
Subject: Re: maximum LUN

Posted by [David Fanning](#) on Mon, 24 Nov 2008 14:51:46 GMT

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greg.addr@gmail.com writes:

- > I'm running out of IDL-allocated LUNs in my current program, the
- > maximum being 28. I can write a new get_lun to make use of the the
- > hundred lower values, but even 128 seems rather measly for 2008. Is
- > there any reason why this number couldn't be larger?

What reason could there possibly be for having hundreds of files open simultaneously? The only thing that comes immediately to mind for me is a poor programming concept. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

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

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

Subject: Re: maximum LUN

Posted by [greg.addr](#) on Mon, 24 Nov 2008 16:00:42 GMT

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- > What reason could there possibly be for having hundreds
- > of files open simultaneously? The only thing that comes
- > immediately to mind for me is a poor programming concept. :-)

I kind of expected that reply... :) I think I do have a valid application, though. I have an archive of a few thousand satellite images, each of which has 6 bands, stored in separate files. I've made an object which can handle the six bands and return a subset image for a selected region processed as I want it. It also returns the image's coverage of the region, so that I can fill in any gaps with data from other images. This I do by opening further image objects. So far, I can use four of these to make an on-the-fly mosaic before I run out of LUNs - and it works well up to that point. The program allows zooming and panning, so I need repeat access to similar regions of the same files. I think it would be too slow to close and reopen them every time, so the objects hold the files open. The archive is several terabytes, changing, and not in my control - so preprocessing is out. With 128 LUNs instead of 28 I could mosaic about 20 image subsets, which will be enough for the moment. Still, if the number 128 was just

an arbitrary choice long ago, I'd like to ask early for a bigger one!

cheers,
Greg

Subject: Re: maximum LUN

Posted by [Vince Hradil](#) on Mon, 24 Nov 2008 17:19:52 GMT

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On Nov 24, 10:00 am, greg.a...@gmail.com wrote:

> files. I think it would be too slow to close and reopen them every
> time, so the objects hold the files open.

Have you tried it? I'd be surprised if that's true - but then, I've
been surprised before. ;^)

Subject: Re: maximum LUN

Posted by [R.Bauer](#) on Mon, 24 Nov 2008 18:30:31 GMT

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greg.addr@gmail.com schrieb:

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>
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> Greg

>
>

close and open costs nothing. The code between both lines can be efficient or not.

cheers
Reimar
