

**ASPOpenSession**      Initiate a workstation/server session

#include <AppleTalk.h>

**AppleTalk Manager**

OSErr      **ASPOpenSession**(*xParamBlock*, *async*);  
XPPParmBlkPtr *xParamBlock*; pointer to an AppleTalk parameter block  
Boolean      *async*;      0=await completion; 1=immediate return  
**returns**      Error Code; 0=no error

**ASPOpenSession** initiates a session between a workstation and a server.

*xParamBlock* is a pointer to a parameter block structure. The relevant fields are as follows:

<u>Out-InName</u>	<u>Type</u>	<u>Size</u>	<u>Offset</u>	<u>Description</u>
← csCode	<u>short</u>	2	26	Always <b>ASPOpenSession</b>
← sessRefnum	<u>short</u>	2	28	Session reference number
← aspTimeout	<u>char</u>	1	30	Retry interval in seconds
← aspRetry	<u>char</u>	1	31	Number of retries
← serverAddr	<u>long</u>	4	32	Server socket address
← scbPointer	<u>Ptr</u>	4	36	Pointer to session control block
← attnRoutine	<u>Ptr</u>	4	40	Pointer to attention routine

*async* is a Boolean value. Use FALSE for normal (synchronous) operation or TRUE to enqueue the request and resume control immediately. See Async I/O.

**Returns:** an operating system Error Code. It will be one of:

aspBadVersNum	(-1066)	Sever cannot support the offered version number
aspNoMoreSess	(-1068)	Driver cannot support another session
aspNoservers	(-1069)	No servers at that address, or the server did not respond to the request
aspParamErr	(-1070)	Server returned bad (positive) error code
aspServerBusy	(-1071)	Server cannot open another session
reqAborted	(-1105)	OpenSess was aborted by an AbortOS

Notes: SessRefnum is a unique number identifying the open session between the workstation and the server. The SessRefnum is returned when the function completes successfully and is used in all calls to identify the session.

ASPTIMEOUT is the interval in seconds between retries of the open session request.

ASPRETRY is the number of retries that will be attempted.

ServerAddr is the network identifier or address of the socket on which the server is listening.

SCBPointer points to a nonrelocatable block of data for the session control block (SCB) that the .XPP driver reserves for use in maintaining an open session. The SCB size is defined by the constant scbMemSize. The SCB is a locked block and as long as the session is open, the SCB cannot be modified in any way by the application. There is one SCB for each open session. This block can be reused when an **ASPCloseSession** call is issued and completed for that session, or when the session is indicated as closed through return of aspParamErr as the result of a call for that session.

AttnRoutine is a pointer to a routine that is invoked if an attention from the server is received, or upon session closing. If this pointer is equal to zero, no attention routine will be invoked.

The number of sessions that the driver is capable of supporting depends on the machine that the driver is running on.