

Re: OS Question

Source:

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"Hugogleaves@xxxxxxxxxx" <hugh<underbar> wrote in message
news:2A136AC4-76AD-4404-B0C1-67E6EC6BC15E@xxxxxxxxxxxxxxxxxx

Hi

This isnt strictly about a driver issue, but many driver coders may have insights.

Basically we plan to user some of the Interlock functions (exchange, exchange compare etc) as the basis for a simple fast lock (not in driver code though).

However, we are also placing the integer values in pages that have had their access set to Read Only. Currently when code attempts to write to such a page we trap the exception, run a few checks and then update the page to have Write access.

This is all standard stuff, BUT if we locate an integer in such a page AND try to use an interlock exchnage kind of function on it, it raises an interesting question.

The interlock operations are defined as being unerruptible BUT if they are in a ReadOnly page the operation WILL be interrupted (by the exception that prevents writes to read only pages).

So would it work or not??

Any insights much appreciated.

PS: We are using XP, Vista, Server 2003 and 2008 both 32-bit and 64-bit.

Ok I'll try to answer this, as there's still no other replies.

Interlocked... functions do work with variables in pageable memory. If these can be interrupted by paging operations, they can be interrupted by other resumable exceptions as well; so it will work exactly in same way.

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Regards,
—PA

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