

Re: VIO Issue

Source: <http://unix.derkeiler.com/Mailing-Lists/AIX-L/2006-04/msg00129.html>

- *From:* "Copper, Steve" <scopper@xxxxxxxxxxxxxxxxxxxxx>
 - *Date:* Fri, 21 Apr 2006 09:41:52 +0100
-

Hi All,

Just for information in case someone else has this problem.

I have now had a resolution for the below problem. Basically when setting up the host mapping on the DS4800 you must have a LUN 0 configured. In my initial configuration I never specified a LUN 0 so it wasn't working correctly. Apparently this requirement is un-documented.

Regards
Steve

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

From: Jeff Barratt-McCartney [<mailto:jbarratt@xxxxxxxxxxxxx>]
Sent: 11 April 2006 12:34
To: aix-l@xxxxxxxxxxxxxxxxx
Subject: Re: VIO Issue

dacNONE indicates a zoning/cabling/LUN presentation issue.

1. identify which controller is working. (lsdev -Cc disk/lsdev -Cc adapter). check hdisk4, it's working.
2. remove the disks that say dacNone and the non working adapter (rmdev -dl hdiskX;rmdev -dl fcsX -R;rmdev -dl dac1 -R)
3. fix your zoning/cabling issue. (most likely zoning is incorrect)
4. reboot.

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

From: IBM AIX Discussion List on behalf of Copper, Steve
Sent: Tue 4/11/2006 3:40 AM
To: aix-l@xxxxxxxxxxxxxxxxx
Subject: Re: VIO Issue

Hi John,

Thanks for that link - it is nearly the setup that I want and shows how the output is meant to be however when I do the fget_config -Av command I get

Re: VIO Issue

the following output:

```
# fget_config -Av
```

```
---dar0---
```

```
User array name = 'dsa_devsan'  
dac0 ACTIVE dacNONE ACTIVE
```

```
Disk DAC LUN Logical Drive  
utm 31  
hdisk3 dacNONE 0  
hdisk4 dac0 1 A1LD3  
hdisk5 dacNONE 2 A2LD3  
hdisk6 dac0 3 A3LD3
```

```
---dar1---
```

```
User array name = 'dsa_devsan'  
dac1 ACTIVE dacNONE ACTIVE
```

```
Disk DAC LUN Logical Drive  
utm 31  
hdisk7 dacNONE 0  
hdisk8 dacNONE 1 A1LD3  
hdisk9 dac1 2 A2LD3  
hdisk10 dacNONE 3 A3LD3  
#
```

Which shows the 2 paths to the same Logical drives. (Since the last email I have removed the 12 and only attached 3 Logical drives)

Think I might be phoning this one in.

Thanks
Steve

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

From: John Monahan [<mailto:JMonahan@xxxxxxxxxxxxxx>]
Sent: 10 April 2006 20:05
To: aix-1@xxxxxxxxxxxxxx
Subject: Re: VIO Issue

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Re: VIO Issue

Re: VIO Issue

Thank you for your co-operation.

Not sure if this has the same information that is in the redbook or not, but you can check it out.

<http://www-03.ibm.com/support/techdocs/atsmastr.nsf/WebIndex/WP100580>

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Consultant Infrastructure Solutions Group Computech Resources, Inc.
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<http://www.computechresources.com>

"Copper, Steve" <scopper@xxxxxxxxxxxxxxxxxxx> Sent by: IBM AIX Discussion List <aix-l@xxxxxxxxxxxxxxxxxxx>
04/10/2006 07:30 AM
Please respond to
IBM AIX Discussion List <aix-l@xxxxxxxxxxxxxxxxxxx>

To
aix-l@xxxxxxxxxxxxxxxxxxx
cc

Subject
VIO Issue

Hi All,

I have a question about multipathing on the VIO servers which I hope someone can help with. Basically I am trying to set up the scenario as

per

the attached diagram which is from the redbook sg247940, Advanced Power Virtualization on IBM System p5, Chapter 5, page 249.

The only difference to the diagram is that the DS4800 goes through 2 SAN switches, one controller through each. Each fibre card on the VIO

Re: VIO Issue

Re: VIO Issue

is

zoned

to see only one of the controllers. I have created a host group on the ds4800 which has the 2 fibre cards in and 12 disks assigned to the host group. As per the diag ds4800 attached.

The issue I am having is that in this configuration, after I have done

the

cfgdev on the VIO server, I am seeing 2 hdisks for the same disk (I have checked the ieee_volname parm to be sure). In this case I have hdisk0–hdisk28 inclusive. Hdisk0, hdisk1 and hdisk2 are the internal disks. Not sure what hdisk3 and hdisk4 are doing here, they were present even before I allocated and disks to the VIO. Then I have hdisk5–28

which

are the 24 paths to the 12 disks.

As per the diagram, it indicates that there should only be 1 hdisk for

the

disk as the RDAC driver will have sorted out the dual path to present

only

the one disk. This is the part that I am not seeing and am stuck on. Earlier on in the chapter on page 245 there is a Note which says to use the oem_setup_env command (which creates a root shell) for installing

and

configuring the multi–path environment on the VIOs. What commands are

used

in the above shell to achieve the configuration?

One other thing that I have noticed is that when listing the filesets which are required for the RDAC there is no version number or description associated with them, as below. Is this right? Or should there be that info?

```
$ lssw | grep fc
devices.common.IBM.fc.hba–api
```

Re: VIO Issue

Re: VIO Issue

devices.common.IBM.fc.rte
devices.fcp.disk.array.diag
devices.fcp.disk.array.rte
devices.fcp.disk.rte 5.3.0.41 A F FC SCSI CD-ROM, Disk,
devices.fcp.tape.rte 5.3.0.41 A F FC SCSI Tape Device
Software

Ioslevel on the VIOs is 1.2.1.1-FP-7.2

Thanks in advance for your replies.

Regards
Steve Copper

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Re: VIO Issue