Nways Manager for Windows, Version 2

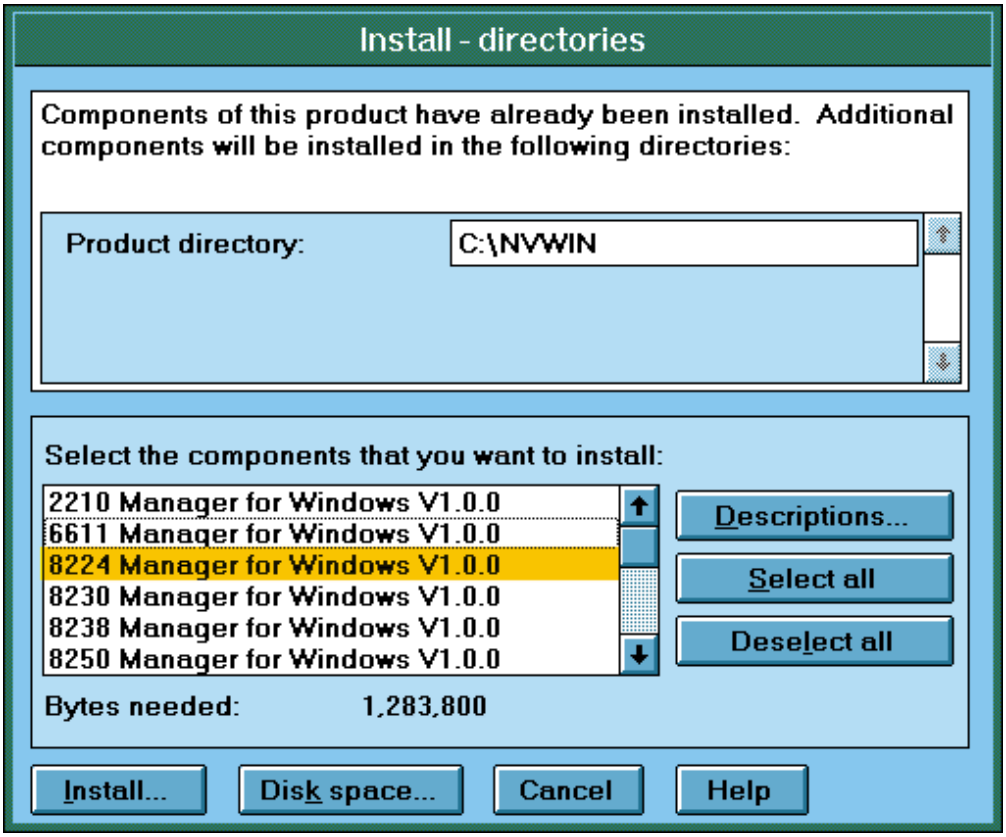
Nways to build your network. One way to manage it—proactively!

9-96

Highlights

- **Reduces network operation and administration costs**
- **Allows comprehensive device management through an easy-to-use graphical user interface**
- **Enables proactive network management of Ethernet and token-ring LANs, switched networks, and ATM**
- **Features point-and-click problem determination**
- **Provides virtual LAN configuration management**
- **Offers seamless integration, with IBM Remote Monitoring (RMON) product, for LAN performance monitoring**
- **Comes ready-to-use**

Figure 1. Nways Manager for Windows overview



Managing your network switches, routers, hubs, and bridges doesn't have to be difficult

The network management solution

IBM Nways Manager for Windows, Version 2, provides a low-cost, easy-to-use network management solution that allows you to proactively manage your campus network. It is the newest release of the popular Nways Manager for Windows product and includes NetManage Newt, Version 4.6, a TCP/IP stack, and IBM NetView for Windows, Version 2.1.

If your network contains from 1 to 250 managed entities, IBM Nways Manager for Windows is for you.

Lower network operation and administration costs

Nways Manager for Windows addresses your top three budget concerns: budget limits, inadequate training, and personnel shortages.

For surprisingly little money, Nways Manager for Windows reduces training requirements and alleviates personnel shortages by increasing operator productivity.

Comprehensive device management

You can use Nways Manager for Windows to manage your campus hardware from an easy-to-use, object-oriented graphical user interface (GUI).

IBM networked devices are supported with high-quality, dynamically-updated pictorial representations. These device management applications provide up-to-date information and look just like the managed devices.

Nways Manager for Windows manages the following devices:

Routers

- Nways 2210 Multiprotocol Router
- 6611 Network Processor Router

Stackable hubs and concentrators

- 8224 Ethernet Stackable Hub
- 8238 Stackable Token-Ring Hub
- 8230 Token-Ring Controlled Access Unit (Models 003, 013, 213, 04A, 04P, and attached LIUs, LAMs, and remote LAMs)

Intelligent hubs

- 8250 Multiprotocol Intelligent Hub and modules
- 8260 Multiprotocol Intelligent Switching Hub and modules

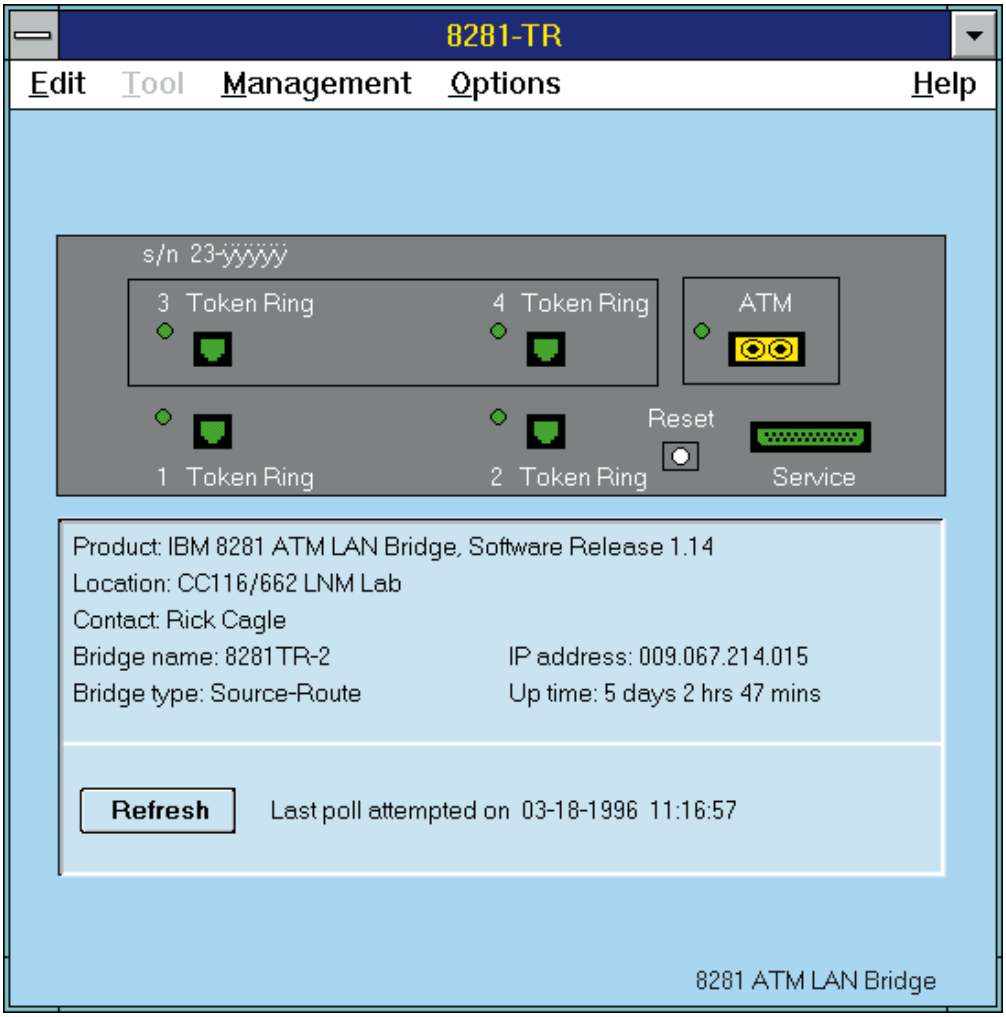
Local area network (LAN) switches

- 8271 Nways Ethernet LAN Switch, Models 001, 108, 216, and universal feature cards
- 8272 Nways Token-Ring LAN Switch, Models 108, 216, and universal feature cards

Asynchronous transfer mode (ATM) devices

- 8281 ATM LAN Bridge
- Turboways 8282 ATM Workgroup Concentrator
- 8285 ATM Workgroup Switch

Figure 2. Device management display



New management enhancements

Nways Manager for Windows, Version 2, includes many new device management enhancements, such as:

New graphical device management applications

- 8210 Multiprotocol Switched Services Server

- 8225 Fast Ethernet Stackable Hub
- 8235 Dial-In Access to LANs Server (DIALS), including Models 001, 002, 011, 012, 021, 022, 031, 032, 051, and 052
- 8271 Ethernet LAN Switch, Model 216
- 8272 Token-Ring LAN Switch, Model 216

New modules supported in Version 2

- 8230
  - Model 4 option ring-in/ring-out
- 8250
  - 18-port, active media, token-ring
- 8260
  - 8250, 18-port, active media, token ring
  - Ethernet flexible concentration module
  - ATM control point switch module
  - 4-port, 100-Mbps ATM concentration module
  - 12-port, 25-Mbps ATM concentration module
  - 2-port, 155-Mbps ATM concentration module (ATM Flex)

New ATM support in 8281

- Management enhancements
- Enhanced filtering
- Forum-compliant LAN emulation

Extended support in 8285

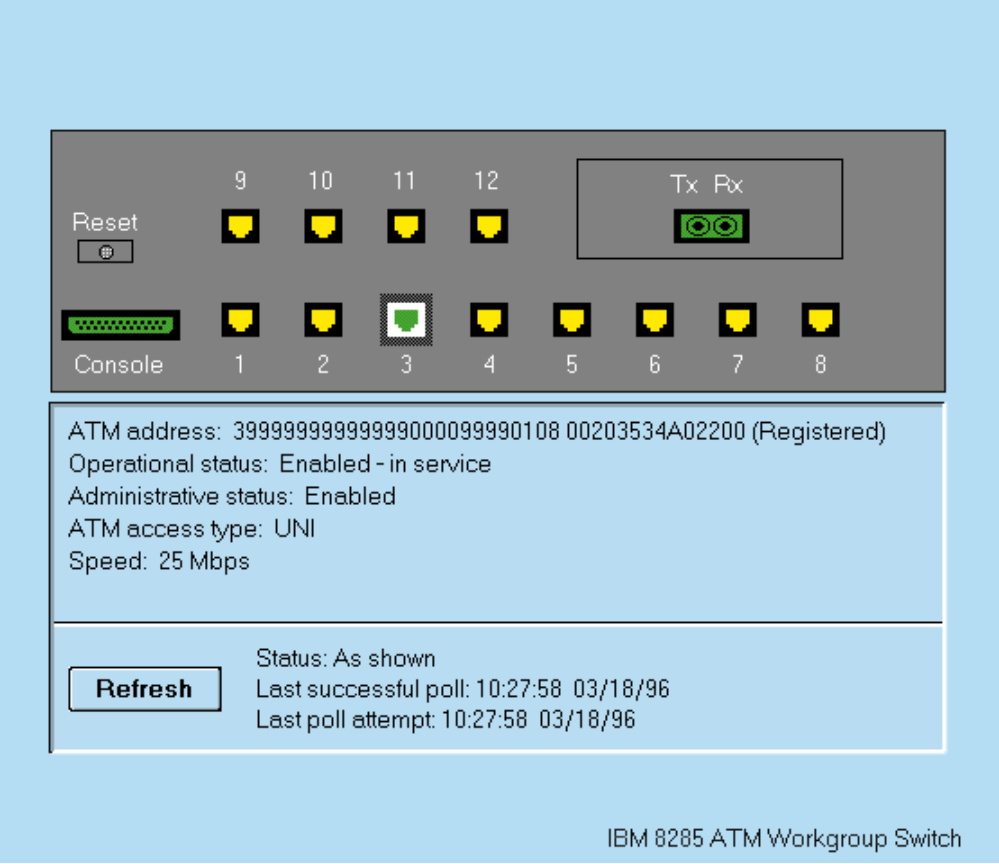
- Expansion unit
- Base unit, 155-Mbps, single-mode, fiber input/output (I/O) card
- 4-port, 100-Mbps, ATM concentration module
- 12-port, 25-Mbps ATM concentration module
- 2-port, 155-Mbps ATM concentration module
  - 1-port, fiber, single-mode or multimode input/output (I/O) card
  - 1-port, unshielded twisted pair or shielded twisted pair I/O card
- 8281 ATM LAN bridge module

- 8260 Utopia 1 ATM carrier module (1 slot and 2 slot)
- LAN emulation trap support
- Displays ATM-attached devices
- Backs up and restores a configuration
- Displays switched virtual connections (SVCs) and manages SVC log files
- Telnet support

Because Simple Network Management Protocol (SNMP) is an industry standard, and the Nways Manager for Windows supports Management Information Base (MIB) II, multivendor management is expected. Nways Manager for Windows goes beyond the multivendor capabilities of most SNMP management platforms and applications. MIB browsing is also supported. Telnet capabilities are provided to make device management easier.

Nways Manager for Windows includes selective installation. When you install, you choose which device management applications you need, and you can easily install other device management applications as your network grows.

Figure 3. Network topology and configuration



Enables proactive network management

Nways Manager for Windows allows you to manage your LAN and ATM networks proactively, finding problems before they cripple your network. The tools you need are included, giving you the ability to conduct performance thresholding, specify trap severities, and set up polling configuration and notification.

Lets you use point-and-click problem determination

Nways Manager for Windows device management applications support ”hot spots” for point-and-click problem determination and action. Click on a hub port, for example, and status information and allowable actions are displayed immediately. Or, click on an EIA-232 port to download configurations or versions of microcode or software.

Provides virtual LAN configuration management

A virtual LAN (VLAN) is a subnetwork defined by software instead of physical wiring. VLANs enable networks to support the needs of workgroups, which improves worker productivity and network security and, ultimately, cuts network administration costs.

IBM 8271 Nways Ethernet Switch and IBM 8272 Nways Token-Ring Switch have VLAN capability built in. You can set up VLANs remotely, using the drag-and-drop feature of Nways Manager for Windows, without having to go to the wiring closet.

Offers seamless integration with RMON

Remote monitoring (RMON) allows performance monitoring of Ethernet and token-ring LAN segments. The Nways LAN Remote Monitor for Windows product works seamlessly with Nways Manager for Windows, helping you detect network problems before they occur.

Full support of all Ethernet and enhanced token-ring RMON groups is provided. New with Version 2 is enhanced RMON coupling for the 8230 and 8238 token-ring hubs. This enhanced RMON coupling allows seamless access to the LAN Remote Monitor for Windows.

For more information about Nways LAN Remote Monitor for Windows, contact your IBM representative or IBM business partner.

Comes ready-to-use

Packaged with the NetManage Newt TCP/IP stack and NetView for Windows, Nways Manager for Windows operates on a workstation running Microsoft Windows, Version 3.1, or higher, and provides a comprehensive network management solution that’s ready-to-use.

NetManage Newt provides a TCP/IP communication stack for Microsoft Windows that allows your Windows workstation to participate in your company’s Internet environment. Not only do you get the NetManage Newt TCP/IP stack with IBM Nways Manager for Windows, Version 2, but you also receive NetManage Telnet, trivial file transfer protocol (TFTP,) and file transfer protocol (FTP) applications that take advantage of NetManage Newt. These applications are primarily provided to allow the Nways Manager for Windows to access and manage the associated networking devices.

With NetView for Windows, you get an SNMP management platform that seamlessly integrates with NetManage Newt and Nways Manager for Windows. And, NetView for Windows brings integrated, multivendor, heterogeneous LAN SNMP management to the Windows environment. NetView for Windows provides fault, performance, configuration, accounting, and security management for SNMP-enabled workstations, hubs, routers, bridges, and switches.

NetView for Windows reduces down time by providing rapid problem source identification and resolution through easy-to-use graphical network and device displays. You can achieve proac-

tive network management through threshold setting and data collection to allow the detection of problems, such as network congestion, before they arise.

Some of the key features of IBM NetView for Windows, Version 2, are:

- Automatic Internet network discovery
- An object-oriented database
- Real-time, graphical views of network topology
- Support for dynamic, graphical representation of network devices
- Ability to browse, update, and compile MIBs
- Color-coded and aggregated network and device real-time status
- Trouble ticketing
- Trap management, including specifying trap severities
- A trap compiler
- Polling configuration and notification
- Threshold configuration and notification
- Inventory management
- Collection and presentation of real-time and historical statistics
- Telnet and FTP capabilities
- Access control, based on user identification

All of this support comes ready-to-use on CD-ROM—new to Version 2—for quick and easy installation.

IBM Nways Manager for Windows at a glance

Hardware requirements

- 80486-DX, with at least a 33-MHz processor
- High-resolution (1024 x 768) monitor and adapter
- Network interface card, with a network driver interface specification (NDIS) or open data-link interface (ODI) driver
- 16 MB of RAM (24 MB for larger networks)
- 240 MB of available hard disk space

- CD-ROM
- 3.5-inch drive

Software requirements

- Microsoft Windows, Version 3.1, or higher
- DOS, Version 5.0, or higher

For more information

For more information, contact your IBM representative or IBM business partner today. Or, you can visit the IBM Home Page at `https://web.archive.org/web/19970119010100/http://www.raleigh.ibm.com/netprod.html`

© International Business Machines Corporation 1996. All rights reserved.

IBM Corporation
A8MA/660
P.O. Box 12195
Research Triangle Park, NC 27709
USA

9-96

IBM, NetView, and Nways are trademarks of International Business Machines Corporation.

Microsoft and Windows are trademarks or registered trademarks of Microsoft Corporation.

NDIS is a trademark of 3Com Corporation and Microsoft Corporation.

Other company, product, and service names may be trademarks or service marks of others.

G325-3634-01