

GetLocalZones

Get AppleTalk zone names on the local network

#include <AppleTalk.h>

AppleTalk Manager

```

OSErr      GetLocalZones(thePBptr, async);
XPPParamBlkPtr thePBptr;    pointer to an XPPParamBlock structure
Boolean    async;           0=await completion; 1=immediate return
           returns         Error Code; 0=no error

```

GetLocalZones returns a list of all the zone names on the local network—that is, the network that includes the node on which your application is running.

thePBptr is a pointer to an XPPParamBlock structure. The relevant fields are as follows:

<u>Out-InName</u>	<u>Type</u>	<u>Size</u>	<u>Offset</u>	<u>Description</u>
← ioResult	<u>short</u>	2	16	Result code
→ csCode	<u>short</u>	2	26	Routine selector; always xCall
→ xppSubCode	<u>short</u>	2	28	Routine selector; zipGetMyZone
→ xppTimeOut	<u>char</u>	1	30	Retry interval in seconds
→ xppRetry	<u>char</u>	1	31	Retry count
→ zipBuffPtr	<u>long</u>	4	34	Pointer to data buffer
← zipNumZones	<u>short</u>	2	38	Number of names returned
→ zipLastFlag	<u>char</u>	1	40	Nonzero if no more names
→ zipInfoField	70 bytes	70	42	For use by ZIP; first word set to 0

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:

noErr	(0)	No error
noRouterErr	(-93)	No Router is available
reqFailed	(-1096)	Request to contact router failed; retry count exceeded
tooManyReqs	(-1097)	Too many concurrent requests
noDataArea	(-1104)	Too many outstanding ATP calls

Notes: The ioResult field returns the result of the function. If you call the function asynchronously, the function sets this field to 1 as soon as it begins execution, and it changes the field to the actual result code when it completes execution. The csCode and xppSubCode fields are routine selectors and are automatically set by the high-level language interface to xCall and zipGetLocalZones for this function. The xppTimeOut field specifies the amount of time, in seconds, that **The .ATP Driver** should wait between attempts to obtain the data. A value of 3 or 4 for the xppTimeOut field generally gives good results. The xppRetry field specifies the number of times **The .ATP Driver** should attempt to obtain the data before returning the reqFailed (request failed) result code. A value of 3 or 4 for the xppRetry field usually works well.

The zipBuffPtr field is a pointer to a 578-byte data buffer that you must allocate. ZIP returns the zone names into this buffer as a packed array of high-level language strings. The zipNumZones parameter returns the number of zone names that ZIP placed in the data buffer.

The .XPP Driver sets the zipLastFlag field to 1 if there are no more zone names for your network. If the zipLastFlag field is still 0 when the **GetLocalZones** function has completed execution, you must empty the data buffer pointed to by the zipBuffPtr parameter and immediately call the **GetLocalZones** function again without changing the value in the zipInfoField parameter. The zipInfoField parameter is a 70-byte data buffer that you must allocate for use by ZIP. You must set the first word of this buffer to 0 before you call the **GetLocalZones** function the first time, and you must not change the contents of this field thereafter.