AppleShare IP 6.1

Powerful and easy-to-use file, print, mail, and web services.

Faster. More secure. Greater accessibility. If you need a powerful yet simple way to communicate and exchange information, you'll find AppleShare IP 6.1 software an invaluable tool. Install any combination of its integrated file, print, mail, and web servers as needed. Basic setup takes only minutes, and ongoing server management is simple with its remote-administration interface, accessible from any web browser. The services of AppleShare IP 6.1 work over TCP/IP and AppleTalk networks, and its native SMB support for Windows clients means it looks just like a Windows NT file server in the Network Neighborhood of Windows users.

Because it supports AFP, FTP, and SMB file transfer protocols, AppleShare IP 6.1 lets users access information via your intranet, the Internet, or an AppleTalk network. It is also optimized for exceptional performance across today's high-speed networks—the file server provides the fastest possible throughput for Macintosh clients as well as high-speed transfers for Windows clients. The included AppleShare client software for Macintosh automatically uses the faster TCP/IP protocol when both it and AppleTalk are available.

Printers and workstations can be on any combination of AppleTalk and TCP/IP networks. AppleShare IP 6.1 can reduce time wasted waiting for printouts by automatically sending each print job to the next available printer.

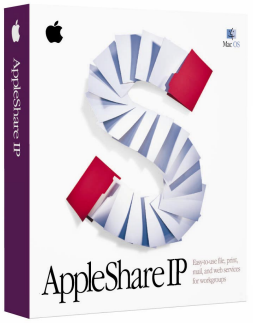
Electronic mail has become an indispensable service for any organization. AppleShare IP 6.1 supports the SMTP, POP, and IMAP protocols, allowing you to select the best client- or host-based solution for your users. Intelligent mail handling saves bandwidth and disk space when the same message is going to multiple recipients. Flexible and powerful administrative features ensure that your mail system continues to run smoothly and securely.

AppleShare IP 6.1 also includes a powerful web server so your organization can set up its own intranet and Internet web sites to share information. Built-in support for plug-ins and CGIs lets you add your own powerful features to the server, and AppleShare can host up to 50 web sites from one server.

For maximum ease of use, all AppleShare services can be administered locally or remotely. You can set up basic services in minutes, and manage your servers from any client, using a web browser.

And your content is now more secure than ever, with a built-in firewall to control which clients can access each network service. Consistent security ensures that access to information is determined by the user's name and password, regardless of the connection protocol or client type.

AppleShare IP 6.1: Experience the power and convenience of integrated file, print, mail, and web services.



Key Features

Powerful file transfer capabilities

- Transfer files up to three times faster than with a Windows NT server*
- Search server volumes using Sherlock Find technology
- Provide native (SMB) file services to Windows clients
- Access files over your intranet, the Internet, or an AppleTalk network
- Use aliases for flexible information management
- Provide the fastest server available for Macintosh clients

Efficient print services

- Support users and printers on any combination of TCP/IP and AppleTalk networks
- Control user access on a per-queue basis
- Enjoy automatic load balancing across as many as 10 printers per queue

Versatile e-mail support

- Offer any combination of IMAP, SMTP, and POP
- Permit users to have both IMAP and POP mailboxes for greater flexibility in retrieving mail
- Save disk space and bandwidth use with single-copy message storage for multiple recipients
- Allow shared IMAP folders

Ready-to-use web server

- Provide high-speed throughput with up to 25 million connections per day
- Let your users share information efficiently and creatively by publishing their own web pages
- Add functionality through plug-ins and CGIs
- Host up to 50 web sites

New web-based administration

- Set up, manage, and reconfigure all AppleShare IP 6.1 services from a web browser
- Leverage the same "Users and Groups" list to define multiple services or functions within a single service

Security

- Protect the server through the built-in firewall with TCP filtering
- Add custom user authentication modules to authenticate from an external directory
- Prevent spam mailings and control with whom your server exchanges mail

**Based on performance tests conducted by Apple. Large (185MB) files and folders were copied over 100-Mbps Ethernet from a 300-MHz Power Macintosh G3 client to two servers: a 300-MHz Macintosh Server G3 running AppleShare IP 6 and a 400-MHz Pentium II based server running Windows NT Server 4.0.*

Mac

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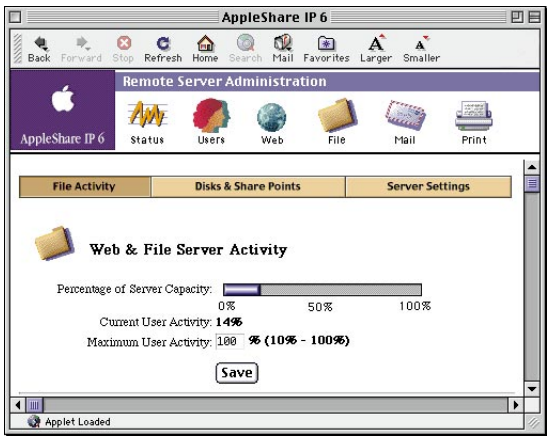
Features	Benefits
Powerful file transfer capabilities	
Dynamic cache tuned for high-speed networks	• Now up to three times faster than a Windows NT server • Fastest server for Macintosh clients • Competitive speed for Windows clients
Support for the Apple Filing Protocol (AFP), the Server Message Block (SMB) protocol, and the Internet-standard File Transfer Protocol (FTP)	• Lets authorized users access files over your intranet, the Internet, or an AppleTalk network • Makes an AppleShare IP 6.1 file server look just like a Windows NT file server in the Network Neighborhood of Windows users
Intelligent AppleShare client software for Macintosh computers	• Automatically uses the faster TCP/IP protocol when both TCP/IP and AppleTalk are available on a given server • Allows users to connect to AppleShare servers via IP addresses and URLs
Support for up to 500 simultaneous AFP, SMB, and/or FTP connections	• Scales to meet file-sharing demands • Helps you support all users with one file server
WINS registration	• Allows an AppleShare file server to join a Windows NT intranet for easy location by Windows clients
Auto-encoding of files during FTP transfers	• Eliminates the need to store duplicate files for AFP and FTP users
Asynchronous logins	• New client software lets users cancel a TCP connection and immediately regain use of their computers
FTP aliases	• Lets you organize the FTP server however you like, without having to duplicate the same file in multiple locations
Efficient print services	
Support for both TCP/IP and AppleTalk networks	• Users can access printers over either network; queues can include printers on both networks
Ability to receive LPR/LPD print jobs	• Allows printing over the Internet • Enables the AppleShare print server to receive jobs from many different clients • Enables it to send jobs to a wide range of output devices
Controlled user access (on a per-queue basis)	• Ensures that only authorized persons use specific printers
Support for multiple queues	• Permits up to 10 queues with as many as 10 printers in each queue (up to 30 printers)
Automatic load balancing	• Automatically sends each print job to the next available printer in the queue

Features	Benefits
Support for server-side PostScript printer descriptions (PPDs)	• Allows the server to pass on printer-specific information such as paper-handling characteristics
Versatile e-mail support	
IMAP support	• Allows users to store mail on a central server—great for mobile users
POP and APOP support	• Brings the benefits of standard Internet mail retrieval protocols to AppleShare users
SMTP support	• Enables AppleShare to exchange mail with standard Internet mail servers
Remote administration	• Lets you manage the message database from any IMAP client
Single-copy message storage	• Minimizes hard disk space and network bandwidth use
Shared IMAP folders	• Allows group access to IMAP folders
Single or dual IMAP/POP3 in box	• Gives users greater flexibility in mail retrieval, such as having a POP mailbox for office use and an IMAP mailbox for mobile use
Server-side IMAP search capability through Sherlock indexing of the mailstore	• Lets users take advantage of fast server-based searches • Avoids the bottlenecks of performing client-based searches



Remote administration from any web browser.

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Features	Benefits
Definable host list for e-mail exchange	• Helps you control unwanted incoming mail and unauthorized outgoing mail • Lets you control what servers your users can receive mail from
Scheduled outgoing connections for modems	• Lets you control Internet connections to minimize costs and regulate dial-up traffic loads
Automatic blind copying (BCC) on incoming mail from specified hosts	• Enables administrators to track e-mail coming from certain sites
Support for up to 16 simultaneous IP addresses	• Lets a single server handle e-mail for multiple domains
Client notification of new mail	• Informs users as soon as new mail arrives
Easy-to-use web server	
Built-in HTTP server	• Enables authorized users to set up intranet and Internet web sites
Multihosting	• Allows your server to host multiple web sites designated by folders each with different DNS names
Support for HTTP 1.1 protocol features	• Permits persistent connections for improved web session performance
Support for CGIs and WebSTAR 1.2 compatible plug-ins	• Lets you extend the capabilities of the server with custom or ready-to-use extensions
Secure web server	• Protects files on your server through access privileges and password security
Web aliases	• Lets you organize the web server however you like, without having to duplicate files in multiple locations
Support for custom error pages	• Allows you to give web visitors helpful information when they try to access a nonexistent or inappropriate page • Comes with sample pages for the most common HTTP error messages
Upload plug-in	• Lets you post documents to the server using any web browser
Logging	• Tracks how the web server is accessed
Easy, flexible administration	
Remote, web-based administration	• Lets you set up, manage, and reconfigure all AppleShare services from any client, via a web browser • Lets you add users, change passwords, or administer jobs in a print queue from your desk or over a PPP connection

Features	Benefits
Consolidated "Users and Groups" list	• Eliminates rekeying when creating user accounts for multiple servers • Lets you use one list to define multiple functions within a server (such as access privileges and group e-mail addresses)
Support for both server- and client-based user authentication modules	• Enables developers to add advanced security features, such as accessing an external authentication directory
Ability to limit guest access to any combination of FTP, AFP, SMB, and web services	• Gives you greater control over who accesses your information
Expanded Users and Groups database	• Allows you to have up to 10,000 users in your AppleShare registry
Powerful search technology	
Incorporates Apple's new Sherlock Find technology	• Find files faster on server volumes • Control access privileges—users only receive search results for files to which they have been assigned access
More security	
Contains a built-in firewall	• Place tighter controls on which clients can access network services • Enable or disable services based on IP addresses • Protect users from unwanted e-mail with anti-spam controls

AppleShare available inside the Network Neighborhood.

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Who Should Buy AppleShare IP 6.1?

- Small businesses that want to run their own file, mail, print, and/or web servers
- Workgroups that have been using the built-in file-sharing capabilities of the Mac OS but now need higher performance and more robust features for better collaboration
- Larger workgroups that need scalable network services to handle hundreds of simultaneous users and offer advanced features such as custom user authentication modules
- Mixed–operating system workgroups that need network services everyone can use
- Any group that wants to implement an Internet-compatible electronic-mail system
- AppleShare 4.0 and 5.0 users who want higher performance and/or the ability to interoperate in a Windows NT network environment

Product Details

File server

- File-sharing protocols supported:
  - Apple Filing Protocol (AFP) over TCP/IP and AppleTalk
  - Server Message Block (SMB) over TCP/IP
  - File Transfer Protocol (FTP) over TCP/IP
- Files automatically encoded by AppleShare IP when requested by an FTP client
- Dynamic file and directory caches for expedited delivery of frequently requested files
- Support for anonymous FTP sessions (users get the same privileges as AppleShare "Guest" accounts)
- Maximum number of connected users: Up to 500, depending on the server hardware and AppleShare license agreement
- Maximum unique open files: Approximately 300
- Maximum number of all open files: 3,000 forks (data and resource)
- Maximum number of physical volumes and share points combined: 150
- Maximum number of users and groups in the Users and Groups data file: 10,000
- Maximum group memberships per user: 42
- Maximum simultaneous launches of network applications: Up to 500 (depends on application licensing)
- Maximum volume size: 2 terabytes
- Maximum number of multihomed ports (AppleTalk only): 4

Print server

- Supported protocols: PAP (AppleTalk) and LPR/LPD (TCP/IP)
- Supported printers: Apple LaserWriter printers, third-party PostScript printers that support the LaserWriter 8.4 printer driver, and LPR/LPD-compatible printers
- Secure print queues
- Maximum number of attached printers: 30
- Maximum number of queues: 10
- Maximum number of printers per queue: 10
- Maximum number of concurrent connections: 32
- Maximum total number of jobs: 500

Mail server

- Mail protocols supported:
  - Internet Message Access Protocol (IMAP)
  - Simple Mail Transfer Protocol (SMTP)
  - Post Office Protocol (POP)
  - Authenticated Post Office Protocol (APOP)
- Mail storage in a single database instead of as separate mail files
- Maximum message size: 512MB
- Maximum recipients per message (before expansion of group names): 512
  - Supported character sets: 1-byte and 2-byte (through 8-bit transparency)
- Maximum number of transfers per POP connection: 2,048
- Maximum number of incoming connections: 1,024
- Maximum number of POP and IMAP connections: 2,048
- Maximum number of IMAP folders per user: 1,000
- Maximum number of messages per IMAP folder: 1,000
  - Maximum folder name size: 128 bytes
  - Maximum IMAP folder path depth: 32 folders or 256 characters
- Maximum number of unique messages stored on the mail server: Approximately 1,000,000
- Maximum size of the mail database folder: 4GB

Web server

- Web protocol supported: Hypertext Transfer Protocol (HTTP) 1.1
- Common Gateway Interface (CGI) support for extending the capabilities of the web server
- Access logs
- Directory browsing
- Customizable error pages
- Support for keepalives
- WebSTAR API support: Version 1.2

System Requirements

- A Power Macintosh, Macintosh Server G3, or Workgroup Server with a PowerPC G3, 604e, 604, or 601 processor
- Mac OS 8.5 or Mac OS 8.1 (Mac OS 8.5 included; required for Sherlock and TCP filtering)
- 64MB of RAM without virtual memory; 48MB of RAM with virtual memory
- 100MB of hard disk space

Ordering Information

All packages include:

- AppleShare IP 6.1 software CD
- Mac OS 8.5 software CD
- AppleShare IP 6.1 Getting Started manual

AppleShare IP 6.1 10-Client Version
Order No. M7333Z/A

AppleShare IP 6.1 50-Client Version
Order No. M7334Z/A

AppleShare IP 6.1 Unlimited-Client Version
Order No. M7243Z/A

AppleShare IP 4.x/5.x to 6.1 Upgrade
Order No. M7245Z/A

For more information about this product, or to find out where to buy Apple products, visit www.apple.com/appleshareip or call 1-800-538-9696. To order this product from the Apple Software Order Center, call 1-800-293-6617.

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