
Subject: ActiveX parameter by reference

Posted by [b_gom](#) on Mon, 26 Jul 2004 20:31:09 GMT

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I'm having trouble with calling an ActiveX method that expects a parameter to be passed by reference. All other methods in the object work properly, but I get a type mismatch error when trying to pass a parameter by reference.

here is the interface description for the object from the OLE/COM object viewer:

```
-----  
dispinterface _DA32Control {  
    properties:  
    ...  
    methods:  
    ...  
    [id(0x00000018)]  
    long GetAliveMask(long* pdwAliveMask);  
    ...  
};  
-----
```

In IDL, when I try calling the method by passing an existing long variable as a parameter, I get this error:

```
mask = 1L  
result = A32Control -> GetAliveMask(mask)  
returns:  
%  
IDLCOMACTIVEX$CLSID$A4E2DC53_1A67_11D6_A2CE_0001022E1B44::GE TALIVEMASK:  
Unable to call method GETALIVEMASK. Error with parameter 1.  
Type mismatch.
```

I've also tried all other data types, as well as defining 'mask' as a single element array and as a pointer:

```
Mask=0L  
Pmask=ptr_new(mask)  
result = A32Control -> GetAliveMask(pmask)  
returns:  
%  
IDLCOMACTIVEX$CLSID$A4E2DC53_1A67_11D6_A2CE_0001022E1B44::GE TALIVEMASK:  
Pointer expression not allowed in this context: PMASK.
```

What do I pass to the IDLcomIDispatch object to satisfy the expected long* type?

Thanks

Brad Gom
