
NFS™ Software from Sun:

**Bringing the Enterprise
to your Desktop**

The Sun™ PC Networking Solution for the Global Enterprise!



Integrating your PC users into the enterprise network is one of the most pressing and difficult challenges you face today. Add the following factors to this requirement and it becomes even more daunting:

- The proliferation of PC desktop operating systems (Windows NT, Windows 95, Microsoft Windows 3.1, and Windows for Workgroups 3.11).
- The diversity in user networking requirements ranging from simple file and printer sharing to complex Internet/intranet networking.
- The need to coexist with PC-based LANs.
- The necessity to connect networks across the globe.
- The staggering burden and cost of PC network administration.

Sun Microsystems can help you meet this seemingly complex challenge with Solstice™ Network Client™ and Solstice™ NFS™ Client™ software. Based on NFS™ software, Sun's distributed computing file system, this powerful product set is designed to effortlessly connect Microsoft Windows desktop users to TCP/IP intranet networks and the Internet across the global enterprise. Now, Sun offers it all to you — high-performance global networking that's PC-friendly.

NFS Features

- Integration with Microsoft Windows
- Easy installation
- Scalability across the global enterprise network — from PCs to mainframes
- Easy network navigation
- High performance — competitive with that of other file-sharing protocols
- Easy network administration

Integration With Microsoft Windows

Solstice Network Client's NFS software was designed for complete integration with all Microsoft Windows platforms — Windows NT, Windows 95, Windows 3.1 and Windows for Workgroups 3.11. Your users retain their familiar Microsoft Windows interface and continue to work with point and click ease.

With such complete integration, Network Neighborhood now gives visibility to the entire NFS network of files and resources. For further convenience, a single login is possible. You won't have to worry about extensive user training or increased calls to your help desk. From the time of installation, your users' productivity is enhanced while administrative/training time is reduced.

Easy Installation

NFS is easy to install. Use the single Solstice Network Client installation CD for all Microsoft Windows PCs. Install only those components of Solstice Network Client you want for your users, and customize your own installation scripts. Regardless of which component you select, installation is simple, automatic, and "hands free" for end users. Easy installation makes this software even simpler.

Scalable

From PCs to mainframes, NFS is the single networking software that can scale the enterprise. With NFS, your users will have easy access to files and resources throughout the network. Now PC users can mount file systems on a mainframe located halfway around the world as easily as a PC server in their department. Only NFS offers this unparalleled breadth of access.

Easy Network Navigation

With NFS networking, PC users find the enterprise network as easy to navigate as a simple LAN. Users have visibility to the entire network. They simply “point and click” on servers and files anywhere in the NFS network using Network Neighborhood or Explorer.

The NFS exclusive automounter feature makes networking even easier, enabling users to access files without having to know where they are located. With automounter, you can define mount points without regard to their actual location on the network. Automount maps provide the links between file system names and their actual locations. You can even use logical names in automounter maps to make resources more obvious, and therefore easily located. These maps provide users with the appearance of a single home directory, which in reality may include files and applications on multiple servers in many locations. Shielded from this complexity, users simply click on their home directories from anywhere in the network for immediate, easy access.

Unlike other PC networking software, NFS boasts support for a true enterprise-wide naming system, NIS+ (and its predecessor, NIS, Network Information Service). NIS+ is a secure and robust repository of information about network resources such as users, servers, and printers. Support for such a powerful naming service simplifies the network and makes it completely manageable.

Only with NFS can PC users navigate a complex, global, and heterogeneous network as easily as browsing and accessing a local file server. Now the enterprise network is an entity they can see and manage.

High-Performance Networking

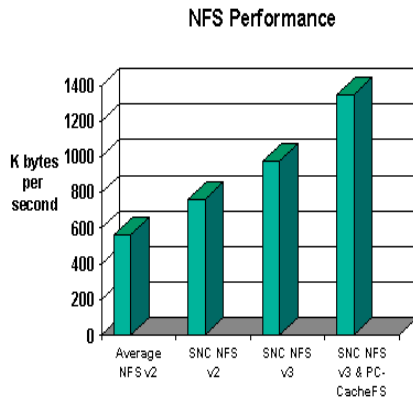
How easy can PC networking software be if it is slow or sluggish. That’s why we’ve enhanced NFS, making it more competitive with leading PC networking systems. Imagine, all the features of network friendly software with the performance you require. NFS, based on TCP/IP, offers fast, reliable local and wide area network connections — unlike other PC LANs that are based on local area technology.

Windows 95 and Windows NT users can benefit from high-performance NFS v3.0 client support. This new 32-bit version of the NFS protocol offers substantial enhancements over NFS v2.0 such as:

- Improved client write throughput
- Reduced server load resulting in increased scalability and performance
- Support for large (multigigabyte) files on NFS servers

To further improve performance, Solstice Network Client’s NFS networking includes a general-purpose file system caching mechanism for Microsoft Windows-based PCs known as Solstice™ PC-CacheFS™. It improves network performance by reducing server and network loads. Frequently accessed network or CD-ROM files are transparently copied onto your users’ local hard drives. All future reference to these files are quickly accessed from the local drive which frees up the network for other users. In fact, Solstice PC-CacheFS reduces network traffic by 20% or more!

The following graph shows you how the combination of the new NFS v3.0 client and Solstice PC-CacheFS boosts network performance to more than double that of the earlier average of NFS v2.0 client.



Easy PC Network Administration

What PC networking software can help you reduce the staggering burden and cost of PC network administration? NFS networking can! We haven't lost sight of this crucial aspect of PC networking. With the powerful combination of its automounter and enterprise naming support, NFS networking enables you to efficiently and easily administer a global network composed of tens of thousands of systems.

Consider the following:

- Adding, deleting, or modifying NFS resources with only a simple update to the central NIS/NIS+ server — and the change appears to everyone on the network.
- File server availability problems easily handled as you move files and applications to other servers — all completely transparent to your users.
- NFS resources throughout the global network conveniently administered from one central location.

All of this is possible with NFS networking.

In addition to its basic capabilities, NFS software also facilitates PC network administration through its tight integration with Microsoft Windows. Basic functions such as Windows 95 user profiles and system policies work seamlessly with NFS. This affords you all the administrative benefits that both NFS and Microsoft Windows have to offer.

NFS is your one, complete solution to the challenge of PC integration within your global enterprise. Ease of use for you and your PC users, high performance, and improved administration make it the most friendly networking software around.

Solstice Network Client: A Closer Look

Solstice Network Client provides a single, flexible platform for integrating PCs into the enterprise network. To enable further flexibility, two products are available to meet the specific needs of customers.

Solstice Network Client 3.1

Solstice Network Client 3.1 provides high-performance, advanced intranet/Internet connectivity and applications for Microsoft Windows users. Included in Solstice Network Client are five key capabilities that enable users to access the corporate intranet and the Internet more productively and securely. Network administrators can choose which capabilities they want to provide to users. These components can be installed/uninstalled on a modular basis.

- Powerful NFS and core TCP/IP networking capabilities.
- Enhanced networked file access through Solstice PC-CacheFS.
- Rigorous TCP/IP security.
- Internet/intranet applications and services.
- X-window applications access.

Solstice NFS Client capabilities are included in Solstice Network Client software.

Solstice NFS Client 3.1

Solstice NFS Client 3.1 offers low-cost, high-performance NFS file and print services for Microsoft Windows users. It includes:

- High-performance TCP/IP and NFS networking.
- Integrated Solstice PC-CacheFS for improved network and file server performance.
- Support for enterprise naming services (NIS/NIS+).

In addition to being included in Solstice Network Client 3.1, Solstice NFS Client 3.1 software is also available as a separate product.

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