

Hello,

I'm wondering if anyone else is having this problem. Pardon the quality of this post, but its due to my ignorance and not laziness, thanks.

Basically, it seems like the latest OS X security update has disabled my `lmgrd` file somehow, which seems to limit IDL to demo mode. However, as noted below, running `shade_surf` causes a bus error, and its my understanding that `shade_surf` works in

The local mac fixit guys say that they can restore the OS to how it was a few days ago, at which point I'm hoping I'll be back in business. Based on the information below, does anyone have any opinion or experience with this? Or might an update to my `x-windows` file be a better bet? Based on my limited understanding, OS X security upgrades have been known to do squirrely things with anything dealing with X windows.

I'm running IDL 6.2 on a Mac Powerbook G4 with a PowerPC chip, OS X 10.4.11. Also, running IDL at the command line of an X window: X11 1.1.3 - XFree86 4.4.0. However, I get exactly the same errors I describe below if I run IDL from the Terminal.app.

Yesterday (August 25th) I did a security update : Mac OS X Security Update 2009-004 (PowerPC) and my programs don't work properly now. The programs work fine on another system.

Specifically, here's what I'm doing.

A few months back my hard drive crashed but [macmedics.com](#) were able to move everything to a new drive and reinstall OS X 10.4.11. However, the only way I could get IDL to run after that was to type `lmgrd` at the prompt, and then type `idl` at the prompt. I only had to type `lmgrd` once per session.

If I type `lmgrd` at the prompt I get the following:

```
[rasputin:~/vipr] quigley% lmgrd
[rasputin:~/vipr] quigley% ps
  PID TT  STAT   TIME COMMAND
  217 p1  Ss+   0:00.11 -csh
```

```
289 p2 Ss+ 0:00.12 -csh
336 p3 Ss 0:00.20 -csh
498 p3 S 0:00.01 /Applications/rsi/idl_6.2/bin/bin.darwin.ppc/
lmgrd
```

I assume the lmgrd file in Applications is what's being activated. As I said, doing this, and then typing idl at the prompt worked just fine for nearly three months now, until yesterday.

Now, this is what happens:

- If I type idl at the prompt, after 20 seconds it goes into demo mode.

OR

- If I type lmgrd after 20 seconds I get the following message:

```
] quigley% lmgrd
[rasputin:~/vipr] quigley% 11:47:30 (lmgrd)
-----
11:47:30 (lmgrd) Please Note:
11:47:30 (lmgrd)
11:47:30 (lmgrd) This log is intended for debug purposes only.
11:47:30 (lmgrd) In order to capture accurate license
11:47:30 (lmgrd) usage data into an organized repository,
11:47:30 (lmgrd) please enable report logging. Use Macrovision's
11:47:30 (lmgrd) software license administration solution,
11:47:30 (lmgrd) FLEXnet Manager, to readily gain visibility
11:47:30 (lmgrd) into license usage data and to create
11:47:30 (lmgrd) insightful reports on critical information like
11:47:30 (lmgrd) license availability and usage. FLEXnet Manager
11:47:30 (lmgrd) can be fully automated to run these reports on
11:47:30 (lmgrd) schedule and can be used to track license
11:47:30 (lmgrd) servers and usage across a heterogeneous
11:47:30 (lmgrd) network of servers including Windows NT, Linux
11:47:30 (lmgrd) and UNIX. Contact Macrovision at
11:47:30 (lmgrd) www.macrovision.com for more details on how to
11:47:30 (lmgrd) obtain an evaluation copy of FLEXnet Manager
11:47:30 (lmgrd) for your enterprise.
11:47:30 (lmgrd)
11:47:30 (lmgrd) -----
```

11:47:30 (lmgrd)
11:47:30 (lmgrd)
11:47:30 (lmgrd) The TCP port number in the license, 1700, is already in use.
11:47:30 (lmgrd) Possible causes:
11:47:30 (lmgrd) 1) The license server manager (lmgrd) is already running for this license.
11:47:30 (lmgrd) 2) The OS has not "cleared" this port since lmgrd died.
11:47:30 (lmgrd) 3) Another process is using this port number (unlikely).
11:47:30 (lmgrd) Solutions:
11:47:30 (lmgrd) 1) Make sure lmgrd and all vendor daemons for this
11:47:30 (lmgrd) license are not running.
11:47:30 (lmgrd) 2) You may have to wait for the OS to clear this port.
11:47:30 (lmgrd) Retrying for about 5 more minutes
11:47:48 (lmgrd) Still trying...

Eventually, lmgrd gives up.

OR

- If I type lmgrd, and then idl on the next line, after about 20 seconds I get:

```
[rasputin:~/vipr] quigley%  
[rasputin:~/vipr] quigley%  
[rasputin:~/vipr] quigley% lmgrd  
[rasputin:~/vipr] quigley% idl  
IDL Version 6.2, Mac OS X (darwin ppc m32). (c) 2005, Research  
Systems, Inc.  
11:52:34 (lmgrd) -----  
11:52:34 (lmgrd) Please Note:  
11:52:34 (lmgrd)  
11:52:34 (lmgrd) This log is intended for debug purposes only.  
11:52:34 (lmgrd) In order to capture accurate license  
11:52:34 (lmgrd) usage data into an organized repository,  
11:52:34 (lmgrd) please enable report logging. Use Macrovision's  
11:52:34 (lmgrd) software license administration solution,  
11:52:34 (lmgrd) FLEXnet Manager, to readily gain visibility  
11:52:34 (lmgrd) into license usage data and to create  
11:52:34 (lmgrd) insightful reports on critical information like  
11:52:34 (lmgrd) license availability and usage. FLEXnet Manager  
11:52:34 (lmgrd) can be fully automated to run these reports on  
11:52:34 (lmgrd) schedule and can be used to track license
```

```

11:52:34 (lmgrd) servers and usage across a heterogeneous
11:52:34 (lmgrd) network of servers including Windows NT, Linux
11:52:34 (lmgrd) and UNIX. Contact Macrovision at
11:52:34 (lmgrd) www.macrovision.com for more details on how to
11:52:34 (lmgrd) obtain an evaluation copy of FLEXnet Manager
11:52:34 (lmgrd) for your enterprise.
11:52:34 (lmgrd) -----
11:52:34 (lmgrd)
11:52:34 (lmgrd)
11:52:34 (lmgrd) The TCP port number in the license, 1700, is already
in use.
11:52:34 (lmgrd) Possible causes:
11:52:34 (lmgrd) 1) The license server manager (lmgrd) is already
running for this license.
11:52:34 (lmgrd) 2) The OS has not "cleared" this port since lmgrd
died.
11:52:34 (lmgrd) 3) Another process is using this port number
(unlikely).
11:52:34 (lmgrd) Solutions:
11:52:34 (lmgrd) 1) Make sure lmgrd and all vendor daemons for
this
11:52:34 (lmgrd) license are not running.
11:52:34 (lmgrd) 2) You may have to wait for the OS to clear this
port.
11:52:34 (lmgrd) Retrying for about 5 more minutes
% LICENSE MANAGER: Cannot read data from license server system.
The license server system appears to be running, but is not
responding. If this persists, notify the System Administrator.
(The license server manager (lmgrd) and vendor daemon processes
should be terminated and restarted.)
Feature: idl
Hostname: quigley.local
License path: /Applications/rsi/idl_6.2/./license/license.dat:/
Applications -
    /rsi/idl_6.1/./license/license.dat:/usr/local/rsi/idl_6.1/ ./
license -
    /license.dat:/Applications/rsi/license/*.lic
FLEXnet Licensing error:-16,287
For further information, refer to the FLEXnet Licensing End User
Guide,
available at "www.macrovision.com"..
License file: /Applications/rsi/idl_6.2/./license/license.dat:/
Applications/rsi/idl_6.1/./license/license.dat:/us
r/local/rsi/idl_6.1/./license/license.dat:/Applications/rsi /license/
*.lic
% Entering timed demo mode. Each session is limited to 7 minutes
of operation. Printing and file saving are disabled.

```

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```
IDL> 11:52:52 (Imgrd) Still trying...
11:53:10 (Imgrd) Still trying...
11:53:28 (Imgrd) Still trying...
11:53:46 (Imgrd) Still trying...
11:54:04 (Imgrd) Still trying...
11:54:22 (Imgrd) Still trying...
```

At this point if I hit return I get the usual-looking idl prompt.

If I run the following code:

```
pro test,xxx
close,1,2
plot,findgen(10)
openw,1,'junk.out'
printf,1,'junk'
close,1
return
end
```

I get an error message to the effect that openw is disabled for demo mode, not surprisingly. If Imgrd is hung up, then I imagine IDL is unable to find the license file or something and goes into demo mode.

A more complicated program gives the error message "Bus error", apparently at the point in the code where I call `shade_surf`....

If anyone has any ideas on what's going on or how to fix things I'd certainly appreciate it.

Thanks,

Mark
