

IBM



Netfinity Director
Quick Beginnings



Netfinity Director Quick Beginnings

Solutions for a Small Planet™

First Edition (April 2000)

INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This publication could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time. This publication was developed for products and services offered in the United States of America and the United Kingdom. It is possible that this publication may contain references to, or information about, IBM products (machines and programs), programming, or services that are not announced in your country. Such references or information must not be construed to mean that IBM intends to announce such IBM products, programming, or services in your country.

Requests for technical information about IBM products should be made to your IBM reseller or IBM marketing representative. No part of this publication may be reproduced or distributed in any form or by any means without prior permission in writing from the International Business Machines Corporation.

©Copyright International Business Machines Corporation 1999, 2000. All rights reserved.
Note to U.S. Government Users—Documentation related to restricted rights—Use, duplication or disclosure is subject to restrictions set forth in GSA ADP Schedule Contract with IBM Corporation.

Trademarks

Alert on LAN, IBM, IntelliStation, Netfinity, Netfinity Manager, Netfinity Director, ThinkPad, and Wake on LAN are trademarks of IBM Corporation.

Microsoft, Windows, Windows NT, WIN32, and the Windows logo are trademarks or registered trademarks of Microsoft Corporation.

Java and all Java-based trademarks or logos are trademarks of Sun Microsystems, Inc.

Intel, Pentium, and LANDesk are trademarks of Intel Corporation in the United States and other countries.

Other company, product, and service names mentioned in this document may be trademarks or servicemarks of others.

Notices

References in this publication to IBM products, programs, or services do not imply that IBM intends to make these available in all countries in which IBM operates. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Subject to IBM's valid intellectual property or other legally protectable rights, any functionally equivalent product, program, or service may be used instead of the IBM product, program, or service. The evaluation and verification of operation in conjunction with other products, except those expressly designated by IBM, are the responsibility of the user.

IBM may have patents or pending patent applications covering subject matter in this document. The furnishing of this document does not give you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing
IBM Corporation
N. Castle Drive
Armonk, NY 10504-1785
U.S.A.

Licensees of this program who wish to have information about it for the purpose of enabling: (1) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact IBM Corporation, Department 80D, P.O. Box 12195, 3039 Cornwallis, Research Triangle Park, NC 27709 U.S.A. Such information may be available, subject to appropriate terms and

Contents

Chapter 1—Quick Beginnings for Netfinity Director . 7

Before You Begin	7
Supported Systems by Component	7
Hardware Requirements	8
Workgroup/Enterprise Integration	9
Installing Netfinity Director 2.12 Instructions	9
Installing the Server Files	10
Installing the Netfinity Director Console	19
Installing the UM Services Client for Netfinity Director	20
Installing Workgroup/Enterprise Integration	23
Upgrading Netfinity Director 2.11 to Version 2.12	23
Upgrading the Netfinity Director Server	23
Upgrading the Netfinity Director Console	24
Upgrading the Netfinity Director Client	25
Installing UM Services Client on Supported Operating Systems	28
Supported Operating Systems	28
Attended Installation of the Netfinity Director Client for OS/2	28
Unattended Installation of the Netfinity Director Client for OS/2	30
Installing the Netfinity Director Client for Netware	31
Installing Netfinity Director Client for SCO UnixWare	32
Uninstalling Netfinity Director	32
Index	35

1

Quick Beginnings for Netfinity Director

Quick Beginnings for Netfinity Director will step you through the installation process for installing Netfinity Director Management Server, Console and UM Services Client on supported operating systems.

Before You Begin

Before you install UM Services on your client or server, consider the following:

- Supported Systems by Component
- Hardware Requirements
- Workgroup/Enterprise Integration

Supported Systems by Component

Netfinity Director Management Server, which installs all Netfinity Director components, is supported on the following operating systems:

- Windows NT Server 4.0 (with Service Pack 4 or later)
- Windows 2000—Server or Advanced Server

The Netfinity Director Console component supports the same operating systems as Netfinity Director Management Server, including:

-
- Windows 2000 Professional
 - Windows NT Workstation 4 (with Service Pack 4 or later)
 - Windows 98
 - Windows 95 (with OEM Service Release 2 (OSR2) or later)

The UM Services Client component is supported on the following operating systems:

- Windows 2000—Server or Advanced Server
- Windows 2000 Professional
- Windows NT Server 4.0 (with Service Pack 4 or later)
- Windows NT Workstation 4 (with Service Pack 4 or later)
- Windows 98
- Windows 95 (with OEM Service Release 2 (OSR2) or later)

Note: The UM Services Client component is installed directly on supported Microsoft operating systems through the main installation program. UM Services Client is also supported on other operating systems. See “Installing UM Services Client on Supported Operating Systems” on page 28.

Hardware Requirements

Netfinity Director Management Server and Console require the following hardware, memory, and disk space:

- Pentium class processor, 200 MHz or faster
- 64 MB of random access memory (RAM)
- 150 MB of virtual storage
- 75 MB of free disk space
- A network adapter that supports the TCP/IP protocol. The adapter must support also NetBIOS, IPX, or SNA, depending on which transport is needed to communicate with the managed systems.

The UM Services Client for Netfinity Director in a Windows operating system requires the hardware, memory, and disk space:

-
- An IBM Netfinity server, IBM Desktops, IBM IntelliStation computer, or IBM ThinkPad mobile computer.
Note: Client systems must support SMBIOS version 2.0 or higher.
 - An Intel Pentium 200 MHz or faster processor.
 - 75 MB of hard disk space on the client systems.
 - A minimum of 32 MB random access memory (RAM).

Workgroup/Enterprise Integration

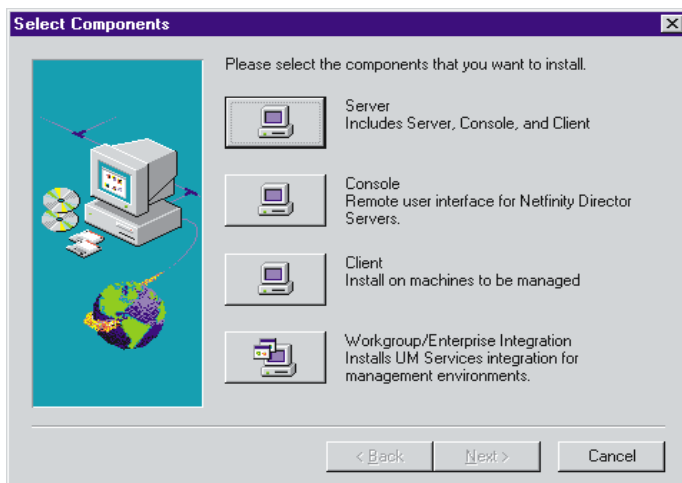
Netfinity Director installation allows you to install UM Services as an integrated systems-management solution for a supported systems-management console application. Detailed information about the appropriate environments for integration can be found in the *UM Services Installation and User's Guide*, included on the Netfinity Director with UM Services CD-ROM.

Installing Netfinity Director 2.12 Instructions

Take the following steps to install the Netfinity Director components (Server, Console, and Client for supported Microsoft Windows operating systems).

1. Place the *Netfinity Director with UM Services* CD-ROM in the CD-ROM drive of the machine to which you will be installing.
2. Click **Start**→**Run**.
3. In the **Open:** field, type `X:\win32\install\Ibmsetup.exe` where *X* is the location of the CD-ROM drive.
4. Click through the **Welcome** window and accept the License Agreement.

The **Select Components** window opens.



There are four different installation choices from the **Select Components** window:

Server Install the files for the Server, Console, and Client.

Console Install the remote user interface for Netfinity Director Servers.

Client Install the Client files on Microsoft operating systems only. For other managed operating system environments, see “Installing UM Services Client on Supported Operating Systems” on page 28.

Workgroup/Enterprise Integration

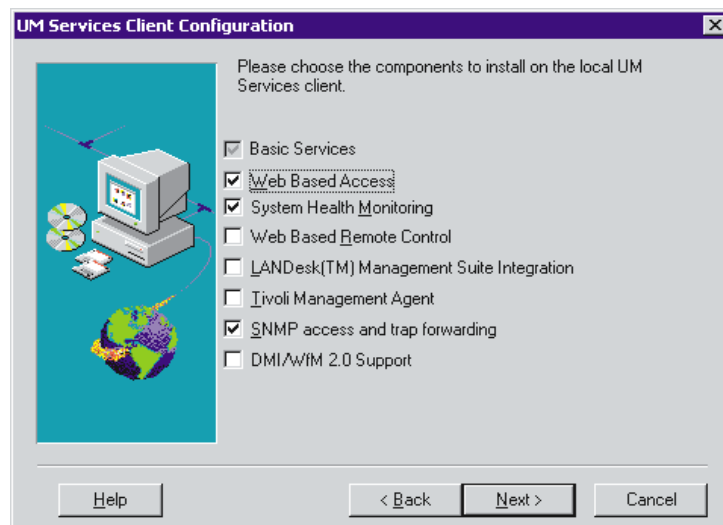
Install UM Services integration for management environments. See the *UM Services Installation and User’s Guide*, provided on the Netfinity Director with UM Services CD-ROM, for complete information.

Installing the Server Files

Selecting **Server** from the **Select Components** window installs the files for the Server, Client, and Console. Take the following steps:

1. Click the **Server** button from the **Select Components** window.

The **UM Services Client Configuration** window opens.



Check the checkbox beside any components that you want to install on the client system.

Note: The first component listed, Basic Services, is selected by default and cannot be deselected. Basic Services installs a Java Virtual Machine, a Common Information Model (CIM) repository, and basic instrumentation for gathering hardware inventory data. The inventory information provided by Basic Services can be viewed through a CIM browser such as Microsoft WBEMTEST. Basic Services must be installed on all Netfinity Director managed UM Services clients.

The following optional components are available. The components that are selected by default are indicated as such:

Web Based Access (Default)

Web Based Access offers a convenient Java-based tool for managing a client system and for viewing the CIM-based inventory data. If you install Web Based Access, a hypertext transport protocol (HTTP) daemon is installed and requires that a user name and password be entered during the installation. The user name and password are

used to limit access to the HTTP daemon. With Web-based Access that is installed on the client system, the client can be managed from any remote computer with a supported Web browser. No software other than a Web browser is needed on the remote system.

System Health Monitoring (Default)

System Health Monitoring provides active monitoring of critical system functions, such as disk space available, SMART Drive alerts, system temperature, fan functionality, power supply voltage, and system cover removal (dependent upon the hardware options of a selected managed system) . System Health Monitoring enables you to detect system problems early, before system failures occur. System administrators are notified of a system problem by a CIM event, SNMP trap (SNMP traps are available only if SNMP access and trap forwarding is also selected), or SMS Status Message (Microsoft SMS 2.0 only). Critical problems also result in a pop-up message by appearing on the display of the client system.

Web Based Remote Control

Web Based Remote Control enables a remote systems administrator using a Web browser or MMC console to take control of the client system desktop, enhancing the administrator's ability to diagnose system problems and troubleshoot the system.

Note: You must install the Web Based Access component to install the Web Based Remote Control component.

LANDesk Management Suite Integration

LANDesk Management Suite Integration installs the Intel Common Base Agent on the client system. This enables the systems administrator to use UM Services with LANDesk Management Suite.

Tivoli Management Agent

Tivoli Management Agent installs support on the client system that enables it to be managed by the Tivoli Enterprise systems-management platform.

SNMP access and trap forwarding

This feature enables CIM information to be accessed from a system that use the Simple Network Management Protocol (SNMP). If System Health Monitoring is enabled, this option also enables System Health to forward CIM events as SNMP traps. This component requires that you have the SNMP service (provided with the operating system) installed on the endpoint. If the SNMP service is not installed, the system prompts you to insert the operating system installation media and install SNMP during the UM Services installation.

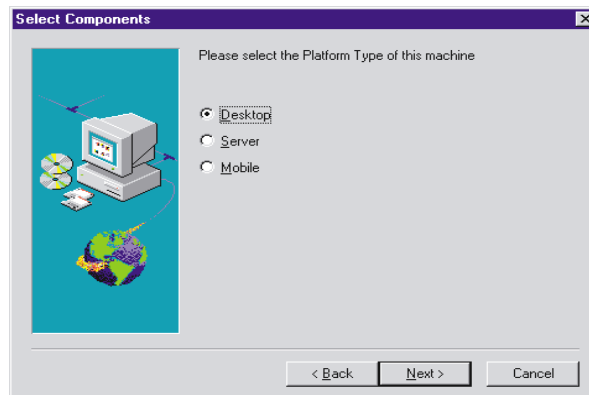
DMI Support

Selecting this component installs the Desktop Management Interface (DMI) 2.0 compliant Service Provider. When enabled, this feature maps a managed system CIM data and events to DMI.

2. After you select the components you want to install, click **Next** to continue.

The following steps are dependent on the selections that are made in the UM Services Client Configuration menu.

3. If you selected **DMI Support** from the UM Services Client Configuration menu, the **DMI Platform** window opens.



Select the type of platform you are installing the DMI support to. Click **Next** to continue.

4. The **User ID** window opens. Use this window to set the user ID and password for the client system and to specify the TCP/IP port that is used to access the client.

You must provide a unique user ID and password for the client system. To use the UM Services console to manage this system, you must first provide a valid user ID and password before being allowed access to the system. Type in the **User ID** field the user ID. Then type the password in the **Password** field, and type the password again in the **Confirm Password** field.

Note: The user ID and password are case sensitive.

Then, select a TCP/IP port that is used to access the UM Services console. The default port is 411. If this port is not available, you can select port number 6411, 6500, 6600, or 6611. Make sure that other TCP/IP applications do not use the selected port. Click **Next** to continue.

5. If you selected **SNMP access and trap forwarding** from the UM Services Client Configuration menu and do not have the SNMP network service installed, Netfinity Director installation will prompt you with an SNMP installation query.
 - Click **No** to continue with the Netfinity Director installation without installing the SNMP network service.

-
10. Click **Next** to accept the default directory (**C:\Program Files\IBM\Director\SwDistPk**), or click **Browse** to choose a different directory.

After creating the Software Distribution packages directory, another **Choose Destination Location** window opens. This directory will be the location for Software Distribution packages that are installed on this system.

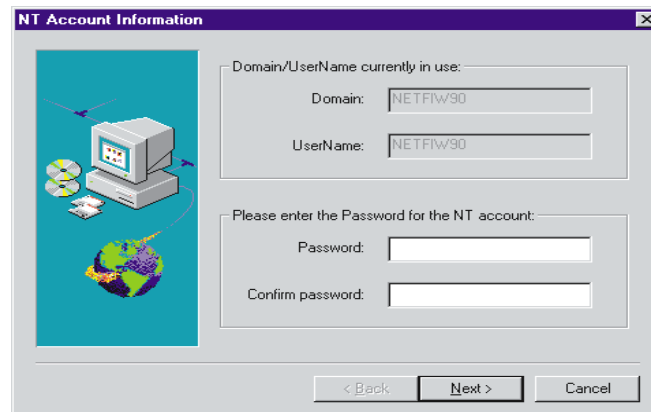
11. Click **Next** to accept the default directory (**C:\Program Files\IBM\Director\SwDistPk**), or click **Browse** to choose a different directory.
12. The system asks you if you want to install files for remote control. Select **Yes** or **No**.
13. The system asks you if you want to install files for TMR Gateway. Select **Yes** or **No**.

- Select **Yes** if there is Tivoli management agent software that is installed on the network. The agents discover Netfinity Director through the TMR Gateway, and Netfinity Director downloads the Netfinity Director component of UM Services to the Tivoli agents.

Note: The complete UM Services package is not installed using this process. If you choose this option, you must install UM Services separately.

- Select **No** to continue the installation process for Netfinity Director and UM Services.

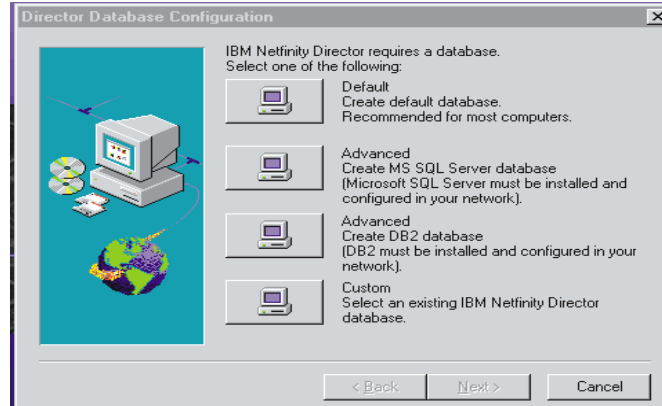
The system begins installing the necessary files. Then the **Account Information** window opens.



The Domain and User Name for the machine you are using are displayed.

14. Enter your account password in the **Password** field and enter it again in the **Confirm Password** field.
15. Click **Next** to continue.

The **Director Database Configuration** window opens.



16. Select the button next to the appropriate database for the installation.

Default Creates a default database. This option is recommended for most users.

Advanced (MS SQL)

Selection creates an MS SQL Server database. A Microsoft SQL Server database must be installed and configured for the network.

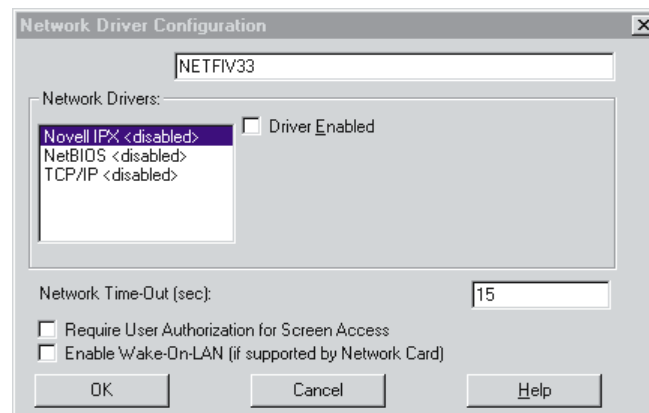
Advanced (DB2)

Selection creates a DB2 database. DB2 must be installed and configured in the network.

Custom Select an existing IBM Netfinity Director database.

Note: If you already have a database installed, the system allows you to use that database.

The **Network Driver Configuration** window opens.



This window defines the network transport options for a Netfinity Director Server. The options are:

- **System Name** - The name of the Netfinity Director Server.
- **Network Drivers** - The box lists all network transport protocols defined in the system protocol list. They appear as either enabled or disabled. To enable a network transport for use with Netfinity Director, click on the driver name and check the **Driver Enabled** box.
- **Network Address (for NetBIOS only)** - This is the NetBIOS network name.
- **Network Time-out (sec)** - 15 seconds is the default time-out.

-
- **Require User Authorization for window Access** - Check this box if you want users to be able to control remote access to their systems.
 - **Enable Wake On-LAN** - Check this box if the network card supports Wake On-LAN.
17. Enable the appropriate network drivers by selecting the driver from the **Network Drivers** list and check the **Driver Enabled** checkbox.
 18. You may change the Network Timeout if desired.
 19. Select the **Require User Authorization for window Access** checkbox if you want to give client users the authority to deny the system administrator remote control access to their machines. This option allows users to control who accesses their machines.
 20. Select the **Enable Wake On-LAN** checkbox if the server has Wake On-LAN capability.
 21. Select **OK** to continue.
When the installation is complete, the **Setup is Complete** window opens.
 22. Restart the computer now or Restart later. If you choose **Restart Now**, the system shuts down and restarts immediately. If you choose **Restart Later**, the installation program closes. However, you must restart and log in to the system to begin using Netfinity Director.

Installing the Netfinity Director Console

Select the **Console** button from the **Select Components** window to install the Console files only. Take the following steps:

1. Select **Console**.
The **Choose Destination Location** window opens.
2. Click **Next** to accept the default directory (**C:\Program Files\IBM\Director**), or click **Browse** to choose a different directory.
The necessary files are installed on the system.

The **Setup is Complete** window opens.

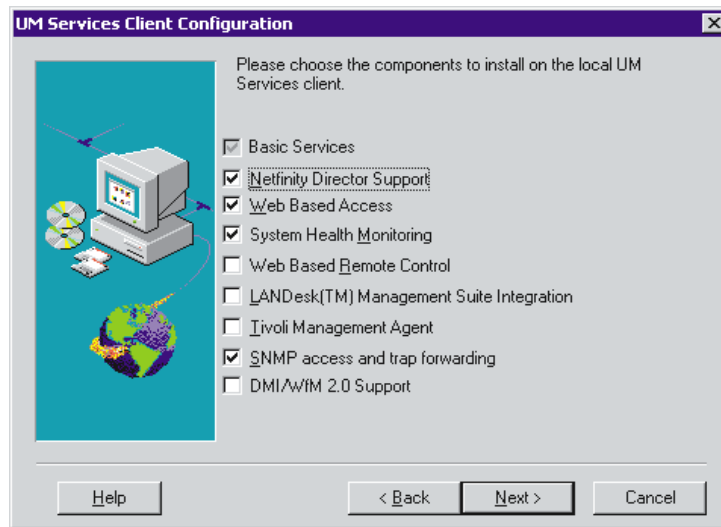
3. Restart the computer now or Restart later. If you choose **Restart Now**, the system shuts down and restarts immediately. If you choose **Restart Later**, the installation program closes. However, you must restart and log in to the system to begin using Netfinity Director.
4. Click **Finish**.

Installing the UM Services Client for Netfinity Director

Select the **Client** button from the **Select Components** window to install the Client files only. Take the following steps:

1. Select **Client**.

The **UM Services Client Configuration** window opens.



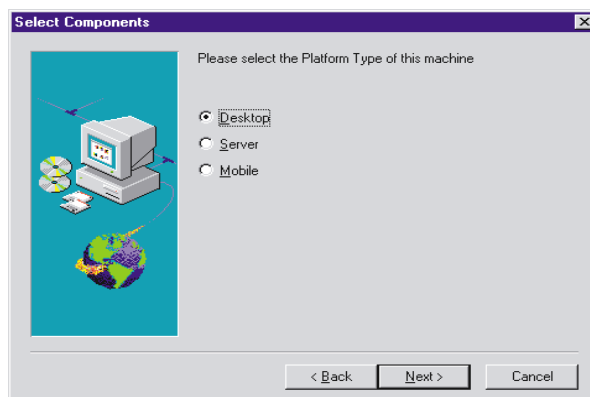
2. Check the checkbox beside any of the components you want to install on the client system. All of the components, except for Netfinity Director Support, are described under “Installing the Server Files” on page 10. For an explanation of these components see pages 11-13.

Netfinity Director support is an additional configuration option for the client installation only. IBM Netfinity Director is an advanced Intel processor-based workgroup hardware manager, with centralized client and group management console and server services. Selecting this feature enables the system to be managed in a Netfinity Director environment by installing a Netfinity Director Client on this system.

3. Click **Next** to continue.

The **Choose Destination Location** window opens.

4. Click **Next** to accept the default directory (**C:\Program Files\IBM\UMS**), or click **Browse** to choose a different directory.
5. If you selected **DMI Support** from the UM Services Client Configuration menu, the **DMI Platform** window opens.



Select the type of platform you are installing the DMI support to. Click **Next** to continue.

The **User ID** window opens.

6. Use this window to set the user ID and password for the client system and to specify the TCP/IP port that is used to access the client.

You must provide a unique user ID and password for the client system. To use the UM Services console to manage this system, you must first provide a valid user ID and password before being allowed access to the system. Type in the **User ID** field the user ID.

Then type the password in the **Password** field, and type the password again in the **Confirm Password** field.

Note: The user ID and password are case sensitive.

Then, select a TCP/IP port that is used to access the UM Services console. The default port is 411. If this port is not available, you can select port number 6411, 6500, 6600, or 6611. Make sure that other TCP/IP applications do not use the selected port.

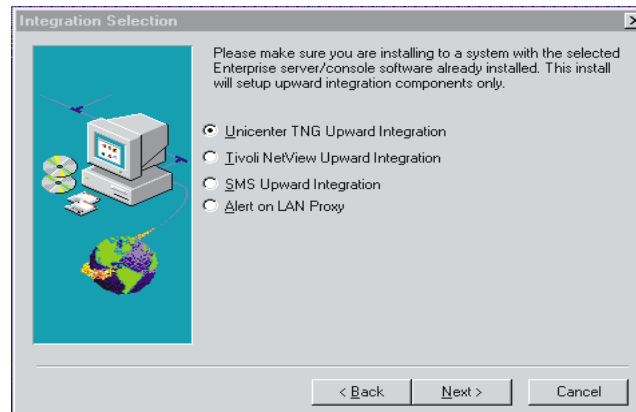
7. Click **Next** to continue.
8. If you selected **SNMP access and trap forwarding** from the UM Services Client Configuration menu and do not have the SNMP network service installed, Netfinity Director installation will prompt you with an SNMP installation query.
 - Click **No** to continue with the Netfinity Director installation without installing the SNMP network service.
 - Click **Yes** to install the SNMP network service on the server. The Installing SNMP window and your Network window opens. Follow the directions for installing SNMP. When the Windows operating system prompts for a restart, click **No**. In the Installing SNMP window, click **Next** to return to the Netfinity Director installation program.
9. The system asks you if you want to place an UM Services icon on the start menu. Select **Yes** or **No**.
10. The system asks you if you want to install files for remote control. Select **Yes** or **No**.
11. The system asks you if you require user authorization for remote control window access. Select **Yes** or **No**.

The system begins installing the necessary files. The **Setup is Complete** window opens.

12. Restart the computer now or later. If you choose **Restart Now**, the system shuts down and restarts immediately. If you choose **Restart Later**, the UM Services installation program closes. However, you must restart and log in to the system to begin using Netfinity Director.

Installing Workgroup/Enterprise Integration

Select the **Workgroup Enterprise Integration** button from the **Select Components** window to install the UM Services integration for management environments. The **Integration Selection** window opens.



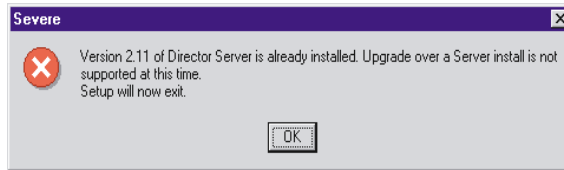
For information on the Workgroup/Enterprise Integration option, refer to Upward Integration Modules chapter of the *UM Services Installation and User's Guide*.

Upgrading Netfinity Director 2.11 to Version 2.12

The installation program checks for a previous version of Netfinity Director and, depending on the type of installation, upgrades the necessary Netfinity Director components.

Upgrading the Netfinity Director Server

You cannot upgrade Netfinity Director Management Server from this installation program. After the Welcome and End User License Agreement windows, installation detects the previous version of the Netfinity Director Management Server and this prompt appears.



Click **OK** to quit the installation program. You must uninstall Netfinity Director Management Server before installing this newer version.

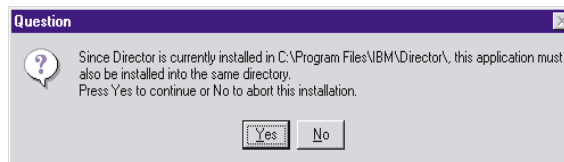
Note: If you have IBM UM Server Extensions or Update Connector Manager installed, you must first uninstall these tools before you remove the Netfinity Director Management Server. Refer to the *UM Server Extensions User's Guide* and the *Update Connector Manager User's Guide* for the removal of these products.

To remove Netfinity Director, version 2.11:

1. Click **Start**→**Settings**→**Control Panel**→**Add/Remove Programs**. Then select **Netfinity Director**.
2. The system displays a message that reminds you that Netfinity Director must be closed before you can continue.
3. The system displays a message that verifies that you want to delete the configuration data and database content.
The uninstallation program is automated and prompts you when the process is finished.
4. Restart the computer now or Restart later. If you choose **Restart Now**, the system shuts down and restarts immediately.

Upgrading the Netfinity Director Console

After the Welcome and End User License Agreement windows, installation detects the previous version of the Netfinity Director Console and this prompt appears.



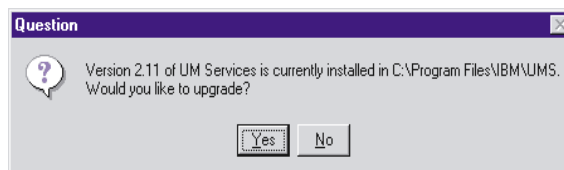
Click **Yes** to upgrade the console. The upgrade follows the previous installation path upgrading existing software, removing obsolete files and directories, and installing the new console components.

Restart the computer now or later. If you choose **Restart Now**, the system shuts down and restarts immediately. If you choose **Restart Later**, the UM Services installation program closes. However, you must restart and log in to the system to begin using Netfinity Director.

Upgrading the Netfinity Director Client

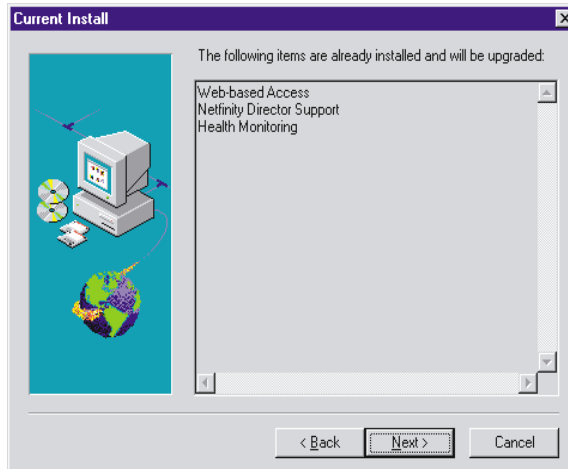
To upgrade the Netfinity Director Client for a selected system, do the following:

1. After the Welcome and End User License Agreement windows, installation detects the previous version of the Netfinity Director Client and the upgrade prompt appears.



Click **Yes** to begin.

2. Installation detects the client components from the previous version of the installed UM Services client. The Current Install window opens.



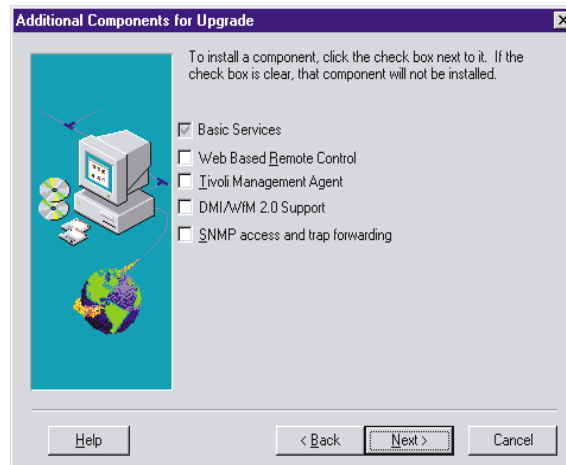
Note: Installation will not upgrade the following components that are installed from UM Services, version 2.11.

- LANDesk Management Suite Integration
- Tivoli Management Agent

UM Services Client, version 2.12, offers newer version of these components. To install the newer versions, you must first uninstall the previous UM Services client.

Installation upgrades the client components listed in this window. Click **Next** to continue.

3. The Additional Components for Upgrade window opens.



Select additional components to add to the upgraded components of the UM Services Client. Click **Next** to continue.

4. Depending on which additional components you add, the upgrade program will prompt you for additional responses. For more information about these prompts, see “Installing the UM Services Client for Netfinity Director” on page 20.
5. A prompt to add UM Services icons appears. If you have icons from the previous version, clicking **No** will not remove the icons. Clicking **Yes** will not add additional icons to those previously installed.
6. The program now upgrades the existing components and installs the selected new components. Restart the computer now or later. If you choose **Restart Now**, the system shuts down and restarts immediately. If you choose **Restart Later**, the UM Services upgrade program closes. However, you must restart and log in to the system to begin using Netfinity Director.

Installing UM Services Client on Supported Operating Systems

Netfinity Director, as a highly integrated workgroup hardware manager, allows you to manage a heterogeneous environment through the use of the Netfinity Director Client.

You can install the Client on a Microsoft Windows system as part of the Netfinity Director installation. For OS/2, Netware, and SCO UnixWare systems that are managed by Netfinity Director, use the *Netfinity Director with UM Services* CD-ROM directly to install the Client.

Supported Operating Systems

The following operating systems and versions are supported:

- OS/2 3.0 and 4.0 with Service Pack 5 and Warp Server for eBusiness
- NetWare 4.1 or NetWare 4.11 (with Service Pack 5 or higher), NetWare 5.0 (with Service Pack 1 or higher)
- SCO UnixWare 7.1 (with SCO UnixWare Patch ptf7441a) or SCO UnixWare 7.1.1
- Microsoft Windows 95, Windows 98, Windows NT 4.0 (Workstation or Server), and Windows 2000 Professional and Server

Attended Installation of the Netfinity Director Client for OS/2

To install the Netfinity Director Client software on an OS/2 3.0, 4.0, or Warp Server for eBusiness system:

1. Insert the *Netfinity Director with UM Services* CD-ROM into the CD-ROM drive of the system.
2. Change the directory to the **x:\os2** subdirectory, where *x*: is the drive letter of the CD-ROM drive.
3. Run **setup.cmd** to start the installation utility.

-
4. The default location of the Netfinity Director Client files is displayed in the **Directory to Install** from field. Unless you have moved the files to another location, simply accept the default. Otherwise enter the drive letter and file path location where the Client files are located.

A subdirectory, **\SwPkInst**, is automatically created in the selected directory, where software distribution packages will be placed on the system for installation.

5. The default target location for the Client files is **c:\TivoliWg**. If you want to install the files in another location, replace the default drive and file path with the alternative location.
6. Select the **remote control Client** option if you want to enable the desktop of the local system to be taken over from a remote location. Refer to the Tivoli IT Director section, “Remote Control,” for more information.
7. Select **Install**. The files are copied to the specified directory. You can cancel the installation at any point by selecting **Cancel**.
8. You should then see the **Network Driver Configuration** dialog. Enter a name for the system in the **System Name** field. The Netfinity Director administrator uses this name to identify this system on the network.
9. Click on one of the available network drivers the managed system uses to communicate with the Netfinity Director management server.

When you select **NetBIOS**, a default network address is assigned. You can change this address, but ensure that the name you specify is 1 to 12 characters in length and unique on the network, otherwise, the managed system cannot start properly. Note that this address is case sensitive.

10. Select **Driver Enabled** to activate the network driver when the system starts. If the system has multiple network drivers available, you can select another driver at this point and repeat the steps for this dialog.
11. The **Network Time-Out** value specifies the number of seconds the Netfinity Director management server attempts to establish

communication with this system if it is not responding. You may not need to change the default setting.

12. The **Require User Authorization for window Access** option enables you to specify whether a remote user can access, and take over control of, the local system without the local user's permission. If this option is enabled and a Netfinity Director administrator attempts to use remote control to access the local system, a message window is displayed on the local system indicating that a remote user is attempting remote control access. You can then allow or disallow access. Refer to the Tivoli IT Director section, "Remote Control" for more information on using this service.
13. When you have finished, click **OK** to save the settings.
14. The installation utility displays the changes that must be made to the **config.sys** and **startup.cmd** files. Select **Yes** if you want the installation utility to automatically include the configuration entries in these files. Select **No** to store the changes in **config.new** and **startup.new** instead.

Note: The changes must be included in **config.sys** and **startup.cmd** for the Netfinity Director managed system to run correctly. If you select **No**, you must add the entries manually.
15. Installation is now complete, click **OK** to save the settings.

Unattended Installation of the Netfinity Director Client for OS/2

Netfinity Director supports unattended installations, meaning that you do not have to be present to provide responses to the various prompts during the installation process. Instead, a response file is automatically read, and the installation proceeds normally.

The response files for the unattended installation for OS/2 are included in the OS/2 language subdirectory. For example, the sample English language response file, DirServ.rsp, is located in the **x:\win32\install\files\NfD\Agent\OS2\en** subdirectory, where **x:** is the drive letter of the CD-ROM drive.

Comments within the response files begin with a semicolon in the first column. All entries can be changed. The response file contains comments that detail the usage of each entry.

To launch an unattended installation of the OS/2 Client, do the following:

1. Copy and modify the sample response file (**DirAgent.rsp**).
2. Change the directory to the `x:\win32\install\files\NfD\Agent\OS2\` subdirectory, where *x*: is the drive letter of the CD-ROM drive.
3. Run **setup.cmd** to start the installation utility:
install.exe /R:filename (where *filename* is the fully-qualified response file)

Installing the Netfinity Director Client for Netware

Notes:

- Do not install the Netfinity Director Client on a NetWare system running Netfinity Manager. Netfinity Manager has to be commented out of **Autoexec.ref**.
- Netfinity Director Client is only supported in NetWare 4.10, 4.11 and 5.0.
- The client system for the Netfinity Director Client must be currently logged into the Novell NetWare Server.

To install the Netfinity Director Client software on a Novell NetWare system:

1. Insert the *Netfinity Director with UM Services* CD-ROM into the CD-ROM drive of the system.
2. Change the directory to the `x:\Netware` subdirectory, where *x*: is the drive letter of the CD-ROM drive.
3. Run **setup.bat**.
4. Select the appropriate drive that is mapped to the **sys volume** of the targeted Novell server.
5. The target location for the client files is the `\tivoliwg` directory.

-
6. It copies the necessary files, and adds the following lines to the Autoexec.ncf file:

```
*****Tivoliwg IT Director Agent*****  
Search add sys:tivoliwg  
load twgipc  
*****Tivoliwg IT Director Agent*****
```
 7. The final window is displayed, listing several manual tasks the user must perform before this application is used:
 - Type the following:
Search add sys:tivoliwg
 - Start the client by loading **twgipc**
 - Configure the Netfinity Director client by loading **twgipccf**
 8. Installation is now complete. The client automatically runs on the next Novell server boot.

Installing Netfinity Director Client for SCO UnixWare

Complete installation instructions are covered in the SCOAGENT.TXT file in the \docs directory of the *Netfinity Director with UM Services* CD-ROM.

Uninstalling Netfinity Director

Before you remove Netfinity Director, if you have the UM Server Extensions installed, you must first uninstall the extension tools. For information on the UM Server Extensions, refer to the *UM Server Extensions User's Guide*.

To remove Netfinity Director:

1. Click **Start**→**Settings**→**Control Panel**→**Add/Remove Programs**. Then select **Netfinity Director**.
2. The system displays a message that reminds you that Netfinity Director must be closed before you can continue.
3. The system displays a message that verifies that you want to delete the configuration data and database content.

The uninstallation program is automated and prompts you when the process is finished.

4. Restart the computer now or Restart later. If you choose **Restart Now**, the system shuts down and restarts immediately.

Index

8

A

- Account Information window 16
- agent software
 - installing on Netware 31
 - installing on OS/2 28
 - installing on supported clients 28

B

- basic services, Netfinity Director 11

C

- client files, installing 20
- clients, installing NFD Agents on 28
- console files, installing 19

D

- database, selecting a 17
- Director Database Configuration window 17
- DMI Mapper 13

H

- hardware requirements, Netfinity Director Console 8
- hardware requirements, Netfinity Director Management Server 8
- hardware requirements, UM Services Client

I

- installing agent software on Netware 31
- installing agent software on OS/2
 - attended installation 28
 - unattended installation 30
- installing Netfinity Director
 - Client 20
 - Console 19
 - Server 10
- installing Netfinity Director Agents on supported clients 28
- installing Workgroup/Enterprise Integration 23

L

- LANDesk Management Suite Integration 12
- license key, server 15

N

- Netfinity Director basic services 11
- Netfinity Director Console, supported systems 7
- Netfinity Director Installation
 - client files 20
 - console files 19
 - server files 10
- Netfinity Director Management Server, supported systems 7
- Network Driver Configuration window 18
- network drivers, configuring 18

P

password 14
password, setting 14, 21

S

server files
 basic services 11
 installing 10
server license key 15
SNMP access and trap forwarding 13
System Health Monitoring 12

T

Tivoli Management Agent 13

U

UM Services Client, supported systems 8
uninstalling Netfinity Director 24, 32
user ID, setting 14, 21

W

Web-based Access 11
Web-based Remote Control 12
Workgroup/Enterprise Integration 23



Part Number: CT7AJNA

