b>TARGET PATH</b>	The destination path
<b>COMP</b>	The TME 10 Software Distribution 3.1.3 for Windows 3.11 components that you want to install. Remove the semicolon (;) that precedes the component keyword that you want to install.
<b>PROTOCOL</b>	The protocol type. Specify one of the following protocol types: <ul style="list-style-type: none"><li>• IPX</li><li>• NBI</li><li>• TCP/IP</li></ul>
<b>SERVERNAME</b>	The name of the server
<b>SERVERADDR</b>	The server address
<b>WRKNAME</b>	The workstation name
<b>WRKADDR</b>	The workstation address
<b>TRGADDR</b>	The target address.

You must not modify the keywords that are not described. The values you supply correspond to the values you supply on the installation panels during an attended installation.

An example of the NVDMA.rsp follows:

## Installing the Windows 3.11 Client with a Response File

```
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
;                               SAMPLE                               ;
; TME 10 Software Distribution for Windows 31 Response File ;
;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;

; Target path
FILE = C:\SOFTDIST

; Work area
; It's the path for the data directory
WORK = C:\SOFTDIST

; TME 10 Software Distribution components to install
COMP = Distribution Client
; COMP = Distribution Client Mobile
; COMP = Distribution GUI
; COMP = Distribution Documentation
; COMP = HW/SW Discovery tool

UNATTENDED = "1"
DELETEBACKUP = No
SAVEBACKUP = Yes
CFGUPDATE = Auto
OVERWRITE = Yes
PROTOCOL = NBI
SERVERNAME = asia
SERVERADDR = asia
WRKNAME = cli02
WRKADDR = cli02
TRGADDR = cli02
```

### 3 Enter the following command:

```
INSTALL /R:<responsefile> /L1:<errorlog> ►
/L2:<historylog> /X
```

Where `errorlog` and `historylog` are optional.

You can check the results of the installation by editing the `ERRORLOG` log file and the `HISTORYLOG` log file.

### Uninstalling a TME 10 Software Distribution Client for Windows 3.11

If the TME 10 Software Distribution product is running, stop it before you uninstall. To stop it, perform the following steps:

- 1 Enter the following command:  
`NVDM STOP -x -k`
- 2 Close the TME 10 Software Distribution GUI.

When you uninstall, you must delete the entire product. You cannot delete only a part of it. There are two ways to uninstall the product:

- To uninstall from the Installation Utility icon on the desktop perform the steps in “Uninstalling from the Installation Utility Icon” on page 103.
- To uninstall from the Installation options window perform the steps in “Uninstalling from the Installation Options Window” on page 105.

## Uninstalling from the Installation Utility Icon

Perform the following steps to uninstall the TME 10 Software Distribution client:

- 1 Select the **Installation Utility** icon on the TME 10 Software Distribution group window.

The Installation and Maintenance window appears.

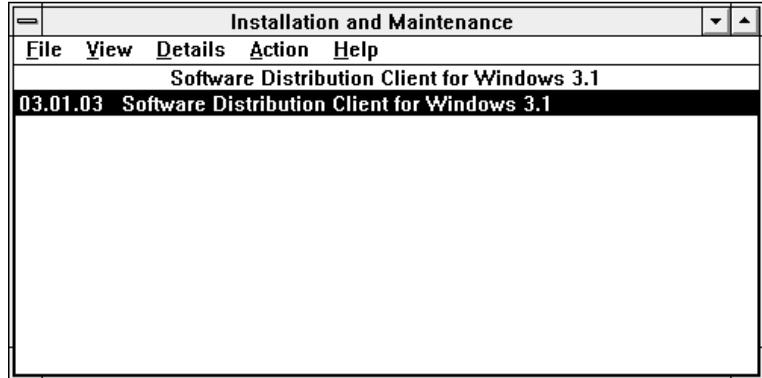


Figure 65. Installation and maintenance window for a deletion

- 2 Select **Delete** from the Action pull-down menu.

## Uninstalling a Windows 3.11 Client

The Delete window appears.

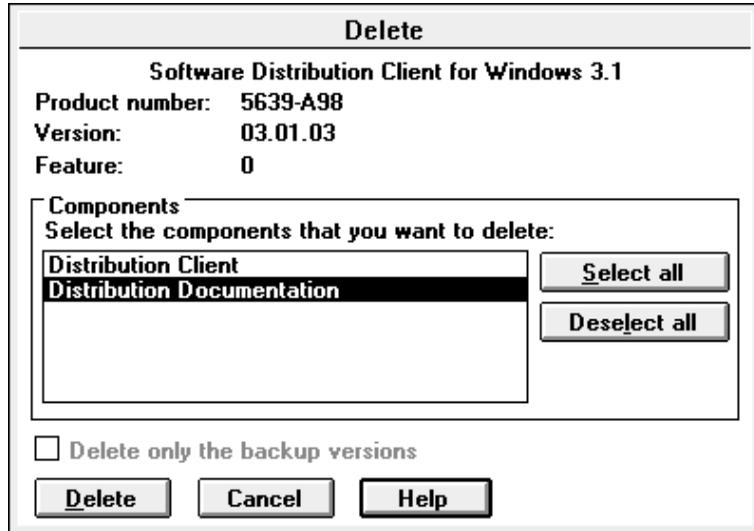


Figure 66. Delete window for a Windows 3.11 Client

Only the currently installed components are listed.

- 3 Select the components that you want to uninstall, and select **Delete**.

The Delete Progress window appears.

When the deletion has completed, the Installation and Maintenance window appears with the message that the selected components have been successfully deleted.



Figure 67. Installation and maintenance window for uninstallation

- 4 Select **OK**.

## Uninstalling from the Installation Options Window

Perform the following steps to uninstall the TME 10 Software Distribution client:

- 1 Go to the Program Manager window on Windows.
- 2 Select **File** from the menu.
- 3 Select **Run**.

The Run window appears.

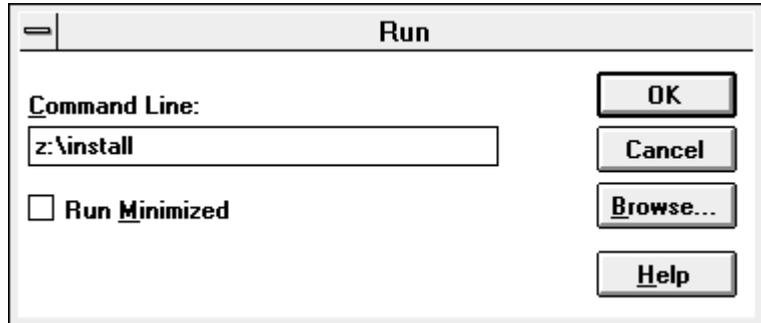


Figure 68. Run dialog box window for a Windows 3.11 Client

- 4 Enter `<install_drive>:\install` in the Command Line dialog box, and select **OK**.  
The Installation options window appears.

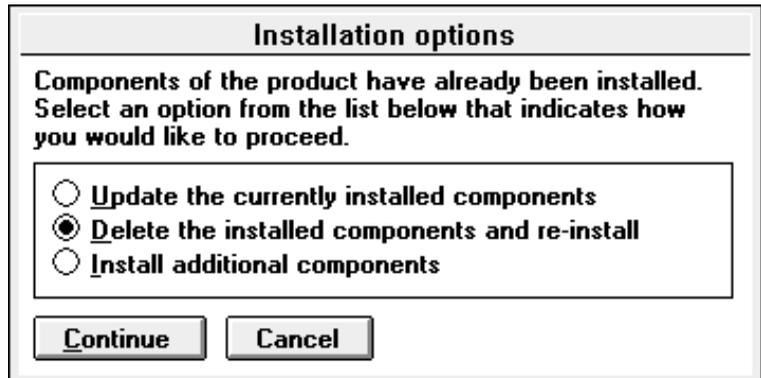


Figure 69. Install options window for uninstallation of a Windows 3.11 Client

## Uninstalling a Windows 3.11 Client

- 5 Select **Delete the installed components and re-install**, and Select **Continue**.  
The Delete window appears.

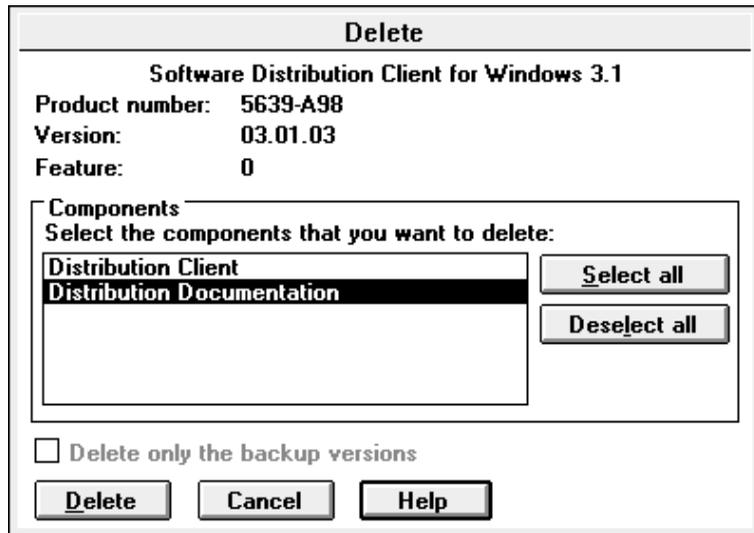


Figure 70. Delete window for a Windows 3.11 Client

Only the currently installed components are listed.

- 6 Select the components, and select **Delete**.

The Progress window appears.

When the deletion has completed, the Installation and Maintenance window appears with the message that the selected components have been successfully deleted.



Figure 71. Installation and maintenance window for uninstallation

- 7 Select **OK**.

### Setting the System Files

To use the activate command, you must add the following line to section 386Enh in the file system.ini.

```
device=fndbo.386
```

---

### Removing Settings if the Uninstall Process Fails

When you install TME 10 Software Distribution for Windows 3.11, the product sets some variables in the AUTOEXEC.BAT and in the \*.INI Windows files. If the uninstall process fails, you must perform the following steps to remove these variables:

1. Edit the AUTOEXEC.BAT file.
2. Delete the settings for the FNDCFG, NVDMBASE, FNDUSER environment variables.
3. Delete the TME 10 Software Distribution path from the PATH variable
4. Delete the REM FNDPRISTINE=0 and the \product\_path\BIN\FNDCMWIN.COM statements.
5. Edit the WIN.INI Window file.
6. In the [windows] section delete the fndinit1.exe file from the run statement.
7. Edit the SYSTEM.INI file and delete the device=FNDBO.386 statement from the [386Enh]section.
8. Reboot the workstation.



## Chapter 7. Editing the Base Configuration File

The only configuration details stored at the client are in the base configuration file. On OS/2 and Windows clients the file is stored as <product\_directory>\nvdm.cfg. On AIX clients this file is stored as /usr/lpp/netviewdm/db/nvdm.cfg.

A default copy of the base configuration file is set up for the client during installation. You can edit the base configuration file using any text editor.

### AIX Considerations

You need to make some changes to this file when you first install the AIX client, unless a preconfigured install package was prepared at the server.

If you do not have a preconfigured client, you must edit the following keywords in the base configuration file:

<b>SERVER</b>	Specify the name of the server the client is connected to.
<b>TCP/IP PORT</b>	Change the default value of 729 if the port number used at the server is different.

There are a few circumstances under which you edit the client's base configuration file:

- When you rename your client, you must change the workstation ID stored in the file.
- When you rename your server, you must change the name of the server stored in the client's base configuration file.
- When you change the TCP/IP port number, IPX address, or NetBIOS name of the server, you must change the value stored on the client.
- When you want to change the client's log file size.
- When you want to change the client's trace file size.
- When you want to change the client's API file size.
- When you want to attach your client to more than one server, you list all of the servers in the client's base configuration file (see "Attaching to Multiple Servers" on page 43).
- When you want the client to be registered automatically at all the servers it is connected to the first time a connection is made, set the TARGET ADDRESS and TARGET MODE keywords.

The base configuration file contains keywords described in Table 6 on page 110.

## Editing the Base Configuration File

<i>Table 6 (Page 1 of 7). Base Configuration File Parameters</i>	
<b>Keyword</b>	<b>Description</b>
<b>API TRACE FILE SIZE</b>	<p>The maximum size of the API trace files in bytes. When the trace file is full, it is automatically backed up, and a new trace file is started.</p> <p>You can change this value but it should not normally be necessary. A large value requires more disk space. A small value degrades performance very slightly, because the trace is backed up more often.</p>
<b>BACKUP AREA</b>	<p>The name of the directory where software objects are stored when they are installed as removable. The default on AIX workstations is &lt;product_directory&gt;/backup. The default on OS/2 and Windows NT workstations is &lt;product_directory&gt;\backup.</p> <p>If you change the default path, you must copy all files into the new path, or you will lose information about change-control history. If the default path for the backup area is changed, the path is not removed automatically if the product is uninstalled.</p>
<b>CONFIGURATION</b>	<p>The configuration of your node. The name is set up during installation and cannot be changed. For clients, the value for this keyword is always CLIENT.</p>
<b>FILE SYSTEM</b>	<p>The name of the file system that the operating system supports. Based on this keyword, the product chooses the local name when a request provides multiple local names.</p> <p>The default is one of the following numeric values, depending on the operating system:</p> <ul style="list-style-type: none"> <li><b>1</b> UNIX based operating systems</li> <li><b>2</b> OS/2, Windows, DOS</li> <li><b>3</b> NetWare</li> <li><b>5</b> Windows NT</li> </ul>
<b>FORWARDS OFFLINE LOGS</b>	<p>This keyword defines whether or not you want to send the server, when a new connection is established, all the message log entries that were created while a mobile client was disconnected. The default is YES.</p>
<b>FULLY DISCONNECTED</b>	<p>An indicator of whether the client can operate independently, without connecting to a server. A fully disconnected client has its own catalog, and updates to the catalog are made via diskette. Possible values for this keyword are YES and NO; the default is NO.</p>

Table 6 (Page 2 of 7). Base Configuration File Parameters

Keyword	Description
<b>INVENTORY PROGRAM</b>	The name of the program invoked when the <b>inv</b> command is issued. It creates the <b>fnswinv</b> file.
<b>LOG FILE SIZE</b>	<p>The maximum size of the message log file in bytes. When the log file is full, it is automatically backed up, and a new log file is started.</p> <p>You can change this value but it should not normally be necessary. A large value requires more disk space. A small value degrades performance slightly, because the log is backed up more often.</p>
<b>MACHINE TYPE</b>	<p>The operating system in use on your workstation.</p> <p>This name is set up during installation and cannot be changed.</p>
<b>MAX ATTEMPTS</b>	<p>The maximum number of failed attempts to connect to the server before the system temporarily revokes server access.</p> <p>The default is 5.</p>
<b>MAX USER INTERFACES</b>	<p>The maximum number of simultaneously connected user interfaces (command line and GUI sessions).</p> <p>The default is 20.</p>
<b>MESSAGE LOG LEVEL</b>	<p>This field defines the log level that should be used by clients before they establish a connection to the server and discover the level configured for them there.</p> <p>Three log levels are available:</p> <p><b>M</b> Minimal  <b>N</b> Normal  <b>D</b> Diagnostic</p>
<b>OS USER</b>	<p><b>AIX Only:</b> The name of a user of the operating system. This keyword is checked whenever a send, retrieve, or delete operation has been requested for a file, to make sure that the OS USER is authorized to perform the operation. If * (asterisk) is specified for OS USER, then this check is performed on the originator of the request.</p> <p>The default is root.</p>

## Editing the Base Configuration File

Table 6 (Page 3 of 7). Base Configuration File Parameters	
Keyword	Description
<b>PROTOCOL (AIX)</b>	<p>The transmission protocol used to communicate with the server. Enter a value using the following syntax:</p> <pre>&lt;protocol name&gt; &lt;address&gt;</pre> <p>Where:</p> <pre>&lt;protocol name&gt;</pre> <p>Is either TCP (for TCP/IP) or SNA. The default is TCP.</p> <pre>&lt;address&gt;</pre> <p>If protocol name is TCP, enter the port number. It defaults to the TCP/IP PORT keyword in the base configuration file.</p> <p>If protocol name is SNA, specify the server's SNA Services address, netid.luname.lumode, or the server's SNA Services Side Profile name.</p>
<b>PROTOCOL (OS/2 and Windows)</b>	<p>The transmission protocol used to communicate with the server. Enter a value using the following syntax:</p> <pre>&lt;protocol name&gt; &lt;address&gt;</pre> <p>Where:</p> <pre>&lt;protocol name&gt;</pre> <p>Is either TCP (for TCP/IP), IPX, NBI (for NetBIOS), or SNA.</p> <pre>&lt;address&gt;</pre> <p>If protocol name is TCP, specify:</p> <pre>TCP hostname port_number max_connections</pre> <p>If protocol name is IPX, specify:</p> <pre>IPX IPX address</pre> <p>If protocol name is NBI, specify:</p> <pre>NBI NetBIOS_name adapter_number max_connections</pre> <p>If protocol name is SNA, specify:</p> <pre>SNA local_LU_alias</pre>
<b>REPOSITORY</b>	<p>The name of the repository where TME 10 Software Distribution stores its objects. The default repository is &lt;product_directory&gt;/repos on AIX workstations, and &lt;product_directory&gt;\repos on OS/2 and Windows workstations.</p> <p>If the default repository path is changed, the repository is not removed automatically if the product is uninstalled.</p>

Table 6 (Page 4 of 7). Base Configuration File Parameters

Keyword	Description
<b>SERVER (AIX)</b>	<p>The name of the server the client is linked to. It is set up automatically on the server during installation. If you do not know this name, you can find it in the server base configuration file.</p> <p>You can specify more than one server for a client. Use this keyword to name up to five servers. The first instance defines the server that provides the server function for the client being defined in this table; the other instances define servers that can be accessed from this client for administrative purposes.</p> <p>Note that the server name MYSELF is used by the system for local mobile client connections, and thus cannot be used to name any other server.</p> <p>Enter a SERVER value using the following syntax:</p> <pre style="margin-left: 40px;">&lt;server&gt; &lt;transport&gt; &lt;server_hostname&gt;</pre> <ol style="list-style-type: none"> <li>1. If the server is connected to this client through NetBIOS, specify:  <pre style="margin-left: 40px;">SERVER: (server_name) NBI (server_name)</pre> </li> <li>2. If the server is connected to this client across IPX, then you must specify:  <pre style="margin-left: 40px;">SERVER: (server_name) IPX (sNetId) ▶  (sAdpAdd) (sApIAdd)</pre> <p>The previous command must be typed on a single line, without the arrowhead. It can be entered in either all uppercase or all lowercase characters.</p> </li> <li>3. If the server is connected to this client across SNA/DS (APPC), then you must specify:  <pre style="margin-left: 40px;">SERVER: (server_name) SNA ▶  (netid.luname.lumode)</pre> <p>or</p> <pre style="margin-left: 40px;">SERVER: (server_name) SNA ▶  (SNA Services Side Information ▶  Profile name)</pre> <p>The above information can be entered in either all uppercase or all lowercase characters.</p> </li> </ol>

## Editing the Base Configuration File

<i>Table 6 (Page 5 of 7). Base Configuration File Parameters</i>	
<b>Keyword</b>	<b>Description</b>
<b>SERVER (OS/2 and Windows)</b>	<p>The name of the server the client is linked to. It is set up automatically on the server during installation. If you do not know this name, you can find it in the server base configuration file.</p> <p>Note that the server name MYSELF is used by the system for local mobile client connections, and thus cannot be used to name any other server.</p> <p>Enter a SERVER value using the following syntax:</p> <pre style="margin-left: 40px;">&lt;server&gt; &lt;transport&gt; &lt;server_hostname&gt;</pre> <ol style="list-style-type: none"> <li>1. If the server is connected to this client through TCP/IP, specify.  <pre style="margin-left: 40px;">SERVER: (server_name) TCP (hostname)</pre> </li> <li>2. If the server is connected to this client through NetBIOS, specify.  <pre style="margin-left: 40px;">SERVER: (server_name) NBI (NetBIOS_name)</pre> </li> <li>3. If the server is connected to through client through IPX, specify:  <pre style="margin-left: 40px;">SERVER: (server_name) IPX IPX_address</pre> </li> <li>4. If the server is connected to this client through SNA/DS (APPC), specify:  <pre style="margin-left: 40px;">SERVER: (server_name) SNA ►  (netid.luname.lumode)</pre> </li> </ol>
<b>SERVICE AREA</b>	<p>The name of the directory that files and information are stored in when software objects that require activation are installed. The directory should belong to a local file system mounted during startup. The default service area is &lt;product_directory&gt;/service on AIX workstations, and &lt;product_directory&gt;\service on OS/2 and Windows workstations.</p> <p>If you change the default path, you must copy all files into the new path, otherwise change control history information is lost. If the default path for the service area is changed, it is not removed automatically if the product is uninstalled.</p>

Table 6 (Page 6 of 7). Base Configuration File Parameters

Keyword	Description
<b>TARGET ADDRESS</b>	<p>This keyword specifies the target address in the form <code>server short name.short name</code>.</p> <p><b>OS/2 and Windows:</b> This keyword is set during installation; you do not need to edit it.</p> <p><b>AIX:</b> This keyword must be specified for the target to be configured automatically (autoregistered) at the server the first time the target connects to it. The target is also automatically configured at all the servers above it in the network hierarchy.</p> <p>The server must have the <code>AUTOMATIC TARGET REGISTRATION</code> keyword in its base configuration file set to <code>YES</code> for autoregistration to take place.</p> <p>After autoregistration has completed, an inventory discovery is performed for the client. The results of the procedure are sent to the client, but can be sent only if the user who autoregistered the client at the server has the <code>Modify Configuration</code> authorization.</p>
<b>TARGET MODE</b>	<p>This keyword specifies the target mode. It must be specified for the target to be configured automatically (autoregistered) at the server the first time the target connects to it. The target is also automatically configured at all the servers above it in the network hierarchy. One of the following values can be specified:</p> <ul style="list-style-type: none"> <li>• <code>PUSH</code></li> <li>• <code>PULL</code></li> </ul> <p><code>PUSH</code> is the default.</p> <p>The server must have the <code>AUTOMATIC TARGET REGISTRATION</code> keyword in its base configuration file set to <code>YES</code> for autoregistration to take place.</p> <p>After autoregistration has completed, an inventory discovery is performed for the client. The results of the procedure are sent to the client, but can be sent only if the user who autoregistered the client at the server has the <code>Modify Configuration</code> authorization.</p>
<b>TARGET PASSWORD AUTHENTICATION</b>	<p>This keyword activates the target authentication feature.</p> <p>Valid values are:</p> <ul style="list-style-type: none"> <li>• <code>YES</code></li> <li>• <code>NO</code></li> </ul> <p>The default is <code>NO</code>.</p>

## Sample Client Base Configuration Files

Keyword	Description
<b>TCP/IP PORT</b>	<p><b>AIX:</b> The TCP/IP port number of your TME 10 Software Distribution server. It must be a decimal number. This is set up automatically during the installation process and has the value 729. You need to change this field if the TCP/IP port number of your server is changed. Otherwise, the field should not be altered.</p> <p><b>OS/2 and Windows:</b> The TCP/IP port number is specified in the PROTOCOL keyword.</p>
<b>TRACE FILE SIZE</b>	<p>The maximum size of the internal trace files in bytes. Two trace files are used and when one is full, tracing automatically switches to the other. Internal tracing is only activated for diagnostic purposes.</p> <p>You can change this value but it should not normally be necessary. A large value requires more disk space. A small value degrades performance very slightly, because the log is backed up more often.</p>
<b>WORK AREA</b>	<p>The name of the directory that temporary work files are created and used in, and then deleted from. The default work area is &lt;product_directory&gt;/work on AIX workstations, and &lt;product_directory&gt;\work on OS/2 and Windows workstations.</p> <p>If the default path for the work area is changed, it is not removed automatically if the product is uninstalled.</p>
<b>WORKSTATION NAME</b>	<p>The name of the workstation that is running your TME 10 Software Distribution node. The name is set up during installation and cannot be changed.</p>

---

## Sample Client Base Configuration Files

The following are examples of client base configuration files.

Figure 72 on page 117 shows a base configuration file for an OS/2 client connected to its server through TCP/IP.

```

# BASE CONFIGURATION FILE
#
# This file should be stored as c:\SOFTDIST\nvdm.cfg
WORKSTATION NAME:      clientname
SERVER:                servername TCP server_hostname
PROTOCOL:              TCP client_hostname 729 50
REPOSITORY:           C:\IBMSDS2\REPOS
WORK AREA:             C:\IBMSDS2\WORK
BACKUP AREA:          C:\IBMSDS2\BACKUP
SERVICE AREA:        C:\IBMSDS2\SERVICE
CONFIGURATION:        CLIENT
MESSAGE LOG LEVEL:    D
LOG FILE SIZE:        64000
API TRACE FILE SIZE:  64000
TRACE FILE SIZE:      64000
MACHINE TYPE:         OS/2
MAX USER INTERFACES:  20
MAX ATTEMPTS:         5
TARGET MODE:          PUSH
TARGET ADDRESS:       target_address

```

Figure 72. Example of a Base Configuration file for an OS/2 client using TCP/IP

Figure 73 shows a base configuration file for an OS/2 client connected to its server through SNA.

```

WORKSTATION NAME:      power
SERVER:                sabellic SNA ITIBM0PC.LT0539A0.LU62
PROTOCOL:              SNA LT0541A0
REPOSITORY:           C:\IBMNVDMA\REPOS
WORK AREA:            D:\IBMNVDMA\WORK
BACKUP AREA:          D:\IBMNVDMA\BACKUP
SERVICE AREA:        D:\IBMNVDMA\SERVICE
CONFIGURATION:        CLIENT
MESSAGE LOG LEVEL:    D
LOG FILE SIZE:        3000000
API TRACE FILE SIZE:  3000000
TRACE FILE SIZE:      3000000
MACHINE TYPE:         OS/2
MAX USER INTERFACES:  20
MAX ATTEMPTS:         5
TARGET MODE:          PUSH
TARGET ADDRESS:       power

```

Figure 73. Example of a Base Configuration file for an OS/2 client using SNA

Note the use of the keyword `SERVER SNA NETWORKID.LUNAME.LUMODE` to specify the server with which the client is to communicate, the keyword `PROTOCOL` to specify SNA, and the `LOCAL LU ALIAS` name of the client workstation.

## Sample Client Base Configuration Files

To set up this configuration, it is also necessary to configure Personal Communications.

Figure 74 is an example of an AIX client base configuration file.

```
# BASE CONFIGURATION FILE
#
# This file should be stored as /usr/lpp/netviewdm/db/nvdm.cfg

WORKSTATION NAME:      nvdmcln
MESSAGE LOG LEVEL:    N
LAN AUTHORIZATION:    1
CONFIGURATION:        CLIENT
MACHINE TYPE:         AIX
LOG FILE SIZE:        50000
TRACE FILE SIZE:      100000
API TRACE FILE SIZE:  100000
TCP/IP PORT:          729
SERVER:                nvdmshr
SERVER:                nvdmshb
TARGET PASSWORD AUTHENTICATION: YES
```

Figure 74. Example of an AIX Client Base Configuration file

Figure 75 is an example of nvdm.cfg for a Windows 3.11 or Windows 95 client using TCP/IP.

```
WORKSTATION NAME:      client
SERVER:                server TCP server_hostname
PROTOCOL:              TCP client_name 729 50
REPOSITORY:            <product_dir>\repos
WORK AREA:             <product_dir>\work
BACKUP AREA:           <product_dir>\backup
SERVICE AREA:         <product_dir>\service
CONFIGURATION:         CLIENT
MESSAGE LOG LEVEL:    D
LOG FILE SIZE:        64000
API TRACE FILE SIZE:  64000
TRACE FILE SIZE:      64000
MACHINE TYPE:         WINDOWS
MAX USER INTERFACES:  20
MAX ATTEMPTS:          5
TARGET MODE:           PUSH
TARGET ADDRESS:        client
```

Figure 75. Example of a Windows 95 or Windows 3.11 Client Base Configuration file using TCP/IP

Where:

*client\_name*

Hostname for this client.

<i>server_hostname</i>	Hostname for the server
<i>client</i>	Name of this client. Normally it is the same as the <i>client_hostname</i> .
<i>server</i>	Name of the server that serves your TME 10 Software Distribution node. Normally it is the same as the <i>server_hostname</i> .
<i>&lt;product_dir&gt;</i>	Directory of the TME 10 Software Distribution product.

Figure 76 is an example of *nvdn.cfg* for a Windows 3.11 or Windows 95 client using NetBIOS.

```

WORKSTATION NAME:      client
SERVER:                server NBI NetBIOS_name
PROTOCOL:              NBI client_name
REPOSITORY:            <product_dir>\repos
WORK AREA:             <product_dir>\work
BACKUP AREA:           <product_dir>\backup
SERVICE AREA:         <product_dir>\service
CONFIGURATION:         CLIENT
MESSAGE LOG LEVEL:     D
LOG FILE SIZE:         64000
API TRACE FILE SIZE    64000
TRACE FILE SIZE:       64000
MACHINE TYPE:          WINDOWS
MAX USER INTERFACES   20
MAX ATTEMPTS:          5
TARGET MODE:           PUSH
TARGET ADDRESS:        client
    
```

*Figure 76. Example of a Windows 95 or Windows 3.11 Client Base Configuration file using NetBIOS*

Where:

<i>client_name</i>	Computer name for this client.
<i>server_name</i>	Computer name for the server.
<i>client</i>	Name of this client.
<i>server</i>	Name of the server that serves your TME 10 Software Distribution node.
<i>&lt;product_dir&gt;</i>	Directory of the TME 10 Software Distribution product.

Figure 77 on page 120 is an example of *nvdn.cfg* for a Windows 3.11 or Windows 95 client using IPX.

## Sample Client Base Configuration Files

```
WORKSTATION NAME:      client
SERVER:                server IPX IPX_address
PROTOCOL:              IPX client_name
REPOSITORY:            <product_dir>\repos
WORK AREA:              <product_dir>\work
BACKUP AREA:           <product_dir>\backup
SERVICE AREA:         <product_dir>\service
CONFIGURATION:         CLIENT
MESSAGE LOG LEVEL:     D
LOG FILE SIZE:         64000
API TRACE FILE SIZE:   64000
TRACE FILE SIZE:       64000
MACHINE TYPE:          WINDOWS
MAX USER INTERFACES:  20
MAX ATTEMPTS:          5
TARGET MODE:           PUSH
TARGET ADDRESS:        client
```

Figure 77. Example of a Windows 95 or Windows 3.11 Client Base Configuration file Using IPX

Where:

<i>client_name</i>	Address for this client.
<i>server_name</i>	Address of the server.
<i>client</i>	Name of this client.
<i>server</i>	Name of the server that serves your TME 10 Software Distribution node.
<i>&lt;product_dir&gt;</i>	Directory of the TME 10 Software Distribution product.

---

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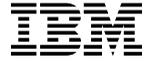
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