

# UPDATE dmp and 3510fc troubles

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*Source:* <http://unix.derkeiler.com/Mailing-Lists/SunManagers/2006-09/msg00282.html>

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- *From:* "Kristopher Briscoe" <[kris.briscoe@xxxxxxxx](mailto:kris.briscoe@xxxxxxxx)>
  - *Date:* Wed, 27 Sep 2006 11:36:46 -0400
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All,

ok. I've loaded the latest Solaris 9 recommended cluster. Installed the most current version of the jni/jfca patch, 114878-10. Rebooted. The problem persists.

It's as though whenever the jfca driver detects a failure that it does not pass that failure upstream and thus dmp doesn't disable the pathway. Also, I've noticed the system completely hangs on certain things. IE: ps -ef. This seems really strange. Possible the driver is just hanging the system?

Someone out there must have experience with the components I've listed below. Any help is greatly appreciated.

Kris--

----- Forwarded message -----  
From: Hudes, Dana <[hudesd@xxxxxxxx](mailto:hudesd@xxxxxxxx)>  
Date: Sep 26, 2006 2:42 PM  
Subject: RE: dmp and 3510fc troubles  
To: Kristopher Briscoe <[kris.briscoe@xxxxxxxx](mailto:kris.briscoe@xxxxxxxx)>

I haven't made any changes to jfca.conf for the v490 I have on Solaris 9 with FC arrays (5100, yes they are old they are "legacy" which will one day be replaced maybe even before EOL on them).

Looking at the content of /kernel/drv/jfca.conf, it is all about your particular installation and attached hardware. So there is no way I could know a priori what's appropriate. I would start with the defaults and go from there once you have the 4.4.10 FC bundle installed and solaris 9 patched in general.

=====  
Dana Hudes

UPDATE dmp and 3510fc troubles

\*UNIX and Imaging group\*

\*NYC-HRA\*

+1 718 510 8586

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-----Original Message-----

\*From:\* Kristopher Briscoe [<mailto:kris.briscoe@xxxxxxxxxx>]

\*Sent:\* Tuesday, September 26, 2006 2:37 PM

\*To:\* Hudes, Dana

\*Subject:\* Re: dmp and 3510fc troubles

Dana,

Thanks. Yes, you are correct on the revisions. That's something I'm working on correcting right now. I inherited this mess recently. Thanks

Quick question...do you know if I should use the jfca.conf straight out of the box or are there some mod's I can make to help out?

Kris--

On 9/26/06, \*Hudes, Dana\* <[hudesd@xxxxxxxxxxxxxx](mailto:hudesd@xxxxxxxxxxxxxx)> wrote:

You're back level on Solaris and Veritas. You should be on Veritas 4.1

MP1 and Solaris 9 Generic\_118558-29

Make sure you have installed current FC patches and SUNWsan. Use the install\_it\_now version.

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Dana Hudes

UNIX and Imaging group

NYC-HRA

+1 718 510 8586

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-----Original Message-----

From: sunmanagers-bounces@xxxxxxxxxxxxxxxxxxxx

[<mailto:sunmanagers-bounces@xxxxxxxxxxxxxxxxxxxx>] On Behalf Of Kristopher Briscoe

Sent: Tuesday, September 26, 2006 12:59 PM

To: sunmanagers

Subject: dmp and 3510fc troubles

All,

UPDATE dmp and 3510fc troubles

## UPDATE dmp and 3510fc troubles

Having a problem with DMP not disabling a controller once the pathway is gone. To simulate a controller failures I merely unplug the cable providing the secondary pathway to the array. I see errors from the sd and jfca driver, but I never see the "dmp disable " message until AFTER I plug the cable back in. While the cable is unplugged the following return "positive" results

vxdisk path --> shows all pathways enabled  
vxdmppadm getsubpaths dmpnodename=<one of the dmp devices> --> shows all pathways "ENABLED".

Now, after plugging the cable back in I immediately see the "dmp disabled" for the pathway message, and if i run the two commands again I now see the pathways "DISABLED". After a few seconds dmp reenables the paths and all is fine.

Sun V440  
2 dual channel JNI/JFCA cards  
Patch: 114878-09

Sun StorEdge 3510FC  
1 logical volume with 3 partitions  
2 for IO Fencing  
1 for Oracle data

Solaris 9 Generic\_117171-07  
All VERITAS components are 4.0  
VERITAS Storage Foundation for Oracle RAC  
VERITAS Volume Manager  
VERITAS Storage Foundation for Oracle  
VERITAS File System  
VERITAS Volume Manager  
VERITAS Cluster Server  
VERITAS Mapping Services

An interesting note here. When NODE(1) is master and I unplug the cable on it vxconfigd dies thus causing the cluster monitoring to die. vxconfigd isn't started again until I reconnect the cable.

Anyone out there have any similar experiences? My thought is that the jfca driver isn't letting dmp know that the pathway is gone...it's as if the

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driver gets locked up. I'm going to install rev 10 of the JNI/JFCA patch and see if that helps.

Please shout if you have any suggestions.

Kris---

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Kristopher T. Briscoe  
Sr. UNIX Engineer  
404.353.3223

Unix is very simple, but it takes a genius to understand the simplicity.  
(Dennis Ritchie)

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sunmanagers mailing list  
sunmanagers@xxxxxxxxxxxxxxxxx  
<http://www.sunmanagers.org/mailman/listinfo/sunmanagers>

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Kristopher T. Briscoe  
Sr. UNIX Engineer  
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