

Re: Is 5.0.7 ready for production?

Source: <http://unix.derkeiler.com/Newsgroups/comp.unix.sco.misc/2003-09/0189.html>

From: Mike Brown (*mike_at_1kg.ca*)

Date: 09/06/03

Date: Sat, 06 Sep 2003 21:02:46 GMT

Bela Lubkin wrote:

>
> *Mike Brown wrote:*
>
>> *Also if you are updating an 'older' Compaq ProLiant that requires the*
>> *EFS548 version it generates the following error on 5.0.7:*
>>
>> *i386ld: Symbol pci-debug in*
>
> *"pci_debug", actually. Which shows that you're typing this rather than*
> *cut-and-paste or redirecting to a file, tsk.*
>

Actually worse than that, it was from memory.

>> */var/opt/K/SCO/link/1.1.Hw/etc/conf/pack.d/cpqw/Driver.o*
>> *is multiply defined.*
>>
>> *first defined in*
>> */var/opt/K/SCO/link/1.1.Hw/etc/conf/pack.d/pci/Driver.o*
>> *ERROR: Can not link-edit unix*
>>
>>
>> *Obviously the EFS install fails and you don't get the required drivers.*
>> *HP/Compaq is not showing any updated EFS although I did report this*
>> *March 12th. Normally by now I would have updated a portion of my client*
>> *base and would have something to report. The problem now is that we*
>> *do not want to be supporting two versions of O/S, so have left most*
>> *people on 5.0.6.*
>
> *You can fix the above problem by patching the variable name in*
> *pci/Driver.o to remove the conflict. The variable is internal to*
> *pci/Driver.o, so its name can be changed without a matching change*
> *elsewhere. The variable in Compaq's driver is internal to it. We just*
> *have to resolve the name collision:*
>
> *# cd /etc/conf/pack.d/pci*
> *# cp -p Driver.o Driver.o.orig*

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```
> # strings -a -o Driver.o | grep -i debug
> 18790 pci_debug
> # bs=1 count=9 oseek=18790 of=Driver.o
> 9+0 records in
> 9+0 records out
> # strings -a -o Driver.o | grep -i debug
> 18790 pci_Debug
> # cd /etc/conf/cf.d
> # ./link_unix
>
```

I will try this on Sunday, noting the posts from JPR.

```
.
> > I am testing Progress 9.1b on 5.0.7, with a ProLiant ML530G3. So far
> > the system has locked up about 6 times with the database running, no
> > panic dumps as the system is completely locked. The server runs fine
> > for days without Progress running, locks up in a few hours after
> > the database is started. No idea why yet.
>
> Is this without database activity?? Doesn't the Compaq watchdog stuff
> kick in and reboot the system? (Not that that would be much better, but
> it's odd to actually _hang_ a system with a watchdog in it...)
>
> >Bela<
```

Spent six hours on that server last night and this morning. I linked in the scodb, but after a lockup there is no keyboard input accepted (not even CAPS-LOCK or NUM-LOCK toggle the leds). Yes, the Compaq watchdog does kick in and reboot the server if I wait. After a reboot I can get Progress to start up, but if a wait a while the machine locks instantly when the database goes to start. With a bit more debugging I think there may be a relationship between a consumption of streams resources as reported in "netstat -m" under "streams memory in use" (SMiU) and the system locking up. With just a root login on tty01 running netstat and a graphic login on tty02 all is well. If I fire up mozilla, let it bring up the sco home page, then watch the SMiU it slowly climbs up. Looks like it will go from ~180k to 4MB in 11 minutes. Starting Progress at that point, or even using Mozilla to go to more web pages instantly locks the system. I repeated the test 3 times.

If I just bring up Progress (no graphical login) the consumption is much slower, maybe 2k per minute. The server had frozen up and the Compaq watchdog rebooted it during the week, after 35.5 hours. As far as I can tell there was very little database use, the Progress server was just brought and left running.

The HW is a ProLiant ML530, single 2.4Ghz Xeon with hyperthreading off, 1536MB of ram, and a 6400 raid controller. The NIC is a Broadcom with driver version 6.0.129 embedded on the system board. I installed an

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Intel PRO100 card to replace the BCME, which I disabled in the bios and in netconfig. There was no change in symptoms, or speed of the consumption of SMiU.

The SW is 5.0.7 with OSS656B and EFS5.60a (which is current). I updated the system to osr507mp1 and retested, but no change.

I can ftp or rcp without any problem, copied 8GB to the machine without any apparent residual increase in SMiU, but after running mozilla for a few minutes the next attempt at copying data piped through a rcmd froze the system.

The machine is not in production at all, it is just for compatibility testing at this point. Any ideas?

--
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