Subject: IDL 7.0 on Ubuntu 7.10+ / Debian 5.0
Posted by dvd on Tue, 14 Apr 2009 11:51:07 GMT

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Hi folks,

We installed IDL 7.0 on a Debian 5.0 and we were facing some problems regarding 3D acceleration. When we executed a program we wrote we crashed IDL and had the following stack trace:

Locking assertion failure. Backtrace:
#0 /usr/lib/libxcb-xlib.so.0 [0xb703f767]
#1 /usr/lib/libxcb-xlib.so.0(xcb_xlib_unlock+0x31) [0xb703f8b1]
#2 /usr/lib/libX11.so.6 [0xb72adcf1]
#3 /usr/lib/libX11.so.6(XEventsQueued+0x4a) [0xb729747a]
#4 /usr/lib/libXt.so.6(_XtWaitForSomething+0x3bb) [0xb739fa2b]
#5 /usr/lib/libXt.so.6 [0xb73aca8b]
(...)

When debugging the code, adding some "stop"s sentences (or even "print"s), IDL didn't crash, but the program didn't work properly, getting a "X windows protocol error: BadMatch (invalid parameter attributes)".

As stated before, we noticed that the problem was due to 3D acceleration. The program failed only when run locally; when run remotely (through SSH with X11 forwarding) and, obviously, without 3D acceleration, it worked fine.

We found that deleting (or renaming) the gl_driver.so file from .../ idl70/bin/bin.linux.x86(_64) solved the problem[1].

Hope it might help!

Best regards,
   David Aguilera
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[1] http://www.ittvis.com/UserCommunity/UserForums/tabid/58/foru mid/27/threadid/8138/scope/posts/Default.aspx