

AppleShare Client



 Apple Computer, Inc.

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About This Manual

This manual describes the application programming interface for the AppleShare Client, which consists of functions for creating, parsing, and disposing of AFP Universal Resource Locators (URLs) and functions for creating and disposing of shared volume enumerator references and mounting shared volumes.

Conventions Used in This Manual

The Courier font is used to indicate text that you type or see displayed. This manual includes special text elements to highlight important or supplemental information:

Note

Text set off in this manner presents sidelights or interesting points of information. ◆

IMPORTANT

Text set off in this manner—with the word Important— presents important information or instructions. ▲

🔺 WARNING

Text set off in this manner—with the word Warning indicates potentially serious problems. ▲

For more information

The following sources provide additional information that may be of interest to AppleShare developers:

• AppleShare IP Administrator's Manual. Apple Computer, Inc.

■ Inside Macintosh. Apple Computer, Inc.

For information on the programming interface for managing users and groups, see the following publication:

 AppleShare IP 6.3 Developer's Kit: AppleShare Registry Library. Apple Computer, Inc.

For information on the AppleTalk Filing Protocol (AFP), see the following publications:

- AppleShare IP 6.3 Developer's Kit: AppleTalk Filing Protocol. Apple Computer, Inc.
- AppleShare IP 6.3 Developer's Kit: AppleTalk Filing Protocol Version 2.1 and 2.2. Apple Computer, Inc.
- Inside AppleTalk, Second Edition. Apple Computer, Inc.

For information on controlling an AppleShare file server and handling server events, see the following publication:

 AppleShare IP 6.3 Developer's Kit: Server Control Calls and Server Event Handling. Apple Computer, Inc.

For information on AppleShare IP Print Server security mechanisms, see the following publication:

 AppleShare IP 6.3 Developer's Kit: AppleShare IP Print Server Security Protocol. Apple Computer, Inc.

For information on using an AppleShare IP 6.3 file server and Macintosh File Sharing, see the following manuals:

- AppleShare Client User's Manual. Apple Computer, Inc.
- *Macintosh Networking Reference*. Apple Computer, Inc.

AppleShare Client

This document describes the programming interface for the AppleShare Client for versions of the Mac OS greater than Mac OS 8.6. The programming interface provides functions for creating and managing AppleTalk Filing Protocol (AFP) Universal Resource Locators (URLs) that can be used by applications such as the Network Browser. It also provides functions for mounting shared volumes.

Note

Your application should not call any of the functions described in this document at deferred task time. •

The header file for the AppleShare Client programming interface is afpClient.h.

Verifying Library Information

The following functions allow your application to verify that the appropriate version of the AppleShare Client library is available:

- AFPLibraryPresent (page 1-7), which determines whether the AppleShare Client library is available.
- AFPLibraryVersion (page 1-8), which obtains the version of the AppleShare Client library.

AFPLibraryPresent

Determines whether the AFP library is available.

```
Boolean AFPLibraryPresent (void);
```

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function result The AFPLibraryVersion function returns TRUE if the AppleShare Client library is available and FALSE if the library is not available.

DISCUSSION

The AFPLibraryPresent function determines whether the AppleShare Client library is available.

AFPLibraryVersion

Obtains the version of the AppleShare Client library.

UInt32 AFPLibraryVersion (void);

function result The AFPLibraryVersion function returns an unsigned 32-bit value containing the version number. For Mac OS 9.0, the version number is 1.

DISCUSSION

The AFPLibraryVersion function obtains the version number of the AppleShare Client library.

Working with AFP URLs

This section describes functions that create, verify, dispose of, and parse AFP URLs. The functions are:

- NewAFPURL (page 1-9), which creates an AFP URL.
- DisposeAFPURL (page 1-12), which disposes of an AFP URL.
- ISAFPURL (page 1-12), which determines whether a character string is a valid AFP URL.
- ParseAFPURL (page 1-10), which parses an AFP URL into its component parts.

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NewAFPURL

Creates an AFP URL.

char * NewAFPU	JRL (StringPtr protocolName, StringPtr serverNameOrHost StringPtr zoneNameOrNULL, StringPtr uamName StringPtr userName StringPtr password, StringPtr volume, StringPtr path);
protocolName	On input, a value of type StringPtr that points to a string containing the transport protocol. Specify at for AppleTalk or ip for TCP/IP. If protocolName is NULL, TCP/IP is assumed.
serverNameOrHo	On input, a value of type StringPtr that points to a string containing the name or address of the computer that hosts the URL that is being created. The name can be a Network Bind Protocol (NBP) name, a Domain Name System (DNS) name, or an Internet Protocol (IP) address.
zoneNameOrNul ⁻	On input, a value of type StringPtr that points to a string containing the AppleTalk zone in which the computer that hosts the URL resides, or NULL if the computer does not reside in an AppleTalk zone.
uamName	On input, a value of type StringPtr that points to a string containing the name of the User Authentication Module (UAM) that is to be used to authenticate the user specified by the userName parameter.
userName	On input, a value of type StringPtr that points to a string containing the user name that is to be authenticated.
password	On input, a value of type StringPtr that points to a string containing the password that is to be used to authenticate the user specified by the userName parameter.

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AppleShare Client	
volume	On input, a value of type StringPtr that points to a string containing the volume that is to be mounted if authentication is successful.
path	On input, a value of type StringPtr that points to a string containing the pathname for a particular directory or file on the volume specified by the volume parameter. The path should use the forward slash character (/) to delimit the directory and filename components of the path.
function result	The AFPNewURL function returns a pointer to the character string that contains the new AFP URL.

DISCUSSION

The NewAFPURL function creates an AFP URL that can be used by the Network Browser. A properly formatted AFP URL contains all of the information needed to authenticate a user on a particular server, including the transport protocol, the server name, the zone name (if the transport protocol is AppleTalk), the user authentication module that is to be used to authenticate the user, the user name and his or her password, and the volume that is to be mounted.

ParseAFPURL

Parses an AFP URL.

```
OSStatus ParseAFPURL (char * url,
StringPtr protocolName,
StringPtr serverNameOrHost
StringPtr zoneNameOrNULL,
StringPtr uamName
StringPtr userName
StringPtr password,
StringPtr volume,
StringPtr path);
```

Url On input, a pointer to a character string containing an AFP URL previously created by calling NewAFPURL (page 1-9).

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protocolName	On input, a value of type StringPtr that points to a string that is long enough to hold a value of type Str255. On output, protocolName contains the protocol name obtained from the AFP URL specified by the url parameter, or is NULL if url was not created with a protocol name.
serverNameOrH	On input, a value of type StringPtr that points to a string that is long enough to hold a value of type Str255. On output, serverNameOrHost contains the server or host name obtained from the AFP URL specified by the url parameter, or is NULL if url was not created with a server or host name.
zoneNameOrNu]	On input, a value of type StringPtr that points to a string that is long enough to hold a value of type Str255. On output, zoneNameOrNull contains the zone name obtained from the AFP URL specified by the url parameter, or is NULL if url was not created with a zone name.
uamName	On input, a value of type StringPtr that points to a string that is long enough to hold a value of type Str255. On output, uamName contains the UAM name obtained from the AFP URL specified by the url parameter, or NULL if url was not created with the name of a UAM.
userName	On input, a value of type StringPtr that points to a string that is long enough to hold a value of type Str255. On output, userName contains the user name obtained from the AFP URL specified by the url parameter, or NULL if url was not created with a user name.
password	On input, a value of type StringPtr that points to a string that is long enough to hold a value of type Str255. On output, password contains the password obtained from the AFP URL specified by the url parameter, or NULL if url was not created with a password.
volume	On input, a value of type StringPtr that points to a string that is long enough to hold a value of type Str255. On output, volume contains the volume name obtained from the AFP URL specified by the url parameter, or NULL if url was not created with a volume name.

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path	On input, a value of type StringPtr that points to a string that is long enough to hold a value of type Str255. On output, path contains the path obtained from the AFP LIPL specified by the
	url parameter, or NULL if url was not created with a path.
function result	A result code. For a list of possible result codes, see "Result Codes" (page 27).

DISCUSSION

The ParseAFPURL function obtains the values that were used to create an AFP URL.

DisposeAFPURL

Disposes of an AFP URL. void DisposeAFPURL (char * url); url On input, a pointer to a character string that contains an AFP URL previously created by calling NewAFPURL (page 1-9). function result None.

DISCUSSION

The DisposeAFPURL function releases memory associated with an AFP URL. Your application should call DisposeAFPURL when an AFP URL is no longer needed.

IsAFPURL

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Verifies an AFP URL.

Boolean IsAFPURL (char * url); url On input, a pointer to a character string that contains an AFP URL previously created by calling NewAFPURL (page 1-9). AppleShare Client

function result The ISAFPURL function returns TRUE if the url parameter points to an AFP URL and FALSE if it does not.

DISCUSSION

The ISAFPURL function verifies that a character string is a properly formatted AFP URL.

Mounting Volumes

This section describes the functions that an application uses to mount AppleShare volumes. The functions described in this section have no dependency on any particular version of AppleShare.

The functions are:

- AFPCreateSharedVolumesEnumerator (page 1-14), which creates a shared volume enumerator reference containing the names of the volumes that a user has permission to mount.
- AFPGetIndexedSharedVolume (page 1-18), which obtains the name of a shared volume by its index number.
- AFPSortSharedVolumes (page 1-19), which sorts the list of volumes in a shared volume enumerator reference.
- AFPMountSharedVolume (page 1-20), which mounts a shared volume.
- AFPGetLoginInformation (page 1-21), which obtains the log on type (Guest or registered user). If the user is a registered user, AFPGetLoginInformation also obtains the user's name and password.
- AFPGetMountAtStartup (page 1-22), which obtains the startup mounting state of a shared volume.
- AFPSetMountAtStartup (page 1-22), which sets the startup mounting state of a shared volume.
- AFPDeleteSharedVolumesEnumerator (page 1-23), which disposes of a shared volume enumerator reference created by AFPCreateSharedVolumesEnumerator.

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AFPCreateSharedVolumesEnumerator

Creates an enumerator reference for volumes on an AppleShare server.

```
OSStatus AFPCreateSharedVolumesEnumerator (
                      StringPtr serverName.
                      StringPtr serverZone,
                      StringPtr uamName.
                      StringPtr userName,
                      StringPtr password,
                      AShareEventUPP callback.
                      void *evtContext.
                      ATFilterProc filter.
                      void *filterParam.
                      ATNotifyProcPtr notifier,
                      void * contextPtr;
                      AFPSharedVolumesEnumeratorRef * Ref);
               On input, a value of type StringPtr that points to a string
serverName
               containing the name of the AppleShare server for which the
               shared volume enumerator reference is being created. For TCP/
               IP connections, serverName should be the DNS name of the
               server.
server7one
               On input, a value of type StringPtr that points to a string
               containing the name of the AppleTalk zone in which the server
               specified by serverName resides. For TCP/IP connections, set
               serverZone to NULL. If the user logs on to a server using
               AppleTalk as the transport protocol, the enumerator reference
               created by AFPCreateSharedVolumesEnumerator is updated with
               the name of the zone in which serverName resides.
uamName
               On input, a value of type StringPtr that points to a string
               containing the name of the UAM to use when authenticating the
               user identified by the userName parameter, or NULL. If uamName is
               NULL and if the user provides a name in the log on dialog box,
               that is displayed by calling AFPGetSharedVolumesCount (page 17)
               the enumerator reference is updated with the name of the UAM
               that authenticated the user.
```

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userName	On input, a value of type StringPtr that points a string containing the name of the user to authenticate, or NULL. If userName is NULL and if the user enters a name in the log on dialog box that is displayed by calling AFPGetSharedVolumesCount (page 17), the enumerator reference is updated with the name that the user entered.
password	On input, a value of type StringPtr that points to a string containing the password that is to be used to authenticate the user name specified by the userName parameter, or NULL. If password is NULL and if the user enters a password in the log on dialog box that is displayed by calling AFPGetSharedVolumesCount (page 17), the enumerator reference is updated with the password that the user entered.
callback	On input, a value of type <code>AShareEventUPP</code> that points to an application-defined system event callback routine (page 1-26) that handles events that occur while <code>AFPGetSharedVolumesCount</code> (page 1-17) or other AppleShare Client library functions display dialog boxes, or <code>NULL</code> . If <code>callback</code> is <code>NULL</code> , the calling application will not receive update events while these dialog boxes are displayed.
evtContext	On input, an untyped pointer to arbitrary data that AFPCreateSharedVolumesEnumerator passes to the application-defined system event callback routine specified by callback, or NULL. Your application can use evtContext to associate the invocation of your system event callback routine with any particular enumerator reference.
filter	On input, a value of type ATFilterProc that identifies an optional application-defined filter routine (page 1-25) that can be used to control the volumes that are included in the enumerator reference, or NULL to match all volumes.
filterparam	On input, an untyped pointer to arbitrary data that AFPCreateSharedVolumesEnumerator passes to the filter routine specified by filter, or NULL. Your application can use filterparam to associate the invocation of your filter routine with any particular enumerator reference.

C H A P T E R 1 AppleShare Client	
contextPtr	On input, an untyped pointer to arbitrary data that AFPCreateSharedVolumesEnumerator passes to the notification routine specified by the notifier parameter. Your application can use contextPtr to associate the invocation of your notification routine with any particular enumerator reference.
ref	On input, a value of type AFPSharedVolumesEnumerator. On output, ref points to the enumerator reference created by AFPCreateSharedVolumesEnumerator.
function result	A result code. For a list of possible result codes, see "Result Codes" (page 27).

DISCUSSION

The AFPCreateSharedVolumesEnumerator function creates a shared volume enumerator reference that can be passed as a parameter to AFPGetSharedVolumesCount, AFPGetIndexedSharedVolume, AFPSortSharedVolumes, and AFPMountSharedVolumes.

Passing the enumerator reference to AFPGetSharedVolumesCount (page 17) obtains the number of volumes that the user has permission to mount.

Passing the enumerator reference and an index number to AFPGetIndexedSharedVolume (page 18) obtains the name of the volume that is associated with the specified index number.

Passing the enumerator reference to AFPSortSharedVolumes (page 19) returns a sorted list of volume names. If your application needs to allow the user to select one or more volumes for mounting, it can display the sorted list in a dialog box.

Passing the enumerator reference to AFPMountSharedVolumes (page 20) and the name of a volume causes the specified volume to be mounted.

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IMPORTANT

Whenever AFPCreateSharedVolumeEnumerator (page 1-14) returns without error, it creates an enumerator reference that maintains a separate session with the AppleShare server in addition to sessions for any of that server's volumes. As soon as you know that the enumerator reference is no longer needed, you should dispose of the enumerator reference by calling AFPDeleteSharedVolumesEnumerator (page 1-21), closes this unnecessary session and releases system resources. ▲

AFPGetSharedVolumesCount

Obtains the number of shared volumes that the user has permission to mount.

```
OSStatus AFPGetSharedVolumesCount (
                      AFPSharedVolumesEnumeratorRef ref.
                       Boolean *allfound.
                      UInt32 *count);
               On input, a value of type AFPSharedVolumesEnumeratorRef
ref
               created by previously calling AFPCreateSharedVolumeEnumerator
               (page 1-14) that represents an AppleShare server.
allfound
               On input, a pointer to a Boolean value. On output, allfound
               points to a value that is TRUE if all volumes have been counted
               and that is FALSE if AFPGetSharedVolumesCount is still counting. If
               allfound is FALSE, call AFPGetSharedVolumesCount again until
               allfound is TRUE.
count
               On input, a pointer to an unsigned 32-bit integer. On output,
               count points to a value that contains the current count of the
               number of volumes the user has permission to mount.
function result A result code. For a list of possible result codes, see "Result
               Codes" (page 27).
```

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DISCUSSION

The AFPGetSharedVolumesCount function returns the number of volumes that a the user has permission to mount. Once an application obtains the number of volumes that the user has permission to mount, it can call AFPGetIndexedSharedVolume (page 1-18) to obtain the name of each volume by its index number.

If the shared volume enumerator reference specified by ref does not contain a user name or password, AFPGetSharedVolumesCount causes a log on dialog box to be displayed. The log on dialog box allows the user to log in as Guest or as a registered user with an optional password. After the user enters this information, the enumerator reference is updated with log on type (Guest or registered user) and the name and password (if any) the user entered.

Obtains the name of a shared volume by its index number

AFPGetIndexedSharedVolume

Obtains the na	obtains the name of a shared volume by its index number.	
OSStatus AFPGetIndexedSharedVolume (AFPSharedVolumesEnumeratorRef ref,		
	OneBasedIndex index,	
	StringPtr volumeName);	
ref	On input, a value of type AFPSharedVolumesEnumeratorRef created by previously calling AFPCreateSharedVolumeEnumerator (page 1-14) that represents the AppleShare server that shares the volume whose name is to be obtained.	
index	On input, a value of type OneBasedIndex that specifies the index number. Call AFPGetSharedVolumesCount (page 1-17) to determine the highest valid value of index. The lowest value of index is 1.	
volumeName	On input, a value of type StringPtr. On output, volumeName points to the name of the volume that corresponds to the specified index value.	
function result	A result code. For a list of possible result codes, see "Result Codes" (page 27).	

AppleShare Client

DISCUSSION

The AFPGetIndexedSharedVolume function obtains the name of a volume by its index number. To determine the highest possible index number, call AFPGetSharedVolumesCount (page 1-18).

Once you obtain the name of a volume, you can sort the list of volume names by calling AFPSortSharedVolumes (page 19) and you can mount a particular volume by calling AFPMountSharedVolumes (page 20).

AFPSortSharedVolumes

Sorts the names of shared volumes.

OSStatus AFPS	ortSharedVolumes (AFPSharedVolumesEnumeratorRef ref);
ref	On input, a value of type AFPSharedVolumesEnumeratorRef created by previously calling AFPCreateSharedVolumeEnumerator (page 1-14).
function result	A result code. For a list of possible result codes, see "Result Codes" (page 27).

DISCUSSION

The AFPSortSharedVolumes function sorts the list of volumes in a shared volume enumerator reference using the binary presentation of the characters that make up each volume name in ascending order.

AppleShare Client

AFPMountSharedVolumes

Mounts a shared volume.

OSStatus AFPM	ountSharedVolumes (AFPSharedVolumesEnumeratorRef ref, Str255 volumeName, short *volumeRefNum, Boolean *isMounted);
ref	On input, a value of type AFPSharedVolumesEnumeratorRef created by previously calling AFPCreateSharedVolumeEnumerator (page 1-14).
volumeName	On input, a value of type Str255 that specifies the name of the volume that is to be mounted. Call AFPGetIndexedSharedVolume (page 18) to obtain the volume name.
volumeRefNum	On input, a pointer to a value of type short. On output, volumeRefNum points to a unique volume reference number that your application can use to refer to the volume when it sends AppleTalk Filing Protocol commands to the server.
isMounted	On input, a pointer to a Boolean. On output, isMounted is set to TRUE if the volume was already mounted prior to calling AFPMountSharedVolumes, or is set to FALSE if the volume was not already mounted.
function result	A result code. For a list of possible result codes, see "Result Codes" (page 27).

DISCUSSION

The AFPMountSharedVolumes function mounts the specified shared volume. If a volume is already mounted and if the isMounted parameter is TRUE, AFPMountSharedVolumes returns an error.

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AFPGetLoginInformation

Obtains log on information from a shared volume enumerator reference.

OSStatus AFPG	etLoginInformation (
	AFPSharedVolumesEnumeratorRef ref,
	Boolean * isGuest,
	Str255 userName,
	Str255 password);
ref	On input, a value of type AFPSharedVolumesEnumeratorRef created by previously calling AFPCreateSharedVolumeEnumerator (page 1-14) that has been used to log a user into an AppleShare server.
isGuest	On input, a pointer to a Boolean value. On output, isGuest points to a value that is TRUE if the user chose to log on as Guest or FALSE if the user chose to log on as a registered user.
userName	On input, a value of type Str255. On output, userName contains the name the user typed in the Name text box of the log on dialog box displayed by AFPGetSharedVolumesCount.
password	On input, a value of type Str255. On output, password contains the password (if any) the user typed in the Password text box of the log on dialog box displayed by AFPGetSharedVolumesCount.
function result	A result code. For a list of possible result codes, see "Result Codes" (page 27).

DISCUSSION

The AFPGetLoginInformation obtains log on information from an enumerator reference that has been used to log a user on to an AppleShare server.

If a session with the server was active when the ref parameter was created, the userName and password parameters are empty when AFPGetLoginInformation returns. If the user selected a custom user authentication method (UAM) when using ref to log on, the password parameter is empty when AGPGetLoginInformation returns.

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Note

You must call AFPGetSharedVolumesCount before calling AFPGetLoginInformation. ◆

AFPGetMountAtStartup

Obtains a volume's startup mount information.

OSStatus AFPG	etMountAtStartup (
	AFPSharedVolumesEnumeratorRef * ref,
	StringPtr volumeName);
ref	On input, a pointer to a value of type
	AFPSharedVolumesEnumeratorRef created by previously calling AFPCreateSharedVolumeEnumerator (page 1-14).
volumeName	On input, a value of type $\ensuremath{\texttt{StringPtr}}$ that points to the name of the volume.
function result	A result code whose value is noErr if the volume is set to be mounted at startup and whose value is nsvErr if the volume is not set to be mounted at startup.

DISCUSSION

The AFPGetMountAtStartup function obtains the startup mount information for a volume as set in the specified shared volume enumerator reference.

AFPSetMountAtStartup

Sets a volume's startup mount information.

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ref	On input, a pointer to a value of type AFPSharedVolumesEnumeratorRef created by previously calling AFPCreateSharedVolumeEnumerator (page 1-14) that identifies the volume that is to be set.
volumeName	On input, a value of type StringPtr that points to the name of the volume whose startup mount information is to be set.
toMount	On input, a Boolean whose value is TRUE if the volume is to be mounted when the computer starts up or FALSE if the volume is not to be mounted at startup.
function result	A result code whose value is noErr if the volume's startup mounting information was successfully set. For a list of possible result codes, see "Result Codes" (page 27).

DISCUSSION

The AFPSetMountAtStartup function updates the specified shared volume enumerator reference with the latest startup mount information for a volume.

AFPDeleteSharedVolumesEnumerator

Disposes of a shared volume enumerator reference	Dispo	oses of a	shared v	/olume	enumerator	reference
--------------------------------------------------	-------	-----------	----------	--------	------------	-----------

	AFPSharedVolumesEnumeratorRef * ref);
OSStatus	AFPDeleteSharedVolumesEnumerator (

- ef On input, a pointer to a value of type AFPSharedVolumesEnumeratorRef created by previously calling AFPCreateSharedVolumeEnumerator (page 1-14).
- *function result* A result code. For a list of possible result codes, see "Result Codes" (page 27).

DISCUSSION

The AFPDeleteSharedVolumesEnumerator function disposes of a shared volume enumerator reference and deallocates memory that has been allocated for it.

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You should dispose of the enumerator reference as soon as it has fulfilled its purpose of mounting shared volumes.

Whenever AFPCreateSharedVolumeEnumerator (page 1-14) returns without error, it creates an enumerator reference that maintains a separate session with the AppleShare server in addition to sessions for any of that server's volumes. Disposing of the enumerator reference closes this unnecessary session and releases system resources.

Note

The AFPDeleteSharedVolumesEnumerator function deallocates memory, so your application should call it during main event time. ◆

AppleShare Client Application-Defined Routines

This section describes three application-defined routines that your application can provide when it calls AFPCreateSharedVolumesEnumerator:

- A notification callback routine that is called when the host name specified as a parameter to AFPCreateSharedVolumesEnumerator is resolved into an IP address.
- A filter callback routine that is called to control the display of volume names.
- A system event callback routine that is called when update events occur while an AppleShare Client function displays a dialog box.

Notification Callback Routine

Your notification callback routine is called when the host name specified as an parameter to AFPCreateSharedVolumesEnumerator is resolved into an IP address.

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This is how you would declare your notification callback routine if you were to name it MyURLNotifyProc:

```
OSStatus ATNotifyProcPtr (
void* userContext,
ATEventCode code,
OSStatus result,
void *cookie);
```

- userContext
 An application-defined value that your application previously passed as the contextPtr parameter when it called AFPCreateSharedVolumesEnumerator (page 14).
 code
 A value of type ATEventCode specifying the event that triggered the callback. The value of code is AT_SHAREDVOLUMES_COMPLETE.
 result
 A value of type OSStatus. A value of noErr indicates that the AFPCreateSharedVolumesEnumber successfully created a shared volume enumerator reference.
 cookie
 An untyped pointer to arbitrary data. For details about cookie,
- see Inside Macintosh: Networking with Open Transport.resultYour notification callback routine should always return noErr.

DISCUSSION

Your notification callback routine should use the userContext parameter to determine which enumerator reference has been successfully created. Your application can then pass the enumerator reference to AFPGetSharedVolumesCount (page 17) to determine the number of volumes that the server identified by the enumerator reference shares.

Filter Callback Routine

Your filter callback routine is called to control the display of volume names. This is how you would declare your filter callback routine if you were to name it MyFilterProc.

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name	A value of type StringPtr that points to a volume name.
data	An untyped pointer to arbitrary data that your application passed as the filterParam parameter when it called AFPCreateSharedVolumesEnumerator (page 14).
result	Your filter callback routine should return TRUE to display the volume name and FALSE to prevent the volume name from being displayed.

DISCUSSION

Your filter callback routine should determine whether the volume identified by name should be displayed.

System Event Callback Routine

Your system event callback routine is called to handle update events that may occur while AFPGetSharedVolumesCount (page 17) displays the log on dialog box. Here is how you would declare your system event callback routine if you were to name it MyAShareEventUPP.

theEventA pointer to an event record that describes the event that
occurred.eventAn untyped pointer to arbitrary data that your application
passed as the evtContext parameter when it called
AFPCreateSharedVolumesEnumerator (page 14). For more
information on the EventRecord structure see Inside Macintosh:
Overview.resultYour system event callback routine should process the system
event and return noErr.

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DISCUSSION

Your system event callback routine may be called to handle events that occur while AFPGetSharedVolumesCount (page 17) displays the log on dialog box. Your system event callback routine should process the event and return noErr.

Result Codes

The result codes specific to the AppleShare Client API are listed here.

kATEnumeratorBadIndexErr	1	The specified index number is in valid.
kATEnumeratorBadReferenceErr	2	The specified enumerator reference is invalid.
kATEnumeratorBadZoneErr	3	The specified AppleTalk zone could not be found.
kATEnumeratorBadPortErr	4	The port number is not correct.
kATAppleShareNotAvailableErr	5	The server is not accepting connections.
kATServerNotFoundErr	6	The server could not be located.

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