



# IBM Network Station Manager: One tool, total management

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## Highlights

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**A powerful tool for centralized desktop administration**

**Simplifies desktop management while reducing total cost of ownership**

**Eliminates the need to send people to the desktop to manage systems and support users**

**One person can do it all from one location, using just one tool**



Network Station Manager is an easy-to-use, server-based application that enables a single systems administrator to set up and configure all Network Station computers in your enterprise. It lets you centrally create and manage user-specific desktop environments and access privileges to accommodate different users' needs. The Network Station family of products offers comprehensive national language support for major countries. This includes support for international keyboard layouts and screen displays in a user's native language. In addition, Network Station Manager provides centralized control for all Network Station applications and access to server resources such as disk files and printers. The desktop administrator can access the Network Station Manager from any location on the network.

### **Different strokes for different folks**

Every user is different. Some need to perform data entry using a business application on an AS/400. Others need access to an NT server to take advantage of Lotus Notes groupware, e-mail and the corporate intranet. Still others want to use Internet and Java applications stored on an RS/6000. Network Station Manager enables each of these users to have a customized environment that gives them desktop access to everything they need.

That includes access to multiple servers, frequently used applications, as well as preferences for terminal emulation (3270, 5250, X-Windows), keyboard mapping, cursor speed, display properties and more. And once the desktop environment has been established, Network Station Manager ensures that a user logging on from any Network Station on the network is automatically presented with his or her personalized desktop and applications, in the appropriate international language.

**Administrators love it, too**

Simplifying system administration is a key goal for many IT departments today, and IBM Network Station Manager helps you achieve it. With its simple, point-and-click interface, Network Station Manager moves desktop and application configuration activities away from the desktop and onto the server, under an administrator's care. That makes users and administrators more productive, while preserving the user's ability to modify certain desktop preferences.

Network Station Manager shows you just how easy managing desktop clients can be. Each time a Network Station user logs on to a server, Network Station Manager checks the user's ID and password, retrieves the user's desktop configuration, makes whatever server connections are required and downloads the appropriate software environments. This includes 5250, 3270 or X-Windows server emulation, the Web browser, the Java Virtual Machine and Java applications, such as e-mail. Once that's done, the user is ready to get to work ... on one or more servers, in a Windows application, on your intranet or anywhere else.

Network Station Manager provides the administrator, and in some instances the user, with the ability to define a wide range of settings to:

**Configure terminals**

- Systemwide terminal settings – to define system defaults, available servers, emulators, network settings and other enterprisewide constraints
- User/station-specific settings – to customize specific settings (such as hardware, display or other individual

preferences) for a specific Network Station or user

**Configure applications**

- 5250 emulator – to access IBM AS/400 programs
- 3270 emulator – to access IBM S/390 programs
- X-Windows – to access graphical UNIX applications
- VTXXX emulator – to access applications on Digital Equipment Corp. servers
- Web browser(s) – to access the Internet and corporate intranets
- Desktop (Window Manager) – to customize the user's screen interface
- Applet viewer – to run Java applets and applications
- Windows applications accessed via X or ICA

**National language support**

- Supports keyboards and screen displays in user's native language
- Facilitates worldwide use

**Configure environments**

- Programs – to automatically load frequently used applications
- Menu items – to provide point-and-click access to other applications via a menu

- Environment variables – to configure the desktop environment for running applications on the Network Station

**Built to a higher standard**

The IBM Network Station Manager is built on nonproprietary, open standards to ensure cross-platform functionality and broad, ongoing industry support. The entire application is designed using HTML, JavaScript and CGI functions, and it can be accessed from any server with a TCP/IP connection and a suitable browser. In addition, the administrator can update user profiles or applications from any location on the network. All it takes is a password.

**What you get**

The IBM Network Station Manager includes the following components:

- *5250 Terminal Emulation* — application for attaching to AS/400 servers. Advanced features include multiple server support, per-session font selection, online help, cut/copy/paste, custom window titles, keyboard remapping, color mapping, record/playback (including

<b>Feature</b>	<b>Benefit</b>
Server-based, centralized administration	<p><i>For Administrators:</i></p> <ul style="list-style-type: none"> <li>• Simplifies and speeds application deployment</li> <li>• Enables efficient use of network resources</li> <li>• Enhances security, data backup and recovery</li> <li>• Allows systemwide, group-based or per-station configuration</li> </ul> <p><i>For Users:</i></p> <ul style="list-style-type: none"> <li>• Permits login from any Network Station in the enterprise, allowing users to "roam"</li> <li>• Recalls user-specific desktop environment</li> <li>• Enables customization of desktop characteristics</li> </ul>
Centralized change management	<ul style="list-style-type: none"> <li>• Reduces time and cost required to manage numerous desktops and user-specific preferences</li> </ul>
Browser interface	<ul style="list-style-type: none"> <li>• Enables access from any Network Station on the network</li> <li>• Provides an easy-to-use graphical interface (with built-in online help) that can reduce training and support costs</li> <li>• Offers access to the Internet or corporate intranet, along with Java applet/application support</li> </ul>
Multiple default levels	<ul style="list-style-type: none"> <li>• IBM-supplied defaults help you get started quickly using common settings which can later be overridden</li> <li>• System defaults permit mass changes affecting all users</li> <li>• User and workstation defaults enable highly granular desktop customization</li> </ul>

# Network Station browser

The NC Navigator browser provides access to the capabilities of the Network Station Manager. In addition, it opens the door to e-commerce, Java and the wealth of applications and information residing on the Internet or your corporate intranet.

The NC Navigator browser enables you to dramatically enhance the delivery of applications to employees who previously used fixed-function, "green screen" terminals. In addition, it offers a

low-cost, easily managed GUI environment that can effectively replace many older PC technology systems.

The IBM Network Station Manager makes it easy to set up and customize your browser environment, and simplifies the details of managing an Internet or intranet presence. It lets the administrator specify the protocols, file locations, proxies, home page locations and other specifics for your users.

The NC Navigator provides a host of powerful and useful features, including:

- Access to Web-enabled HTML applications or Java applets
- Easy-to-use GUI
- Internet e-mail
- Secure electronic transactions across all IBM server families with 40-bit or 128-bit<sup>1</sup> encryption when connected via HTTPS protocol
- Year 2000-ready operation
- Additional features, as shown on the accompanying table.



*The NC Navigator browser enables you to dramatically enhance the delivery of applications to employees who previously used fixed-function, "green screen" terminals.*

## NC Navigator Browser

JavaScript	1.1
HTML	3.2, plus additional features supported by Netscape Navigator 3.01
CGI	1.1 server applications
Graphics formats	GIF, Animated GIF, JPEG, XBM, others
Local printers	PostScript level 1
Secure server access	SSL 2 and SSL 3 encryption; basic and digest authentication
Proxy servers	HTTP, HTTPS, FTP, gopher, WAIS
GUI features	Fully compatible with Netscape Navigator 3.01. <ul style="list-style-type: none"><li>• Hot Lists</li><li>• History Lists</li><li>• Bookmarks</li><li>• Address Book</li><li>• Directory Buttons</li><li>• Cut and Paste</li><li>• HTML Source Viewing</li><li>• Open Local File</li><li>• Open New Browser Window</li><li>• Progress Indicator</li><li>• HTML-based Help and more</li><li>• e-mail</li></ul>

<sup>1</sup>128-bit encryption available in U.S. and Canada only.

## IBM Network Station Manager at a glance

<b>Description</b>	IBM Network Station Manager is a server-based browser application that provides centralized configuration and administration of IBM Network Station computers on a network.
<b>Versions</b>	IBM Network Station Manager for Windows NT Server 4.0 IBM Network Station Manager for RS/6000 IBM Network Station Manager for AS/400 IBM Network Station Manager for S/390
<b>Browser support</b>	Microsoft Explorer 3.01 or later on Windows 95, NT or AIX Netscape Navigator 3.01 or later on Windows 95, NT or AIX NC Navigator
<b>Services supported</b>	Server access User desktop configuration and profile AS/400 broadcast boot Terminal emulation (3270, 5250, VT XXX, X-Windows) and ICA and X client communication protocols Printing from Network Station to any designated compatible printer connected to the network Application access Java Virtual Machine
<b>Media availability</b>	Internet download CD-ROM

autostart playback) and all functions supported at the server. In addition, support for a twinax-enabled Network Station Series 300 is included.

- *3270 Terminal Emulation* — for attaching to S/390 servers. Advanced features include graphics support, ENTER key location, keyboard remapping, multiple screen sizes, pop-up keypad, auto action, custom window titles, online help, and all functions supported at the server.
- *VTXXX Terminal Emulation* — to access applications located on Digital Equipment Corp. servers.
- *ICA Support* — customers who require the use of multiuser Windows applications on their Network Stations will be able to connect to Microsoft Windows Terminal Server (formerly known as Hydra). For ICA-based Network Station clients, Citrix MetaFrame will be required. For X-based Network Station clients, Citrix MetaFrame and NCD WinCenter 4.0 will be required.
- *X-Windows Server* — X.11 support for attaching to RS/6000 servers running AIX. Also provides a full-featured, easy-to-use graphical user interface, and more.

- *Java Virtual Machine* — provides an environment for running programs written and compiled in the Java programming language.
- *Server-based Management* — for managing all Network Station settings, either systemwide or for individual users.
- *Desktop Environment* — the Network Station graphical user interface.

### What you need

The IBM Network Station Manager requires:

- TCP/IP and a Web server installed, configured and running on a supported server platform
- Web browser

IBM recommends the NC Navigator for the IBM Network Station. In addition to robust browser function, it provides advanced encryption to ensure safe Internet transactions, Year 2000-ready date-handling capabilities and online help.

## For more information

To learn more about the IBM Network Station Manager or the NC Navigator browser, call 1 800 IBM-7080, priority code 6N7BK05, within North America. Outside North America, call 416 383-5152, priority code 6N7BK05. Or, if you have access to the Internet you can find the latest Network Station information via the World Wide Web at [www.ibm.com/nc](http://www.ibm.com/nc).



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6-98  
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G221-6953-01