IntranetWare NFS Services - IntranetWare and NetWare 4 Edition: Product Details
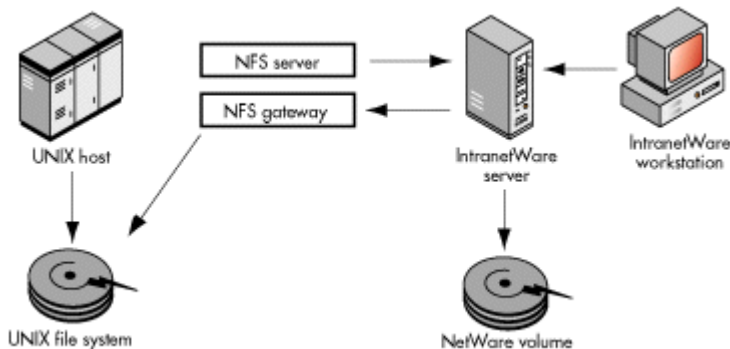
IntranetWare™ NFS Services—IntranetWare and NetWare 4™ Edition transparently integrates UNIX networks with IntranetWare. This integration software provides transparent, bidirectional access to file and print services between UNIX and IntranetWare networks. Using the interface native to their environment, IntranetWare and UNIX users can access all files and printers, whether the resources are IntranetWare- or UNIX-based. IntranetWare NFS Services turns IntranetWare into a powerful NFS server for UNIX workgroups, as well as a gateway that enables IntranetWare users to access files on any operating system that supports the NFS protocol.

IntranetWare NFS Services is ideal for organizations seeking to integrate their UNIX and IntranetWare networks, enabling users on each system to share information and resources easily and quickly.

Features

- Bidirectional file sharing and printing
- File transfer between UNIX and IntranetWare
- IntranetWare security features
- Central management of IntranetWare and UNIX user accounts
- Remote management of IntranetWare servers

Figure 1: With IntranetWare NFS Services, file access is completely transparent.

Provides Bidirectional File and Print Sharing

IntranetWare NFS Services enables UNIX clients to access IntranetWare volumes using the standard UNIX/NFS mount command. UNIX users can share files with other IntranetWare client platforms, including clients running Windows, OS/2, Mac OS, and DOS. Similarly, IntranetWare clients can access files on any UNIX system that supports the NFS protocol. Remote NFS file systems appear to IntranetWare clients as IntranetWare volumes, enabling them to use familiar commands to access NFS files.

IntranetWare NFS Services provides transparent bidirectional printing between UNIX and IntranetWare systems. Using their native print commands, UNIX users can print to any IntranetWare printer, and IntranetWare users can print to any UNIX-attached printer.

Enables File Transfer Between UNIX and IntranetWare

IntranetWare NFS Services provides a File Transfer Protocol (FTP) server that enables any client—including any UNIX client—that is running an FTP client and has valid IntranetWare access to transfer files to and from any IntranetWare server.

Provides IntranetWare Security Features

IntranetWare NFS Services gives users full IntranetWare security features, including authentication, permissions mapping, and file and record locking. These security services are transparent to UNIX users, who maintain all the features of their native operating system. IntranetWare NFS Services also secures remote NFS files because IntranetWare users access them through the IntranetWare server and its authentication mechanism.

Centralizes IntranetWare and UNIX User-Account Administration

Designed specifically for IntranetWare, IntranetWare NFS Services provides centralized IntranetWare and UNIX user-account administration. IntranetWare NFS Services integrates Novell Directory Services™ with the Network Information Service.

Enables Both Central and Remote Management

You can install IntranetWare NFS Services, manage host IP addresses, and control access to remote NFS files from a single IntranetWare server. The package also includes the XCONSOLE NetWare Loadable Module™, which enables you to remotely administer the IntranetWare server over IP or IPX™ networks from any client that supports DEC VT100, VT220, or the X Window System. IntranetWare NFS Services offers additional management features, including system configuration, NFS server usage statistics, error condition logging, and NFS file and directory permission manipulation.

Hardware Requirements

- Any Novell-certified 386-based PC or above
- 12MB of server RAM
- 13MB of free disk space (includes 10MB online documentation)

Software Requirements

- IntranetWare intranet platform or NetWare 4 NOS

Implementation

To properly export files to the NFS gateway, the NFS server must support the following protocols:

- Version 1 mount protocol
- Version 2 NFS protocols
- Version 3 network lock manager and status monitor protocol

UNIX clients must support TCP/IP, FTP, Line Printer Daemon (LPD), and the X Window System in order to access IntranetWare resources transparently from within their native UNIX environment.

Specifications

IntranetWare NFS Services supports the following protocols and services:

- Sun NFS Protocol
- Sun Mount Protocol
- Sun External Data Representation Protocol

- Sun Remote Procedure Call
- Sun Portmapper Protocol
- Sun Lockd and Statd
- DARPA (RFC 959) FTP
- Berkeley UNIX LPD Protocol (RFC 1179)
- MIT X Window System (RFC 854; Telnet used for initiation mechanism)
- DEC VT100/220 terminal emulation access to XCONSOLE (RFC 854; Telnet used for transport mechanism)

Ordering Information

You can order IntranetWare NFS Services—IntranetWare and NetWare 4 Edition from any certified Novell 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.