IntranetWare for SAA: AS/400 Edition 2: Details

IntranetWare for SAA: AS/400 Edition 2 is a cost-effective connectivity solution that seamlessly integrates IntranetWare™ and NetWare 4™ networks with AS/400 systems, enabling IntranetWare and NetWare® users to access AS/400 data and applications while accessing files and services on IntranetWare and NetWare servers. Developed jointly by Novell and IBM, IntranetWare for SAA: AS/400 Edition 2 supports a broad range of third-party applications and integrates smoothly with existing computing environments.

Installed as a set of NetWare Loadable Modules (NLMs), IntranetWare for SAA: AS/400 Edition 2 can run on an IntranetWare or NetWare 4.1 or above server or on an AS/400 Integrated PC Server (IPCS) (formerly known as a File Server I/O Processor). In either case, IntranetWare for SAA: AS/400 Edition 2 takes advantage of Novell Directory Services™ (NDS™) and the security, administration, and management features of IntranetWare and NetWare 4.

IntranetWare for SAA: AS/400 Edition 2 supports configurations of five to 1,000 concurrent users and is available in 5-, 10-, 25-, and 100-user packages.

Features

- Offers complete and easy access to AS/400-based applications
- Provides access to AS/400-based files through Web browsers
- Integrates with IntranetWare and NetWare, including NDS
- Offers centralized, easy administration and management
- Provides an open IntranetWare-to-AS/400 application platform
- Includes 32-bit and 16-bit application programming interfaces (APIs)
- Is available in multiple languages
- Provides Physical Unit (PU) 2.1 Advanced Peer-to-Peer Networking (APPN) Logical End Node (LEN) node support
- Supports any Open Data-Link Interface™ (ODI™) 4.1-compliant token-ring or Ethernet adapter for System Network Architecture (SNA) communications
- Supports automatic activation and deactivation of host links
- Supports multiple PU2.1 connections with up to 1,000 concurrent users per IntranetWare for SAA: AS/400 Edition 2 server and enables unlimited AS/400 connections

Complete and Easy Access to AS/400-Based Applications

IntranetWare for SAA: AS/400 Edition 2 provides IntranetWare and NetWare 4 users with complete access to IBM AS/400 data, applications, and services. It supports 5250 terminal emulation, AS/400 Client Access, and PC Support applications such as Shared Folders and Virtual Print. An IntranetWare for SAA: AS/400 Edition 2 server can simultaneously access up to 128 AS/400s over Ethernet, token-ring, Fiber Distributed Data Interface (FDDI), Synchronous Data Link Control (SDLC), or Qualified Logical Link Control (QLLC)/X.25.

Windows, UNIX, OS/2, Mac OS, and DOS clients use terminal emulation software to connect to AS/400-based applications through the IntranetWare for SAA: AS/400 Edition 2 gateway, over any IntranetWare- or NetWare-supported local area network (LAN) topology. IntranetWare for SAA: AS/400 Edition 2 also supports ODI device drivers, thus eliminating the need for complex Network Device Interface Specification (NDIS) and IBM LAN Support Program drivers, saving workstation
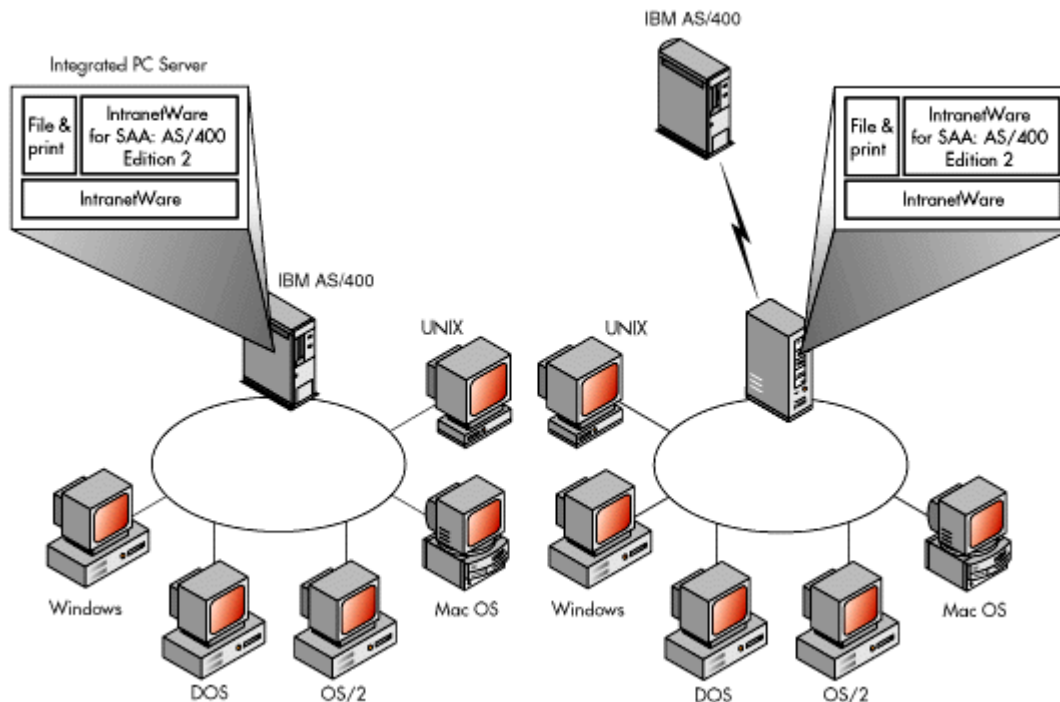
memory and simplifying configuration.

IntranetWare for SAA: AS/400 Edition 2 provides users with fast access to AS/400s by supporting load balancing: If you have multiple active IntranetWare for SAA: AS/400 Edition 2 servers on your network, your network's clients can connect to the IntranetWare for SAA: AS/400 Edition 2 server that is managing the smallest number of LU sessions.

You can install IntranetWare for SAA: AS/400 Edition 2 and IntranetWare or NetWare 4 on an IPCS—a PC on a card that you can add to your AS/400. The IPCS acts as both an IntranetWare or NetWare 4 server and as an AS/400 gateway, centralizing your network services.

You can also install IntranetWare for SAA: AS/400 Edition 2 on an IntranetWare or NetWare 4 server. This single-server solution—perfect for branch office and departmental servers—eliminates the costs associated with a dedicated gateway to your AS/400 system and simplifies the maintenance and management of your IntranetWare or NetWare 4 network.

Figure 1: IntranetWare for SAA: AS/400 Edition 2 can run on an AS/400's IPCS, or on a separate IntranetWare server.

In addition, IntranetWare for SAA: AS/400 Edition 2 can run as the only network service provided by an IntranetWare or NetWare 4 server acting as a dedicated gateway to your AS/400. IntranetWare for SAA: AS/400 Edition 2 includes a runtime version of IntranetWare to support this configuration.

You can install IntranetWare for SAA: AS/400 Edition 2 on a secondary server without having to purchase a separate license for the secondary gateway. If the primary gateway fails, a client's session automatically reconnects through the secondary gateway. To reconnect, the user simply logs in to the AS/400 again.

Easy Access to AS/400-Based Files

For simplified access to AS/400-based files, IntranetWare for SAA: AS/400 Edition 2 includes Files On-Demand, a gateway that enables users on your intranet and the Internet that have industry-standard Web browsers to download files from or upload files to AS/400 systems. A key component of Files On-Demand is the File Transfer Protocol/Advanced Program-to-Program Communications File Transfer Protocol (FTP/AFTP) gateway. With the FTP/AFTP gateway, a workstation can use IP to

communicate with your IntranetWare for SAA: AS/400 Edition 2 server, and IntranetWare for SAA: AS/400 Edition 2 then communicates with the AS/400 using APPC—eliminating the requirement for TCP/IP on the AS/400.

Integration With IntranetWare, Including NDS

IntranetWare for SAA: AS/400 Edition 2 is fully integrated with IntranetWare and NetWare 4, including the security and administration features of NDS. Users log in to the network only once; IntranetWare for SAA: AS/400 Edition 2 does not require them to reenter their NDS-based user ID or password when they request access to your AS/400. You need to log in to the network only once to configure any IntranetWare for SAA: AS/400 Edition 2 server in the NDS directory tree.

IntranetWare for SAA: AS/400 Edition 2 includes snap-ins to NetWare Administrator (NWAdmin) so you can configure every client on your enterprise network from a single point of administration. In addition, IntranetWare for SAA: AS/400 Edition 2 provides a client API that enables an NDS-aware terminal emulator to retrieve its client configuration information from NDS.

Centralized, Easy Administration and Management

IntranetWare for SAA: AS/400 Edition 2 provides comprehensive AS/400 connectivity without adding to the complexity of the network. Administration is easy—using NWAdmin, you can give existing IntranetWare and NetWare users, groups, and other NDS objects rights to access host communication resources.

To enable you to manage your network from a single workstation, IntranetWare for SAA: AS/400 Edition 2 provides two graphical tools: the IntranetWare for SAA Administrator and the IntranetWare for SAA Services Manager.

The IntranetWare for SAA Administrator is an intuitive application that enables you to configure any IntranetWare for SAA: AS/400 Edition 2 server in the network through simple point-and-click operations. The IntranetWare for SAA Services Manager, which can run on the ManageWise® console or as a standalone application, provides extensive network management capabilities for configuring, monitoring, and maintaining IntranetWare for SAA: AS/400 Edition 2 servers anywhere on a network. It provides audit trails, real-time comprehensive status displays, and trace facilities for easy troubleshooting. IntranetWare for SAA Services Manager also enables you to configure, monitor, and maintain multiple local and remote IntranetWare for SAA: AS/400 Edition 2 servers using IPX/SPX, TCP/IP, and dial-up asynchronous connections.

Furthermore, because IntranetWare for SAA: AS/400 Edition 2 is installed as a set of NLMs, you can load, unload, and configure the NLMs without affecting other IntranetWare services.

Industry-Leading IntranetWare-to-AS/400 Application Platform

IntranetWare for SAA: AS/400 Edition 2 fits easily into existing computing environments because it supports a broad range of third-party applications. IntranetWare for SAA: AS/400 Edition 2-compatible applications provide host printing, database access, centralized data backup, network management, integrated security, and more.

32-Bit and 16-Bit APIs

IntranetWare for SAA: AS/400 Edition 2 includes 32-bit and 16-bit APIs; software developers can create applications such as terminal emulation programs that make calls to these APIs from 32-bit and 16-bit clients.

Availability in Multiple Languages

IntranetWare for SAA: AS/400 Edition 2 is available in English, French, German, Italian, Portuguese, and Spanish. All screens, online help and documentation, and system messages appear in the language that you choose when you install the product. You receive printed documentation in the language that you specify when you order the product.

Options

A wide range of Novell and third-party value-added desktop and NLM™ applications support IntranetWare for SAA: AS/400 Edition 2. For example, you can fully integrate AS/400 and IntranetWare and NetWare print services with Novell's NetWare HostPrint/400TM software. It lets users take advantage of standard LAN-based printers to handle print jobs from their AS/400 applications. NetWare HostPrint/400 provides up to 253 server-based AS/400 printer emulation sessions, helping to reduce network traffic and simplify administration. Printing is also more flexible and convenient because printers can be anywhere on your network. You can configure and manage all printer sessions and print jobs from anywhere on the network using familiar IntranetWare and NetWare utilities.

Hardware Requirements

When Installed on an IntranetWare or NetWare 4 Server

- 486-based PC or PS/2 or above
- 20MB of RAM

When Installed on an AS/400 IPCS Server

- 32MB of RAM

LAN Adapters

- Any Novell-certified ODI-compliant ISA, EISA, PCI, or Micro Channel LAN adapter

Host Data-Link Options

Call the Novell Labs™ FaxBack system at 1-800-414-5227 for a hardware matrix listing token-ring, Ethernet, FDDI, SDLC, and QLLC/X.25 adapters for IntranetWare for SAA: AS/400 Edition 2.

Software Requirements

Server

- IntranetWare intranet platform or NetWare 4.1 NOS or above (IntranetWare runtime included)

Workstation

- Users requiring access to 5250 applications on AS/400s must use terminal emulation software on their workstations.
- Over 50 third-party 5250 terminal emulation packages support IntranetWare for SAA: AS/400 Edition 2.

Ordering Information

You can order IntranetWare for SAA: AS/400 Edition 2 from any Novell Authorized, Gold, or Platinum Partner. For more information, contact your local Novell office or call the Novell Customer Response Center at 1-801-228-4CRC (1-801-228-4272). Or, in the United States and Canada, call toll free 1-888-321-4CRC (1-888-321-4272). You may also visit Novell's World Wide Web site at http://www.novell.com or use Novell's Product Information FaxBack system at 1-801-861-3030. Or, in the United States and Canada, call 1-800-209-3500.