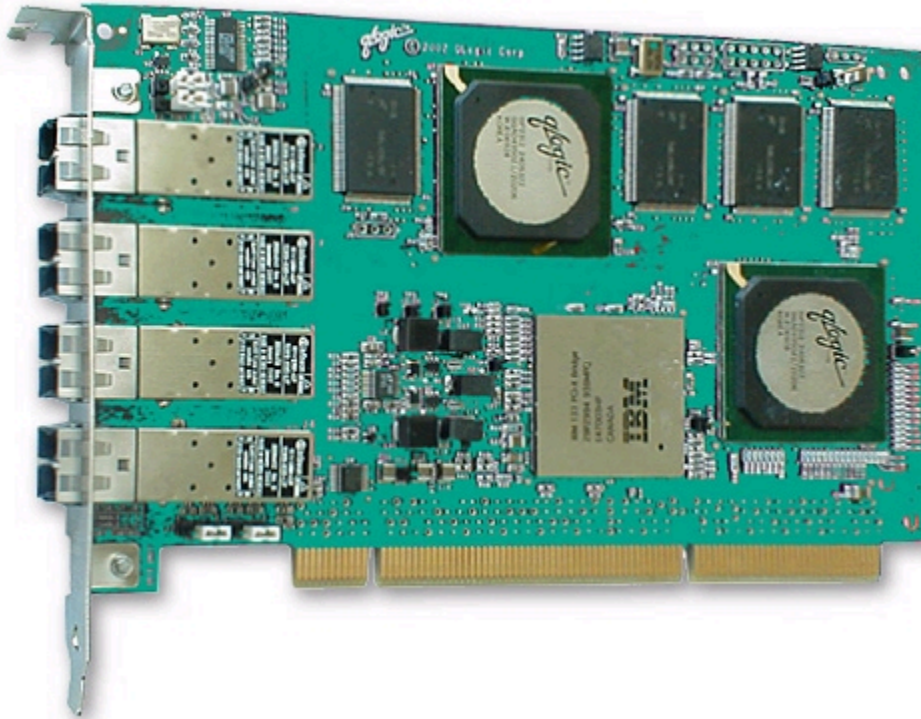


?? 11, 2009 ??? sunchiahome ,thx??



WWN ?World Wide Name ??

????? MAC Address(48bits) ??????.????????????? WWN?World Wide Name:FC ??????? (64 bits),????????? WWN ???  
MAC ?????????? HBA(Host Bus Adapter) ?????????? WWN .?????????. ??????WWN,???????????????

WWN ???? WWNN:World Wide Node Name / WWPNN:World Wide Port Name ????????

1. WWNN ?FC ????ASIC (????IC )???,????????? 1?,?WWNN ??????  
??Qlogic FC 1,2,4 port ??ASIC ??????. ????WWNN

2.????? HBA ?? port ???? WWPNN  
FC Dual Port . 2?WWNN  
Quad Port . 4?WWNN

3.???? Fiber switch ???? cone ,trunk ???? ?????? WWPNN WWNN ???.

??

<http://space.doit.com.cn/35700/viewspace-4367.html>

Linux ??? WWNN / WWPNN ?????? /proc/scsi/qla2xxx/ (thx ?:???????QLogic Card??)

```
[root@benjr ~]# ls -l /proc/scsi/qla2xxx/  
total 0
```

```

-rw-r--r-- 1 root root 0 Mar 11 19:04 4
-rw-r--r-- 1 root root 0 Mar 11 19:04 5
[root@benjr ~]# cat /proc/scsi/qla2xxx/4
QLogic PCI to Fibre Channel Host Adapter for xxxxxxxx:
    Firmware version 4.04.00 [IP] [84XX] , Driver version 8.02.14.01-fo
BIOS version 0.00
FCODE version 0.00
EFI version 0.00
Flash FW version 0.00.00 0000
ISP: ISP6432
Request Queue = 0x17950000, Response Queue = 0x17a80000
Request Queue count = 4096, Response Queue count = 512
Total number of active commands = 0
Total number of interrupts = 4002
    Device queue depth = 0x20
Number of free request entries = 3596
Number of mailbox timeouts = 0
Number of ISP aborts = 0
Number of loop resyncs = 0
Number of retries for empty slots = 0
Number of reqs in pending_q= 0, retry_q= 0, done_q= 0, scsi_retry_q= 0
Number of reqs in failover_q= 0
Host adapter:loop state = <READY>, flags = 0x5a13
Dpc flags = 0x4080000
MBX flags = 0x0
Link down Timeout = 030
Port down retry = 030
Login retry count = 030
Commands retried with dropped frame(s) = 0
Product ID = 0000 0000 0000 0000

SCSI Device Information:
scsi-qla0-adapter-node=9005962432112233;
#?? WWNN
scsi-qla0-adapter-port=9005962432112233;
#?? WWPN
scsi-qla0-target-0=2200000c50c22881;
scsi-qla0-target-1=2200000c50c237f6;
scsi-qla0-target-2=2200000c50c22acf;
scsi-qla0-target-3=2200000c50c22d14;
scsi-qla0-target-4=2200000c50c23157;

FC Port Information:
scsi-qla0-port-0=2000000c50c22881:2200000c50c22881:0000e0:0;
scsi-qla0-port-1=2000000c50c237f6:2200000c50c237f6:0000dc:1;

```

```
scsi-qla0-port-2=2000000c50c22acf:2200000c50c22acf:0000da:2;  
scsi-qla0-port-3=2000000c50c22d14:2200000c50c22d14:0000d9:3;  
scsi-qla0-port-4=2000000c50c23157:2200000c50c23157:0000d6:4;
```

SCSI LUN Information:

(Id:Lun) \* - indicates lun is not registered with the OS.

( 0: 0): Total reqs 84, Pending reqs 0, flags 0x2, Dflags 0x0, 0:0:00 00

( 1: 0): Total reqs 82, Pending reqs 0, flags 0x2, Dflags 0x0, 0:0:01 00

( 2: 0): Total reqs 84, Pending reqs 0, flags 0x2, Dflags 0x0, 0:0:02 00

( 3: 0): Total reqs 84, Pending reqs 0, flags 0x2, Dflags 0x0, 0:0:03 00

( 4: 0): Total reqs 84, Pending reqs 0, flags 0x2, Dflags 0x0, 0:0:04 00