

APPLESHARE SERVER SOFTWARE VERSIONS AND SYSTEM COMPATIBILITY

This document attempts to clarify which AppleShare Server Software versions will work on which system software. It includes information on hardware that is appropriate for a given configuration. The starting point for this document is Apple Tech Article TA21622 "AppleShare: Platforms and Mac OS Releases Supported" and Apple Tech Article TA21611 "AppleShare and AppleShare IP File Sharing: Chart of All Limitations."

Secondary sources consist of the numerous Read Me files and administrator guides that shipped with the products contained in this archive. In specific instances, an Apple Tech Article or a KnowledgeBase Article helped provide some missing information. Approximate file dates and timestamps have been filled in by looking at file timestamps on the installation media. Recommended system software information comes reading Administrator Guides and Read Me's.

This software archive contains ALL known public releases of AppleShare Server, AppleShare IP Server, and AppleShare Pro. It also includes a selection of Macintosh Manager clients, Apple Remote Desktop 1.2.2, all known versions of At Ease and At Ease for Workgroups, all known versions of Apple Network Assistant, all known versions of Apple Network Administrator Toolkit and relevant versions of Apple RAID/SoftRAID. There is a Documentation folder on the archive that contains any available electronic documentation for this software.

ITEMS MISSING FROM THE ARCHIVE:
LaserShare 1.0 disk# 690-5139-A (AppleShare 1.0 Server and AppleShare 1.1 Server did not ship with a print server. LaserShare 1.0 was released and marketed as Apple's print server for early Macintosh computers.)

AppleShare Server 2.0.1 Administrator Guide is also missing.

AppleShare Server Software Versions, Recommended Hardware/System Software Configurations and Timestamps			
AppleShare Server Version	Approximate File Dates/ Timestamp	Recommended System Software	Compatible Server Hardware
AppleShare 1.0	01/12/1987	System 3.3 Finder 5.4	Macintosh 512K through Macintosh Plus
AppleShare 1.1	05/15/1987	System 4.1 Finder 5.5	Macintosh 512K through Macintosh II
AppleShare 2.0.1 Note 1	07/12/1988	System 6.0 through System 6.0.8	Macintosh Plus through Macintosh IIsi with a Motorola 68000, 68020 or 68030 processor
AppleShare 3.0	11/18/1991	System 7.0 System 7.0.1	Macintosh computers with a Motorola 68000, 68020 or 68030 processor
AppleShare 3.0.1	09/10/1992	System 7.0 System 7.0.1	Macintosh computers with a Motorola 68000, 68020 or 68030 processor
AppleShare 3.0.2	06/10/1993	System 7.0 System 7.0.1	Macintosh computers with a Motorola 68000, 68020 or 68030 processor
AppleShare 3.0.3	09/07/1993	System 7.0 System 7.0.1	Macintosh computers with a Motorola 68000, 68020 or 68030 processor
AppleShare 4.0	07/12/1993	System 7.1	Quadra 605, Quadra 700, Quadra 800, Quadra 950 or Workgroup Server 80
AppleShare 4.0.1 Note 2	01/28/1994	System 7.1	All Motorola 68040-based computers, except Quadra 660AV and Quadra 840AV
AppleShare 4.0.2	04/22/1994	System 7.1 (68040) System 7.1.2 (PowerPC)	All Motorola 68040-based computers, except Quadra 660AV and Quadra 840AV; PowerPC-based computers with clock speeds less than or equal to 80 MHz (except Power Macintosh 6100/66 and 7100/80)
AppleShare 4.1	04/28/1995	System 7.5	All NuBus PowerPC-based computers available through 1995-04 (not Power Macintosh 7200, 7500, 8500, or 9500 computers)
AppleShare 4.2	11/06/1995	System 7.5.1	All NuBus PowerPC-based computers (not Power Macintosh 7200, 7500, 8500, or 9500 computers)
AppleShare 4.2.1 Note 3	03/29/1996	System 7.5.3 System 7.5.5 Mac OS 7.6	Works with PCI- and NuBus-based Workgroup Servers and Power Macintosh computers. Compatible with Open Transport on PCI-based Power Macintosh 7200, 7500, 8500, and 9500 computers
AppleShare 4.2.2 Note 3	09/25/1996	System 7.5.3 System 7.5.5 Mac OS 7.6	Works with PCI- and NuBus-based Workgroup Servers and Power Macintosh computers. Compatible with Open Transport on PCI-based Power Macintosh 7200, 7500, 8500, and 9500 computers
AppleShare IP 5.0 Note 4	05/23/1997	Mac OS 7.6 Mac OS 7.6.1	Any Apple Power Macintosh or Apple Workgroup Server with a PowerPC 601, 604, or 604e processor; Not supported on Power Macintosh computers with 603 or 603e processors
AppleShare IP 5.0.1 Note 4	07/16/1997	Mac OS 7.6 Mac OS 7.6.1	Any Apple Power Macintosh or Apple Workgroup Server with a PowerPC 601, 604, or 604e processor; Not supported on Power Macintosh computers with 603 or 603e processors
AppleShare IP 5.0.2 Note 4	10/02/1997	Mac OS 8.0	Any Apple Power Macintosh or Apple Workgroup Server with a PowerPC 601, 604, or 604e processor; Not supported on Power Macintosh computers with 603 or 603e processors
AppleShare IP 5.0.3 Note 4	03/11/1998	Mac OS 8.0 Mac OS 8.1	Any Apple Power Macintosh or Apple Workgroup Server with a PowerPC 601, 604, or 604e processor; Mac OS 8.1 recommended; Not supported on Power Macintosh computers with 603 or 603e processors
AppleShare IP 6.0 Note 4	07/17/1998	Mac OS 8.1	Any Apple Power Macintosh or Apple Workgroup Server with a PowerPC 601, 604, 604e, or G3 processor; Also supported on the Power Macintosh 6500 series; Not supported on Power Macintosh computers with 603 or 603e (except for the Power Macintosh 6500)
AppleShare IP 6.1 Note 4	11/02/1998	Mac OS 8.1 Mac OS 8.5	Any Apple Power Macintosh or Apple Workgroup Server with a PowerPC 601, 604, 604e, or G3 processor; Also supported on the Power Macintosh 6500 series; Not supported on Power Macintosh computers with 603 or 603e (except for the Power Macintosh 6500)
AppleShare IP 6.1.1 Note 4	02/16/1999	Mac OS 8.1 Mac OS 8.5 Mac OS 8.5.1	Any Apple Power Macintosh or Apple Workgroup Server with a PowerPC 601, 604, 604e, or G3 processor; Also supported on the Power Macintosh 6500 series; Not supported on Power Macintosh computers with 603 or 603e (except for the Power Macintosh 6500)
AppleShare IP 6.2 Note 4	04/26/1999	Mac OS 8.6	Any Apple Power Macintosh or Apple Workgroup Server with a PowerPC 601, 604, 604e, or G3 processor; Also supported on the Power Macintosh 6500 series; Not supported on Power Macintosh computers with 603 or 603e (except for the Power Macintosh 6500)
AppleShare IP 6.3	10/28/1999	Mac OS 9.0	Any Apple Power Macintosh computer, iMac, or Macintosh Server with a PowerPC 601, 604, 604e, G3, or single G4 microprocessor, or a Power Macintosh 6500 series computer with a 603e microprocessor; Not supported on dual-processor Power Mac G4 computers or Power Macintosh with 603 or 603e (except for the Power Macintosh 6500)
AppleShare IP 6.3.1	02/09/2000	Mac OS 9.0.3 Mac OS 9.0.4	Any Apple Power Macintosh computer, iMac, or Macintosh Server with a PowerPC 601, 604, 604e, G3, or single G4 microprocessor, or a Power Macintosh 6500 series computer with a 603e microprocessor; Not supported on dual-processor Power Mac G4 computers or Power Macintosh with 603 or 603e (except for the Power Macintosh 6500)
AppleShare IP 6.3.1 ASIP IP Web + File 6.3.2 ASIP Agent Update 6.3.2 ASIP 9.0.4 Update Note 5	12/15/2000	Mac OS 9.0.4	Any Apple Power Macintosh computer, iMac, or Macintosh Server with a PowerPC 601, 604, 604e, G3, or single G4 microprocessor, or a Power Macintosh 6500 series computer with a 603e microprocessor; Not supported on dual-processor Power Mac G4 computers or Power Macintosh with 603 or 603e (except for the Power Macintosh 6500)
AppleShare IP 6.3.3 Note 6	01/31/2001	Mac OS 9.1	Any Apple Power Macintosh computer, iMac, or Macintosh Server released prior to 07/18/2001 with a PowerPC 601, 604, 604e, G3, or G4 microprocessor(s), or a Power Macintosh 6500 series computer with a 603e microprocessor; Not supported on Power Macintosh computers with 603 or 603e (except for the Power Macintosh 6500)
AppleShare IP 6.3.3 v1.2 Note 6	09/05/2001	Mac OS 9.2.1 Mac OS 9.2.2	This version is identical to AppleShare IP 6.3.3 with the only change being updated installer scripts to support Macintosh Server G4 (QuickSilver). More information can be found by searching the WayBack Machine for http://www.os9forever.com/ASIPMoreHistory.html
AppleShare IP 6.3.3 v1.3 Note 6	11/07/2001	Mac OS 9.2.2	This version is identical to AppleShare IP 6.3.3 with the only change being updated installer scripts to support Macintosh Server G4 (QuickSilver 2002). More information can be found by searching the WayBack Machine for http://www.os9forever.com/ASIPMoreHistory.html

Note 1: AppleShare 2.0.1 can be installed on System 6.0 - System 6.0.8 but ships with System 6.0 on the installation disks. More information on how to use AppleShare 2.0.1 with later System 6.0.x versions can be found using Apple Tech Info Library Article 3474 from 1989.

Note 2: AppleShare 4.0.1 supports all 68040-based Macintosh computers except the Macintosh Centris/Quadra 660AV and Quadra 840AV due to an incompatibility. AppleShare is not recommended or supported when using a Power Macintosh Upgrade Card. There is no performance benefit with the Upgrade Card.

Note 3: AppleShare 4.2.1 and 4.2.2 are compatible with Open Transport on PCI and Nubus Power Macintosh computers. These computers should be updated to run System 7.5.5 with the PowerPC Interrupt extension, the 7.5.5 SCSI Server Update, and Open Transport 1.1.1. Mac OS 7.6 is also supported, and does not require the separate updates required for 7.5.5 as they have been rolled into the system.

Note 4: Requires OpenDoc 1.2.1

Note 5: From Apple Tech Article 106121: To update AppleShare IP 6.3 to 6.3.1 components on Mac OS 9.0 to the latest versions available, install the following updates in this order:

1. AppleShare IP Update (version 6.3.1)
2. ASIP IP Web + File 6.3.2
3. AppleShare IP Agent Update (version 6.3.2)
4. Update Mac OS 9 (version 9.0.4)
5. AppleShare IP 9.0.4 Update (version 1.0)

Included in the archive is a UNOFFICIAL full installer for AppleShare IP 6.3.1. This software is identical as AppleShare 6.3.1 Update but has all preinstallation checks removed. This can be useful for clean system software installations on Mac OS 9.0.4.

Note 6: AppleShare IP 6.3.3 provides compatibility for dual-processor Power Mac G4 computers but does not provide multiprocessing performance enhancement.

AppleShare Server Software Versions and Sharing Limitations							
	Pro	IP 5.x & 6.x	4.2 & 4.2.1	4.0.2 & 4.1	3.0.x	2.0.1	File Sharing Note 6
Maximum # of Connected Users	200	250/500 Note 6	250	150	120	50	10
Maximum # of Outstanding Requests	50	-	64	30	15	n/a	5
Maximum # of Open Files	5,000	3,000 Note 2 Note 9	3,000 Note 2	346	346	160	346
Maximum # of Volumes	50	50	50	50	50	16	10
Maximum # of Shared Items	50	100	100	50	50	n/a	10
Maximum # of Users in User and Groups Note 3	8,192	4,096	8,192	8,192	8,192	2,000	100
Maximum # of Group Membership/User	42	42	42	42	42	16	41
Maximum # of Simultaneous File Launches	200	250 Note 1	150 Note 1	150 Note 1	120	app specific	10
Maximum # of Files per Volume	65,536	65,536 Note 8	65,536	65,536	65,536	65,536	65,536
Maximum Volume Size	2 GB	2 TB Note 4 Note 5	4 GB	4 GB	4 GB	2 GB	2 TB Note 4 Note 7
Maximum File Size	2 GB	2 GB	2 GB	2 GB	2 GB	2 GB	2 GB

Note 1: Depends on application and connected users

Note 2: 3,000 instances of 346 unique open files

Note 3: 2,000 recommended

Note 4: Mac OS versions prior to System 7.5 support a maximum volume size of 2 GB. System 7.5 and later support volume sizes in excess of 4 GB. However, because AppleTalk Filing Protocol (AFP) version 2.0 is limited to volume sizes of 4 GB or less, the maximum AppleShare volume size remains 4 GB. (see note below)

Note 5: AFP 2.2 adds support for 2 terabyte volumes. Using AppleShare Client 3.7.2 or newer with AppleShare IP 5.0.2 or newer allows the use of these larger volume sizes.

Note 6: Maximum number of connected users is subject to licensing restrictions. The maximum limit of 500 users is only available in ASIP 6.x and may require additional memory. For details, see article 24624:" AppleShare IP 6: Read Me"

Note 7: Clients will see all the items on the server but the free space reported will never exceed 1.9 GB.

Note 8: ASIP 5.x and 6.x utilize AFP 2.2, which allows for over 4 billion (2^32) shared files on a volume. In practice, the maximum number of shared files will be the same as the maximum number of files that can be stored on the volume. For HFS volumes, this is 65,536 files. For HFS+ volumes this limit will be significantly higher.

Note 9: The limit of 346 unique open files is a limitation of Mac OS versions prior to Mac OS 9. Mac OS 9 and later support up to 8,169 unique open files. AppleShare IP 6.3 and later, when used with Mac OS 9 and later, can support up to 3,000 open files, all of which may be unique (depending on file usage by other parts of the system).

System Software Versions and Compatible AppleShare Client Software	
System Software	Recommended AppleShare Client
System 6.0 through System 7.5	AppleShare Workstation 3.5 Note 1
System 7.5.1 through System 7.5.2	AppleShare Workstation 3.6.5
System 7.5.3 through System 7.5.5	AppleShare Workstation 3.7.4
Mac OS 7.6 through Mac OS 8.0	AppleShare Client 3.8.3
Mac OS 8.1 through Mac OS 9.0.4	AppleShare Client 3.8.6 Note 2
Mac OS 9.1	AppleShare Client 3.8.8
Mac OS 9.2.1	AppleShare Client 3.9

Note 1: AppleShare Workstation (client) software older than version 3.5 for pre-System 6.0 system software versions can be obtained from the AppleShare 1.0 - AppleShare 3.0.1 installer disks. With AppleShare Workstation (client) software older than version 3.5, the maximum volume size is a few hundred kilobytes less than 2 GB. This was fixed in AppleShare Workstation 3.5.

Note 2: AppleShare Client 3.8.6 requires Keychain, part of Mac OS 9, to automatically connect to server volumes at system startup time. Mac OS 8.1 through 8.6 users who rely on this feature may wish to use AppleShare Client 3.8.3 instead.