AEGetParamPtr   Access Apple Event parameters

#include <AppleEvents.h>   **Apple Event Manager**

OSErr   **AEGetParamPtr (***theAppleEvent, theAEKeyword, desiredType,*
                          typeCode, dataPtr, maximumSize, actualSize **)** **;**

AppleEvent	*theAppleEvent* ;	Apple event record
AEKeyword	*theAEkeyword* ;	Apple Event keyword
DescType	*desiredType* ;	Descriptor type
DescType	*typeCode* ;	pointer to descriptor type
Ptr	*dataPtr* ;	pointer to data buffer
Size	*maximumSize* ;	maximum size of data buffer
Size	*actualSize* ;	actual size of data field
	returns	Error Code; 0 = no error

You can use the **AEGetParamPtr** function to get a pointer to a buffer that contains the data from a specified Apple event parameter.

You use the **AEGetParamPtr** and **AEGetParamDesc** functions to gain access to the parameters of an Apple event. You use the **AEGetAttributePtr** and **AEGetAttributeDesc** functions to gain access to the attributes of an Apple event.

The **AEGetParamPtr** function uses a buffer to return the data from a specified Apple event.parameter, which it attempts to coerece to the descriptor type specified by the *desiredType* parameter.

The parameter *theAppleEvent* is the Apple event containing the desired parameter.

The parameter *theAEKeyword* is the keyword that specifies the desired parameter.

The *desiredType* parameter specifies the descriptor type of the resulting data; if the desired parameter is not of this type, the **Apple Event Manager** attempts to coerce it into this type. If the value of *desiredType* is typeWildCard, no coercion is performed, and the descriptor type of the returned data is the same as the descriptor type of the parameter. The returned data's descriptor type is returned in the *typeCode* parameter.

The *dataPtr* parameter is a pointer to the buffer for storing the returned data.

The *maximumSize* parameter is the maximum length, in bytes, of the data to be returned. You must allocate at least this amount of storage for the buffer specified by the *dataPtr* parameter.

The **AEGetParamPtr** function returns in the *actualSize* parameter the actual length, in bytes, of the data for *theAppleEvent* parameter. If this value is larger than the value of *maximumSize*, not all of the data for *theAppleEvent* parameter was returned.

Result codes

noErr	(0)	No error
memFullErr	(-108)	Not enough room in heap zone
errAECoercionFail	(-1700)	Data could not be coerced to descriptor type
errAEDescNotFound	(-1701)	Descriptor record was not found
errAEWrongDataType	(-1703)	Wrong descriptor type

errAENotAEDesc   (-1704)   Not a valid <u>descriptor record</u>
errAEReplyNotArrived (-1718)   <u>Reply</u> has not yet arrived