Subject: Re: Memory leak in IDL hdf5 library?
Posted by Eddie Schlafly on Mon, 24 Jan 2011 20:50:50 GMT
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Thanks for your help, David.

David Fanning writes:
> I don't notice any change on my Windows machines with or without this
> extra "close" statement, but I wonder if it would make a difference for
> you?

I take it that you don't see any leak under Windows?

Thanks for pointing out h5_close! I just followed the example files from the hdf5 documentation, which didn't used h5_close.

If I add an h5_close at the end of ex_read_hdf5 and ex_create_hdf5, I no longer leak memory. If, however, I just try to h5_close when I'm done reading in a bunch of files, I still leak.

Adding h5_close, however, doesn't change the problem I am having where the amount of memory used is many times the size of the file being read in. The ~40K file I am reading in ends up reading in to about 50 MB of memory, which is freed by the h5_close. The files are also slower to read in than I would expect. If I write out a structure with a zero in it, rather than a nested structure with a zero in it, things read in quickly and no memory is leaked, even without h5_close.

Thanks a lot,

Eddie Schlafly