

GetMyZone

Get AppleTalk zone name

#include <AppleTalk.h>

AppleTalk Manager

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

GetMyZone returns only the AppleTalk zone name of the node on which the application is running.

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

<u>Out-In Name</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
→ 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
noBridgeErr	(-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 **GetMyZone** function returns only the AppleTalk zone name of the node on which your application is running.

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 zipGetMyZone 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 33-byte data buffer that you must allocate. ZIP returns the zone name into this buffer as a high-level language string. The zipInfoField field 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 **GetMyZone** function.

```
//Using the GetMyZone function
// Assuming inclusion of <MacHeaders>

#include <AppleTalk.h>

void doGetMyZone (void);
void DoError (OSErr myErr);

void doGetMyZone ()
{
    XPPParamBlock myXPPPB;//.XPP parameter block
    char myZoneName[33];
    OSErr myErr;

    myXPPPB.XCALL.xppTimeout = 3; // timeout period for .XPP
    myXPPPB.XCALL.xppRetry = 4; // retry count
    myXPPPB.XCALL.zipBuffPtr = myZoneName;// zone name returned
                                           // here
    myXPPPB.XCALL.zipInfoField[0] = 0;
    myXPPPB.XCALL.zipInfoField[1] = 0; // first word is 0 the first
                                           // time through

    myErr = GetMyZone(&myXPPPB, FALSE);
    if (myErr != noErr)
        DoError(myErr);

    //there's an error
}
```