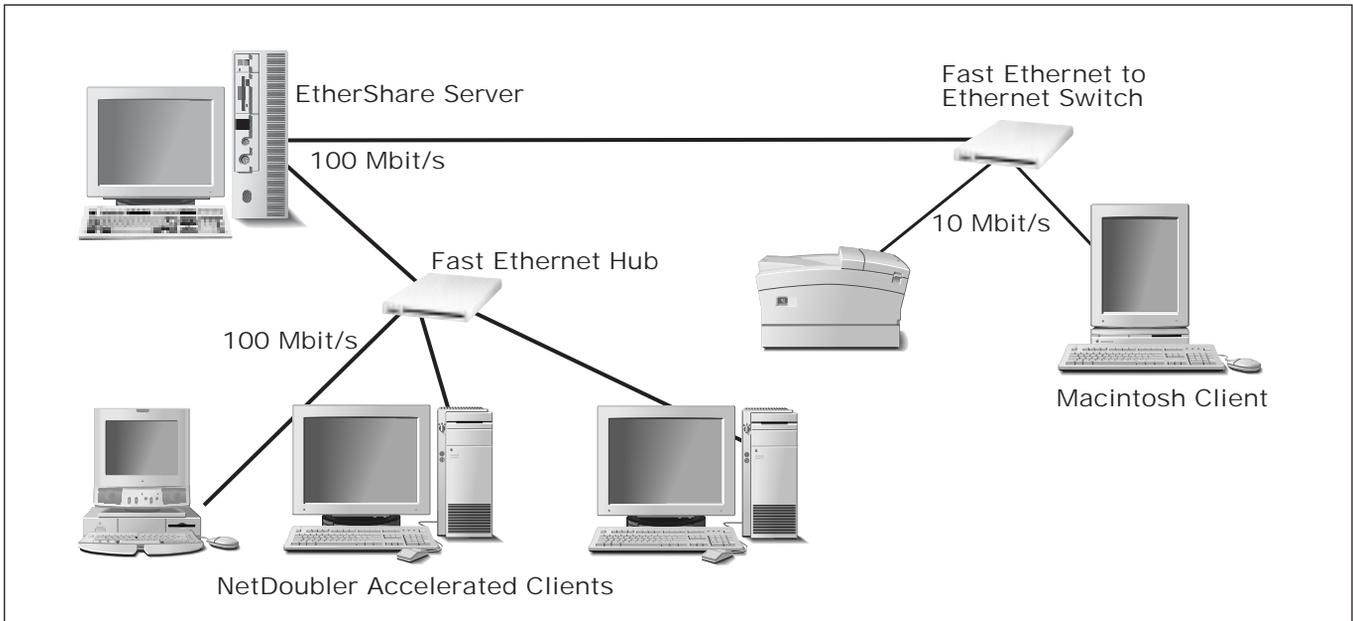


EtherShare 2.5

Highest Performance AppleTalk Server



EtherShare provides AppleTalk network services based on powerful Unix/RISC servers and lets Unix applications print conveniently to PostScript devices. It is well-known for reliability, performance, and ease-of-use.

EtherShare fully complies with Apple standards and works with any Macintosh or MacOS compatible out of the box without need to train users.

EtherShare is easy to set up. The server part is installed in minutes from CD-ROM with a menu-driven script. All further management is done remotely from Macintosh. It's as simple to configure users, groups, print spoolers, font servers etc. with EtherShare as it is to activate MacOS' File Sharing.

EtherShare not only offers impressive file and print services, AppleTalk routing and remote administration by Macintosh, but many additional features which prove extremely useful for daily work. NetDoubler acceleration is built into the server by default so that properly equipped clients can fully utilize faster networks like Fast Ethernet.

The EtherShare print spooler is state-of-the-art and limited only by available Unix resources. There are detailed accounting infos on all print

jobs which are easily exported to other programs. The built-in font server minimizes font problems and significantly reduces network traffic.

EtherShare provides a Macintosh frontend to the Unix mail system and a time server to keep clocks synchronized over the network. It includes a Macintosh terminal emulation which communicates with the Unix host via AppleTalk and works over ARA links.

EtherShare scales well from small sites with only a couple of Macintosh to large sites with most demanding requirements. Despite this growth potential EtherShare always remains easy to administer and never requires re-learning from users.

EtherShare is tightly integrated in Unix. Optional PCShare yields a true crossplatform solution. And EtherShare OPI serves the most demanding printing needs incl. color separation.

Helios supports a variety of server platforms with equal feature set, identical administration, and same release dates. This gives customers flexibility to choose the right server for their needs, budgets, and future plans.

Helios - Smart Ideas for Better Networking

Features & Benefits

Performance & Reliability

- ✓ Fast with standard AppleTalk
- ✓ Extremely fast with Asanté NetDoubler - over Fast Ethernet over 6 MByte/s to one Macintosh client and up to 17 MByte/s to the server
- ✓ Makes best use of Unix power incl. multi processor configurations
- ✓ Conforms to AppleTalk specs

State-of-the-art Spooler

- ✓ Handles largest print jobs
- ✓ Error and hold queues
- ✓ Load balancing
- ✓ Support of PPD files
- ✓ PostScript font server
- ✓ Detailed logging and accounting

Ease of Use

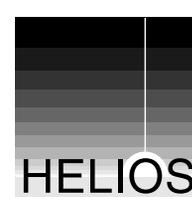
- ✓ Macintosh look-and-feel to user
- ✓ Fast, convenient server installation
- ✓ Easy administration via Macintosh

Flexibility

- ✓ Runs on many Unix/RISC servers
- ✓ Supports Ethernet, Fast Ethernet, Token-Ring, FDDI incl. routing
- ✓ Terminal access and mail services
- ✓ Scales well for small & large sites

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System Requirements

Server

- One of the following Unix systems: SunSPARC Solaris 1 or 2, IBM RS/6000 AIX, HP-UX, Silicon Graphics Irix, Data General AViiON or Intel AViiON, Digital Alpha Unix, Apple Network Server, or other PowerPC systems under AIX 4.1 e.g. from Motorola
- Approximately 7 MB hard disk space
- 16 MB RAM; 512 KB RAM per active client, resp. 800 KB RAM per NetDoubler client
- One activated network adapter; for best performance, use Fast Ethernet or FDDI interfaces in server and multiple adapters for load balancing

Client

- Apple Macintosh or compatible computer
- File and print services with System 6.0.3 or newer; other services with System 7.1 or newer
- NetDoubler acceleration with MacOS 7.5.x, Open Transport 1.1.1, and Asanté NetDoubler client 1.3 or newer. The NetDoubler client must be purchased separately and is available from Asanté Technologies Inc., <http://www.asante.com> as stand-alone product or as part of Asanté's networking cards for Macintosh.
- DOS/Windows PC with AppleShare client software; optional Helios PCShare for PC clients

Network

- AppleTalk – LocalTalk, Ethernet, Token-Ring, Fast E'net, FDDI, ARA – between server&client
- For NetDoubler acceleration there must also be a TCP/IP link between server and client
- Server FDDI link to Sun Solaris with Interphase or Network Peripherals adapter
- Server Token-Ring or FDDI with IBM adapter
- Server FDDI link with DG AViiON adapter
- Server FDDI link with SGI adapter
- Server FDDI link with Digital TurboChannel
- Fast Ethernet adapter usually work regardless of server make. Please check with Helios partner.

Installation, Administration and Configuration

Server Installation

- Fast, menu-driven installation from CD-ROM; optionally creation of an installation tape
- Installation by experienced user feasible
- Automatic creation of "EtherShare Applications" volume with guest access privileges
- Automatic creation of a guest account

Client Installation

- No special drivers for Apple Macintosh needed

- NetDoubler acceleration requires purchase and installation of Asanté's NetDoubler client.
- EtherShare's programs may be used from local disks or remotely by multiple users from server

Server Administration

- Remote administration from any Macintosh in the AppleTalk network, even via modem & ARA
- Special system & printer administrator groups
- Managing multiple servers simultaneously

- Managing Unix users, groups and printers; optionally based on NIS "yellow pages"
- Publishing volumes and printers
- Managing spool queues and PostScript fonts
- Handling printer accounting data
- Gathering extensive statistics on usage etc.
- Easy configuration of AppleTalk routing, automatically and by menu-driven script
- EtherShare automatically recognizes whether a client can be NetDoubler-accelerated.

Product Highlights

File Services

EtherShare is compliant with Apple's AFP 2.1 as in AppleShare: Access privileges, fast Find File, Alias with dir. & file ids, DOS short names etc. All Unix disk space incl. NFS volumes, CD-ROM, MO etc. can be used. Up to 250 volumes per EtherShare server are supported and volumes larger than 4 GB can be accessed by Macintosh. Macintosh files are stored in a way that Macintosh, DOS/Windows, and Unix can fully share documents. Messages can be sent to any connected Macintosh client with EtherShare Admin or from Unix. NetDoubler acceleration is built into the server.

Print Services

EtherShare offers powerful printing services with flexible, Macintosh-based queue management. Support of PPD files per spool queue allow to exploit special printer features. Hold and Error Queues hold all or all erroneous print jobs for easy post-processing and trouble shooting. Balanced queues print to the

next available printer of a group of printers. Detailed accounting information incl. used fonts etc. is provided. OPI is supported by optional EtherShare OPI. EtherShare also accepts Unix text, nroff, and Post-Script. The spooler can direct PostScript jobs to

- Networked PAP devices, e.g. laser printer, RIPs, ...
- Serially attached PostScript printers
- TCP/IP stream
- TCP/IP remote LPR
- File on disk
- Another Unix application, as e.g. a software RIP, via shared memory interface

EtherShare also includes a spooler for networked Apple ImageWriter and HP DeskWriter.

Font Management

EtherShare stores PostScript fonts on the server with no more worry about downloading them.

AppleTalk Routing

EtherShare includes AppleTalk routing between

available appropriate network interfaces. This allows optimum load balancing. EtherShare also runs on top of Apple Network Server's integrated AppleTalk.

Electronic Mail

EtherShare includes an easy-to-use Macintosh front-end to Unix mail and an integrated POP 3 server.

Time Server

EtherShare allows to synchronise Macintosh clocks with the server incl. daylight-saving time settings.

Terminal Emulation

"Helios Terminal" gives terminal access via ADSP which is great for mobile users dialing in with ARA.

Licensing Scheme

The license is tied to a specific machine and for a certain number of simultaneous users. EtherShare can manage thousands of (Unix) users, but the limit of concurrent AppleTalk-based sessions is 250.

Related Products

EtherShare OPI

EtherShare serves as platform for Helios' OPI server. Prepress users working with large images gain significant throughput improvements. EtherShare OPI 2.0 comes with ICC-compliant color management for on-the-fly separation in the spool system.

PCShare

PCShare makes Unix systems to extremely fast PC servers with full DOS file & record locking.

AppleTalk Toolkit

Helios provides a Unix C library for AppleTalk with

functions largely compatible to "Inside AppleTalk". EtherShare acts as run time environment.

"SHM" and Admin Plug-In Interfaces

EtherShare offers a fast shared memory interface and a plug-in interface to the administration program.

EtherShare is a product of

Your Helios EtherShare partner

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