IBM Nways Enterprise Manager Release 1 Fact Sheet

Integrated management tools for increased network effectiveness

8 October 1996

Announcement Summary

Today IBM announces the newest member of the Nways Multiprotocol Services family–IBM Nways Enterprise Manager Release 1. Enterprise Manager lets you manage the network of IBM 2220 switches, routers, bridges and 3746s in TCP/IP mode–typically found in our customers' networks–from a single management station. Enterprise Manager integrates three separate management packages into a single, cost-effective package that simplifies customer ordering and installation.

Announcement Highlights

Enterprise Manager Release 1 runs on TME NetView for AIX or TMN/6000, and it can run concurrently with other Nways management programs. It combines three programs:

Nways Switch Manager (NSM) Manages the hardware and logical resources of the IBM 2220 switches.

Router and Bridge Manager (RABM Version 2) Manages resources such as 2210, 2216, 8260 and 3746 (IP mode) routing, 8229 bridging, APPN topology and DLSw topology.

Alert Manager Converts 3746 alerts into SNMP events for display and manipulation.

Additional Technical Details

NSM

NSM manages IBM 2220 switches. Its features include:

- A graphical network-topology display that uses color-coded icons to display resource status. The topology display includes nodes and backbone trunks (NBBS and ATM), and it can support as many as one hundred 2220 switches.
- A detail-resource display for adapters, switches, powers, fans and trunks. Ports are displayed in a list. Specific command menus are available to operate resources.
- Operations Administration and Maintenance (OAM) support lets you:
  - Activate, deactivate, lock and unlock ATM resources

  - Activate, end, display or reroute the path of NBBS and ATM connections
  - Reload your 2220 BroadBand Network Switch, yet maintain your current configuration
  - Locate a problem through loopbacks on lines

Other features include dynamic resource configuration of Nways switches, and problem, performance and accounting management. NSM will automatically kick off a script routine upon the receipt of an event. Online help and documentation are available.

Additional management of ATM resources for the IBM BroadBand Network Switch includes:

- Client/server capability where the end-user interface is monitored by a client RS/6000 station, with the management process performed by a server station
- Security files defining access per category of operators
- Support for up to one hundred 2220 switches of medium size
- Performance management for Voice Server Adapter (VSA) with specific VSA counters, and for Frame Relay with specific Frame Relay counters
- Accounting function as a separate process that can be called by line commands

Router and Bridge Manager

Enterprise Manager incorporates the functions of RABM for bridging, routing, Advanced Peer-to-Peer Networking (APPN) topology and DLSw topology management in:

- IBM 2216 Nways Multiaccess Connector Model 400
- IBM 6611 Network Processor (all models)
- IBM 2210 Nways Multiprotocol Router (all models)
- Router blades in the IBM 8250 Router (all models)
- Router blades in the IBM 8250 Multiprotocol Intelligent Switching Hub
- Router blades in the IBM 8260 Nways Multiprotocol Switching Hub
- Selected models of other vendors' routers
- Bridges that have SNMP agents, such as the IBM 8229 Bridge and the IBM RouteXpander/2 Version 2
- APPN topology
- Data link switching technology:
  - Distributed management using the ObjectStore database
  - Client/server capability

Alert Manager

The SNA Alert Manager function of Enterprise Manager receives SNMP traps containing SNA alerts and translates them into an SNMP event. The event can then be displayed and manipulated in the TME NetView event desk.

Nways Enterprise Manager Release 1 runs on TME NetView for AIX or TMN NetView Support Facility for AIX (TMN/6000), and it can run concurrently with other Nways management programs.

Benefits

Nways Enterprise Manager:

- Provides an efficient way to collectively manage your network of 2220 switches, routing products and bridging products through a single workstation
- Helps you increase network efficiency for a more cost-effective network operation
- Integrates the function of the NSM, the RABM and the SNA Alert Manager into one product, thus simplifying the way you order and install programs to manage your multiple data centers

Positioning

Nways Enterprise Manager Release 1 is a comprehensive management solution for customers who own 2220 switches, routing products or bridging products. By gathering three programs to manage your network, Enterprise Manager provides a cost-effective, multiprotocol solution for meeting your high-bandwidth needs. It lets you connect and manage multiple data centers through a single workstation.

Table 1. Order Type Number, Price, Availability

Item	Order Type Number	Price (USD)	Availability
Nways Enterprise Manager, Release 1	5777-AAK	–	12/96

This fact sheet is for IBM Networking Products announced on 8 October 1996.

Product part numbers, prices and availability dates will vary from country to country. Some products may not be announced in your country. Refer to product announcements for your country or contact your local IBM representative or IBM Business Partner.

© IBM Corporation 1996. All rights reserved.

® Advanced Peer-to-Peer Networking, AIX, APPN, IBM, NetView and RS/6000 are registered trademarks of International Business Machines Corporation.

(TM) IBM Business Partner and Nways are trademarks of International Business Machines Corporation.

TME is a trademark of Tivoli Systems, an IBM company.