

SUMMARY :- Cannot Configure port of Emulex HBA

Source: <http://unix.derkeiler.com/Mailing-Lists/SunManagers/2005-03/0443.html>

sudesh.shetty_at_wipro.com

Date: 03/29/05

Date: Tue, 29 Mar 2005 15:48:08 +0530

To: <Michael.Horton@acntv.com>, <sunmanagers@sunmanagers.org>

Hi Gurus,

Thanks to all of you u who had replied.....

Here's the summary..

It seemed to be due to the firmware of the new HBA(firmware:- 1.80a) not matching with the old 3 HBA's(firmware :- 1.90a). Hence, removed the new HBA from v1280 and installed it back on the v440 server and upgraded the firmware to 1.90a. Then installed it back on to the v1280 server and VIOLA ... the server detected the new HBA. Also the OS detected the new HBA in "lputil"...

Once again Thanks...

SS

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

From: Michael Horton [mailto:Michael.Horton@acntv.com]

Sent: Monday, March 28, 2005 7:28 PM

To: Sudesh Shetty (WI01 - Services)

Subject: Re: Cannot Configure port of Emulex HBA

let's see.

the card won't work.

the card won't work in slot a.

the card won't work in slot b.

known good card will work.

known good card will work in slot a.

known good card will work in slot b.

it must be the systemboard, huh?

have you tried removing an existing card to see if the new card is configured and used?

SunManagers: SUMMARY :- Cannot Configure port of Emulex HBA

you should use basic hardware troubleshooting procedures and trust the results.

a card has several different logical parts.

one part can fail while the other parts continue to respond.

the part reporting to the opb can work while other parts do not.

the part queried by prtdiag can work while the other parts do not.

sudesh.shetty@wipro.com wrote:

```
> Hi Gurus,  
> I am facing with a problem. One of my customer has a SF1280  
> server which is connected to an EMC CX300 box through 2 HBA cards (  
connected  
> to 33Mhz PCI slot). Now customer had purchased one more CX300 server and 1  
new  
> HBA cards last month. At that time, I had installed the HBA on the server  
> (totalling to 3 HBA) and rebooted the server. When the server had reached  
the  
> OBP level, it detected three HBA successfully after which i upgraded the  
> firmware of the HBA.  
> Now, customer has purchased one more HBA for redundancy totalling it to  
four  
> HBA's connected to 4 separate PCI (33MHz) slots.  
> But now, when i install the fourth HBA, and reboot the server i get the  
> following message:-  
>  
> {/N0/SB4/P1} DCB_ENTER_OBP command succeeded  
> {/N0/SB4/P2} DCB_ENTER_OBP command succeeded  
> {/N0/SB4/P3} DCB_ENTER_OBP command succeeded  
> Entering OBP ...  
> lom>  
> *** FCode LP10000 PCI_Bus (lpfc) Version 1.40a0 ***  
>  
> Cannot Configure Port.  
> *** FCode LP10000 PCI_Bus (lpfc) Version 1.40a0 ***  
>  
> *** FCode LP10000 PCI_Bus (lpfc) Version 1.40a0 ***  
>  
> *** FCode LP10000 PCI_Bus (lpfc) Version 1.40a0 ***  
>  
>  
> Sun Fire V1280  
> OpenFirmware version 5.13.0014 (07/15/03 15:09)  
> Copyright 2001-2003 Sun Microsystems, Inc. All rights reserved.  
> Use is subject to license terms.  
> SmartFirmware, Copyright (C) 1996-2001. All rights reserved.  
>  
>  
> {0} ok  
> {0} ok  
>
```

SUMMARY :- Cannot Configure port of Emulex HBA

SunManagers: SUMMARY :- Cannot Configure port of Emulex HBA

```

>
>
> after which both the LED's on the HBA go blank. But "prtdiag" shows me all
the
> HBA cards whereas in "lputil" command there is only 3 cards detected.
>
>
> # prtdiag /more
> System Configuration: Sun Microsystems sun4u Sun Fire V1280
> System clock frequency: 150 MHZ
> Memory size: 24GB
>
> ===== CPUs
> =====
> E$ CPU CPU Temperature Fan
> CPU Freq Size Impl. Mask Die Ambient Speed
Unit
> -----
-----
> SB0/P0 1200 MHz 8MB US-III+ 6.0 49 C 30 C
> SB0/P1 1200 MHz 8MB US-III+ 6.0 48 C 29 C
> SB0/P2 1200 MHz 8MB US-III+ 6.0 48 C 29 C
> SB0/P3 1200 MHz 8MB US-III+ 6.0 48 C 30 C
> SB2/P0 1200 MHz 8MB US-III+ 6.0 47 C 28 C
> SB2/P1 1200 MHz 8MB US-III+ 6.0 45 C 29 C
> SB2/P2 1200 MHz 8MB US-III+ 6.0 47 C 29 C
> SB2/P3 1200 MHz 8MB US-III+ 6.0 47 C 29 C
> SB4/P0 1200 MHz 8MB US-III+ 6.0 44 C 29 C
> SB4/P1 1200 MHz 8MB US-III+ 6.0 48 C 30 C
> SB4/P2 1200 MHz 8MB US-III+ 6.0 48 C 31 C
> SB4/P3 1200 MHz 8MB US-III+ 6.0 46 C 31 C
>
> ===== IO Devices
> =====
> Bus Freq
> Brd Type MHz Slot Name Model
> ---
> -----
> 0 pci 33 PCI0 SUNW,XVR-100 (display) SUNW,375-3126
> 0 pci 33 PCI1 scsi-pci1000,f (scsi-2)
> 0 pci 33 PCI1 scsi-pci1000,f (scsi-2)
> 0 pci 66 PCI5 lpfc-pci10df,fa00 (scsi) LP10000
> 0 pci 33 PCI2 lpfc-pci10df,fa00 (scsi) LP10000
> 0 pci 33 PCI3 lpfc-pci10df,fa00 (scsi) LP10000
> 0 pci 33 PCI4 lpfc-pci10df,fa00 (scsi) LP10000
> 0 pci 66 1 pci108e,abba (network) SUNW,pci-ce
> 0 pci 66 2 scsi-pci1000,21 (scsi-2)
> 0 pci 66 2 scsi-pci1000,21 (scsi-2)
> 0 pci 66 2 pci108e,abba (network) SUNW,pci-ce
> 0 pci 33 3 pci1095,646 (ide)
> 0 pci 33 4 bootbus-controller-sgsbbc SUNW,sgsbbc
>
>
> #/usr/sbin/lpfc/lputil
> LightPulse Common Utility for Solaris/SPARC. Version 1.6a8 (03/03/2004).
> Copyright (c) 2003, Emulex Network Systems, Inc.
>

```

SunManagers: SUMMARY :- Cannot Configure port of Emulex HBA

```
> Emulex Fibre Channel Host Adapters Detected: 3
> Host Adapter 0 (lpfc0) is an LP10K (Ready Mode)
> Host Adapter 2 (lpfc2) is an LP10K (Ready Mode)
> Host Adapter 3 (lpfc1) is an LP10K (Ready Mode)
>
>
> I tried to swap the slot also, but then too the same card gives me the
> problem. Is the card gone faulty????????????????? If So why the four entries
in
> prtdiag???????
>
> Please would appreciate any HELPPPPPPPP??
>
> Regards
> SUDESH
>
>
>
> Confidentiality Notice
>
> The information contained in this electronic message and any attachments to
> this message are intended
> for the exclusive use of the addressee(s) and may contain confidential or
> privileged information. If
> you are not the intended recipient, please notify the sender at Wipro or
> Mailadmin@wipro.com immediately
> and destroy all copies of this message and any attachments.
>
> _____
> sunmanagers mailing list
> sunmanagers@sunmanagers.org
> http://www.sunmanagers.org/mailman/listinfo/sunmanagers
>
This message originates from Jewelry Television (TM) . The message and any
file transmitted with it is intended to be privileged and confidential. It is
intended only for the addressee named above. Any disclosure, distribution,
copying or use of the information by anyone other than the intended recipient,
regardless of address or routing, is strictly prohibited. If you have received
this message in error, please advise the sender by immediate reply and delete
the original message. Personal messages express views solely of the sender and
are not attributable to Jewelry Television (TM).
Confidentiality Notice
The information contained in this electronic message and any attachments to
this message are intended
for the exclusive use of the addressee(s) and may contain confidential or
privileged information. If
you are not the intended recipient, please notify the sender at Wipro or
Mailadmin@wipro.com immediately
and destroy all copies of this message and any attachments.
>
> _____
> sunmanagers mailing list
> sunmanagers@sunmanagers.org
> http://www.sunmanagers.org/mailman/listinfo/sunmanagers
```