
Subject: Re: structure arguments sometimes behave like value types - why?

Posted by [David Fanning](#) on Fri, 20 Apr 2007 21:26:17 GMT

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justspam03@yahoo.de writes:

- > according to the IDL reference, structures (as a whole) are treated
- > like reference types when supplied as an argument. A small test
- > program of the kind
- > confirms this - after the call to changeval, a.value has value '4'.
- > However, when the structure is an object variable as in the example
- > appended below, it seems that only a copy of structtest.val is
- > exchanged, not a reference to it. The final call to printValue in
- > 'main' prints a '1'.
- > Could someone please explain why?

In one case you are passing an IDL variable, which is passed by reference. In the other you are passing a structure reference, which is NOT an IDL variable, and like everything else that is NOT an IDL variable, is passed by value:

http://www.dfanning.com/tips/read_subscripted_array.html

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")
