

Cannot Configure port of Emulex HBA

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To: <sunmanagers@sunmanagers.org>

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
```

after which both the LED's on the HBA go blank. But "prtdiag" shows me all the

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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.
```

```
Emulex Fibre Channel Host Adapters Detected: 3
```

```
Host Adapter 0 (lpfc0) is an LP10K (Ready Mode)
```

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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

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