Subject: Re: IDL demo bug in 5.6 on MAC OS 10.2. YES is is broken
Posted by Karl Schultz on Fri, 31 Jan 2003 17:30:08 GMT
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"Michele Zundo" <michele.zundo@esa.int> wrote in message
news:48b094e1.0301310126.a459b8a@posting.google.com...
> Yes, I can confirm it.
>
> IDL 5.6 demo crashes on all our machines (ranging from G3 iBook to G4
> desktop).
>
> Our setup :
>
> MacOS 10.2.3
> X11 libraries from Apple (not XDarwin but it should be the same)
> IDL 5.6
>
> How to make it crash:
>
> 1) start X11
> 2) type in Xterm   mypath/idl/idldemo
> 3) the demo windows starts OK but some of the demo e.g. Orbiting
> Satellite, flythrough, thunderstorm consistently crash. (my guess is
> that are invoking a specific routine which is broken.
>
> ***** IDL crash log
>
> Thread 0 Crashed:
> #0   0x960a0b78 in x_hash_table_lookup
> #1   0x96085404 in glXSwapBuffers

Apple's X server is currently a Beta version. It has a lot of known
problems, including this one with its OpenGL support. We reproduced this
exact same crash and submitted the problem to Apple. They say that it has
been fixed for the next release. Apple isn't saying when the next release
will be available.

It seems to work for some object graphics programs and not for others. I
think that the common characteristic of the programs that fail is that they
use more than one object graphics window. I suspect that they have/had a
bug with multiple context support. But that is only a guess and the actual
problem and symptoms may be more or less severe.

Please see the following Tech Tip. It explains the situation and how you
can configure your IDL installation to avoid using Apple's currently broken
OpenGL support.

http://www.rsinc.com/services/techtip.asp?ttid=3444

Hopefully Apple will release a new version soon. I'm looking forward to
seeing OpenGL hardware accelleration on OS X - the glimpses we've seen so
far have looked promising. Again, the problem is in the X Server and/or the
libraries that are dynamically linked with IDL. You should be able to
install the fixed X server and libs without needing to update IDL, except
for backing out any configuration workarounds explained in the Tech Tip.

Karl