



Network Station Manager Version 2

Installation on Windows NT



Network Station Education
IBM Network Computer Division
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Notes



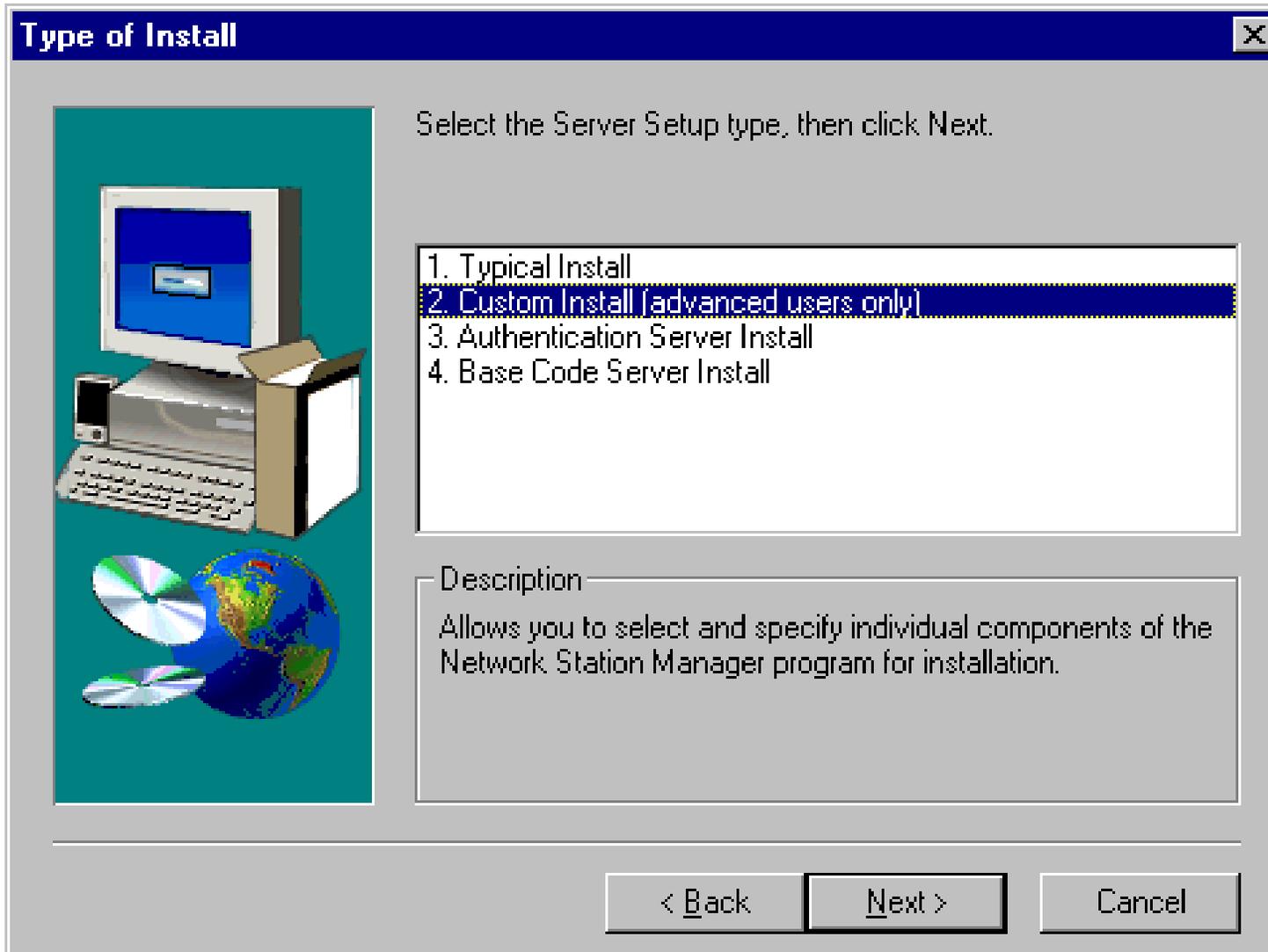
The topic of this presentation is installing Network Station Manager Version2 Release 1 (V2R1) on Microsoft Windows NT.

The objective is to present only a very brief overview of the install process in order to mainly highlight the differences with the previous version for those who are very familiar with the V1R3 install process.

We briefly touch the prerequisites, the selectable components during install, the uninstall and reinstall, the coexistence with the previous release and a few pieces of information on the time server.

Please reference the product publication for a detailed guide to installation which describes all the required steps.

Custom Install (1 of 2)



Custom Install



Select the components you want to install, clear the components you do not want to install.

Components

<input checked="" type="checkbox"/> Series 2200 and Series 2800	119212 K
<input checked="" type="checkbox"/> Series 300 and Series 1000	118290 K

Description

To see what is included in a component, highlight it and click Change.

Select the components you want to install, clear the components you do not want to install.

Components

<input checked="" type="checkbox"/> Common Server Files	18196 K
<input checked="" type="checkbox"/> Network Station Manager Program	11131 K
<input checked="" type="checkbox"/> Network Station Login Services	560 K

Description

Supports your Network Station Manager Program.

Space Required: 269510 K
Space Available: 656192 K

Select the components you want to install, clear the components you do not want to install.

Sub-components

<input checked="" type="checkbox"/> Network Station Operating System	68840 K
<input checked="" type="checkbox"/> ICA Client and Remote Application Manager	1702 K
<input checked="" type="checkbox"/> Terminal Emulation Software	5228 K
<input checked="" type="checkbox"/> Netscape Communicator 4.5	18759 K
<input type="checkbox"/> National Language Support	0 K

Description

Controls the operations of your Network Stations through power-on, initialization, diagnostics and self-test routines.

Space Required: 269510 K
Space Available: 656192 K

Notes



These are the panels presented to the user, in sequence, when selecting Custom Install.

The first allows to eliminate the support for either the Power PC based Network Stations or the X86 based Network Stations in the case where the server being installed is only required to support one of these two families.

The second panel lists the components that can be selectively chosen for inclusion or exclusion during a Custom install. This capability allows the administrator a much finer control over the components that are required and therefore the space needed to install the product. For example, if Emulation and ICA are never used, those components can be completely removed from the installed code.

The last panel deals with the Network Station manager program itself (which is not required on a base code server for example) and the Network Station Login service which is only required on an authentication server.

Migration and DHCP Questions



Click Yes if you are upgrading from a previous version of the IBM Network Station Manager program. Make sure that the directory of your old user preference files appears correctly in the Source Directory Box. Click No if you are not migrating.

No
 Yes

Browse...

No migration at this time. You can migrate later. For more information, refer to the "Installing IBM Network Station Manager for Windows NT" publication.

< Back Next > Cancel

You may choose to install the following additional component or components of the IBM Network Station Manager V2R1 program.

IBM Network Station Manager V2 icon on the desktop.
 IBM DHCP/DDNS; no DHCP server found on this machine.

< Back Next > Cancel

Post Install Processing Tasks



- **Creates a file \$PRODBASE/x86/etc/resolv.conf**
 - Adds domain name
 - Adds nameserver
 - Adds lookup file bind
- **Creates a file PRODBASE/x86/etc/hosts**
 - Add 127.0.0.1
 - Add IP address, hostname and domain name of server
- **Creates a file .../etc/localtime that contains the proper time zone information based on the server settings**
- **Updates the TZ environment variable in the .profile file**
 - Adds export TZ=US/Central (for example)
 - Adds rdate -su server (Windows NT server only)

Reinstall and Uninstall



- **A V2R1 Reinstall does NOT automatically uninstall a previous V2R1 install**
 - If there is a need to move to a different install drive, manually uninstall first, and then reinstall
- **An Uninstall GUI is available to:**
 - Uninstall V2R1 completely
 - Replaces V1R3 service entries if V1R3 still present
 - Reinstall an equivalent system
 - Install new components not previously installed
 - Uninstall V1R3 with no reboot required

Notes



A V2R1 Reinstall does NOT automatically uninstall a previous V2R1 install. For example, if there is a need to move to a different install drive, manually uninstall first, and then reinstall.

An Uninstall GUI is available to uninstall V2R1 completely. It also replaces V1R3 service entries if V1R3 is still present on the system.

An uninstall is also available to reinstall an equivalent system, install new components not previously installed or uninstall V1R3 with no reboot required

Coexistence with V1R3



- **V2R1 can be installed with or without the presence of V1R3, so presence of V1R3 not verified before installing**
- **Coexistence allowed by**
 - Altering the base path (adding V2 to the base path)
 - Modifying NSM and NSLD to handle coexistence
 - ▶ V2R1 NSLD handles both V1R3 and V2R1 login requests
 - ▶ V1R3 NSLD daemon is stopped and the V2R1 version started
 - ▶ At uninstall of V2R1 where V1R3 is present, the old V1R3 NSLD is re-instated

Notes



In this release, it is possible to have V2R1 coexist on the same server with the previous V1R3 release.

This is possible because the two releases use a different root base directory, and it is provided to allow an easier migration path to the new release.

V2R1 can be installed with or without the presence of V1R3, therefore the presence of V1R3 not verified before installing.

Coexistence allowed by:

- Altering the base path and adding V2 to the base path
- Modifying NSM and NSLD to handle coexistence
 - V2R1 NSLD handles both V1R3 and V2R1 login requests
 - V1R3 NSLD daemon is stopped and the V2R1 version started
 - At uninstall of V2R1 where V1R3 is present, the old V1R3 NSLD is reinstated

Time Zone Setting



- **The install program, based on the server's time zone settings, does the following:**
 - For all platforms, it adds TZ=US/Central (for example) to the .profile file
 - For Windows NT, it also adds the command "rdate -su server", where server is the boot server's IP address
 - Creates the ../etc/localtime file to contain ../usr/share/zoneinfo/US/Central
- **During the boot sequence, the time is obtained from the boot server**
 - For AS/400 and AIX, it is obtained from the file system on the boot server
 - For NT, it is obtained from the time server on the boot server (time server must be configured to give out GMT (which is the default) and not local time)
- **The Network Station clock is set to Universal Coordinated Time (UCT) which is the number of seconds since Jan 1, 1970**
- **The system time on the launchbar is displayed based on the TZ set in the .profile file**
- **The system time displayed from a Java application is based on the TZ set in NSM, if present, otherwise on the TZ set in .profile**

Where to go for additional information?



- **Main Web Site**

- www.ibm.com/nc

- **Current Network Station Redbook**

- **SG24-5844 Network Station Manager V2R1 Guide**

- **Previous Network Station Redbooks**

- **SG24-5187 AS/400 - Techniques for Deployment in a WAN**

- **SG24-5221 Windows NT - NSM Release 3**

- **SG24-5212 Printing**

- **SG24-2127 Windows NT/WinCenter**

- **SG24-4954 S/390, SG24-2016 RS/6000, SG24-2153 AS/400**

- **Product Publications**

- **SC41-0684 Installing NSM for AS/400**

- **SC41-0685 Installing NSM for RS/6000**

- **SC41-0688 Installing NSM for Windows NT**

- **SC41-0690 Using NSM**

- **IBM Network Station Advanced Information (On the Web Site)**

Notes



In particular, please reference the product publication SC41-0688 for a detailed description of all the installation steps for a Windows NT server.