

Software that brings network computing to life



IBM Network Station™ Manager

Highlights

A graphical desktop environment for IBM Network Station thin clients, including a robust Web browser, ICA/Windows protocol support, terminal emulation software and Java Virtual Machine

Powerful, yet easy-to-use server-side tools and utilities for centralized thin-client configuration, administration and management

Supports local booting of multiple Network Stations

One great advantage of thin-client computing is that it offers a simple, economical way to deploy and access applications throughout your business. At the same time, it enables you to manage, support and administer numerous desktops from a single point, without having to visit individual users. And it uses universally supported Internet protocols and technologies, so you can support just one standard instead of many.

But to make thin-client computing happen, it takes powerful client-side and server-side software to bring your thin clients to life. And that's exactly what IBM Network Station Manager software provides.

Two versions to meet your needs

IBM Network Station Manager is a complete software package that delivers both the rich, graphical IBM Network Station™ thin-client environment, and the server-based management and administration tools needed to get maximum benefit from network computing. Two versions of Network Station Manager are available, each focused on a specific thin-client environment.





The Network Station Manager V2R1 client desktop and browser

For customers that want to run both versions of Network Station Manager, IBM allows NSM V1R3 and NSM V2R1 to coexist on the same server, each controlling the unique set of Network Stations defined to it.

Productivity-enhancing client software

Both versions of Network Station Manager deliver similar capabilities. On the client side, each version provides an easy-to-use, graphical user interface, a full-featured Web browser, a selection of terminal emulators and a Java Virtual Machine. This gives users access to all your Windows®, Java and browser applications, along with 5250, 3270, X-server, VTxxx and ASCII terminal sessions.

Within the desktop environment, users can set preferences for keyboard mapping, cursor speed, display properties and more. These preferences travel with the user when logging on from any Network Station on the network.

But what's most impressive is that with the IBM Network Station and Network Station Manager, users can access multiple applications on multiple servers, and run browser applications and Java applets locally ... all at once in an easily managed environment.

Network Station Manager Version 1 Release 3 (NSM V1R3) is designed for operating the Network Station Series 300 and 1000 thin clients. It contains IBM's original, award-winning Network Station Manager software, including systemwide and user-level settings, extensive National Language Support and Euro currency support. NSM V1R3 is ideal for mixed server environments, with server versions of the software available for Windows NT®, OS/2®, OS/400®, OS/390®, AIX® and Santa Cruz Operation (SCO) OpenServer® and UnixWare®.

Version 2 Release 1 (NSM V2R1) is a completely new version of the operating software designed to support both the latest Network Station Series 2200 and 2800, as well as the Series 300' and 1000. NSM V2R1 provides a wealth of Web-oriented browser and Java™ enhance-

ments, including browser support for audio and video, PDF file viewing and two-way e-mail. In addition, NSM V2R1 provides the ability to run multiple Java applications concurrently — in the browser and the client — and a more customizable, graphical desktop environment, with support for 64,000 colors and scalable fonts. Its enhanced ICA client offers improved Windows application performance, audio and security features. Server versions of NSM V2R1 are available for Windows NT, OS/400 and AIX.

Easy migration and coexistence

Customers that want to migrate from V1R3 to V2R1 can take advantage of IBM's V1R3 upgrade licensing program and a Migration Tool that provides automated help for migrating configuration information from NSM V1R3 to NSM V2R1.

IBM Network Station Manager at a glance

| | | |
|--------------------------------|---|---|
| Version | Version 1 Release 3 | Version 2 Release 1 |
| Network Station Support | Series 300, 1000 | Series 300, 1000, 2200, 2800 |
| Services supported | Server access; user desktop configuration and profile; terminal emulation; printing; application access; Java Virtual Machine | Server access; user desktop configuration and profile; terminal emulation; printing; application access; Java Virtual Machine |
| Emulators | 3270, 5250, X-server, VTxxx, ASCII | 3270, 5250, X-server, VTxxx, ASCII |
| Server requirements | <p>Web browser with JavaScript 3.0 supported and enabled</p> <p>TCP/IP and a Web server installed, configured and running on a supported server platform:</p> <ul style="list-style-type: none">• Windows NT Server 4.0, Terminal Server Edition• OS/2, Warp Server running Work Space On-Demand 2.0• OS/400 V3R7, V4R1, V4R2 or V4R3 and OS/400 TCP/IP Connectivity Utilities (Also, for V4R3 and later, IBM HTTP Server for AS/400)• VM/ESA V2R3.0• AIX Version 4.2.1 for Servers or later• OS/390 V2R5; OS/390 V2R4 and TCP/IP Network Station Manager for OS/390• SCO OpenServer and SCO UnixWare | <p>Web browser with JavaScript 3.0 supported and enabled</p> <p>TCP/IP and a Web server installed, configured and running on a supported server platform:</p> <ul style="list-style-type: none">• Windows NT Server 4.0, Terminal Server Edition• OS/400 V4R2, V4R3 or V4R4• AIX 4.2.1 or 4.3 |
| Java Virtual Machine | 1.1.6 | 1.1.8 |
| Web browser | NC Navigator for the IBM Network Station | Netscape Communicator 4.5 (with support for JVM 1.1.5, DHTML, JavaScript, streaming audio and video, PDF viewer) |
| Windows applications | <p><i>Windows 95/98 support via:</i></p> <p>ICA, using Citrix MetaFrame or Citrix Device Services and Windows NT Server 4.0, Terminal Server Edition</p> <p>X.11, using Citrix WinFrame and Windows NT Server 3.51</p> | <p><i>Windows 95/98 support via:</i></p> <p>ICA, using Citrix MetaFrame or Citrix Device Services and Windows NT Server 4.0, Terminal Server Edition</p> <p>X.11, using Citrix WinFrame and Windows NT Server 3.51</p> |
| Language support | 38 national languages | 20 national languages |
| Media availability | Internet download, CD-ROM | CD-ROM |

Powerful server-side management software

The server side of the Network Station Manager software provides a complete set of thin-client configuration, management and administration tools. These are designed to enable centralized, “no-touch” desktop management and reduced total cost of ownership (TCO).

Using Network Station Manager, a single system administrator can configure all terminal, application and desktop-environment settings — as well as manage access to resources such as disk files and printers — at the server. The administrator can make configuration changes for individual Network Station users, as well as for all users systemwide.

To make things even easier, the administrator can establish or update user profiles, applications and other settings from any browser-based workstation on the network. All it takes is a password.

Network Station Manager includes server-side software to:

Configure clients

- *User/station-specific settings* — to customize settings (such as hardware, display or other preferences) for a specific Network Station or user
- *Systemwide client settings* — to define system defaults, available servers, emulators, network settings and other enterprisewide constraints

Configure the client interface

- *Desktop (Window Manager)* — to customize the user's screen interface
- *Web browser(s)* — to access the Internet and corporate intranets
- *Windows applications* — to access via Citrix ICA or X.11 protocol
- *5250 emulator* — to access IBM AS/400® applications
- *3270 emulator* — to access IBM S/390® applications

- *X-server emulator* — to access graphical UNIX® applications
- *VTxxx emulator* — to access Digital Equipment Corp. applications
- *Applet viewer* — to run Java applets and applications outside the browser

Configure the startup environment

- *Programs* — to automatically load frequently used applications
- *Menu items* — to place applications on a menu for point-and-click access
- *Environment variables* — to configure the desktop environment for running applications on the Network Station

Find out more

To find out more about thin-client computing with the IBM Network Station and the IBM family of servers, call 1 800 IBM-7080 within North America. Outside North America, call 416 383-5152. Or get the latest Network Station information at www.ibm.com/nc



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Produced in the United States of America
9-99
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¹Series 300 requires 32MB memory option

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G221-6953-02