

????????? Infiniband ??????

?????, ???

???mellanox ? MHEL-CF128-T (pci-e ?? InfiniBand InfiniHost III Ex ?? dual port ??) ??

Windows :

http://www.mellanox.com/related-docs...ser_manual.pdf

Linux ???oped?? opensources driver

http://www.mellanox.com/related-docs..._5_2-2_1_0.pdf

Esx ??????OFED Driver

http://www.mellanox.com/related-docs...guide_1_30.pdf

infiniband gppe boot

http://www.mellanox.com/related-docs...ser_manual.pdf

1.?????? 2.????????? 3 .?firmware 4.??Driver 5.??Subnet Manger

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http://www.mellanox.com/content/page...enu_section=34

?????Mellanox OFED for Windows (WinOF)

??????????



??infiniband HBA ??? ???? ???? ????FW. ????

??fw ????

Current FW version on flash: N/A

??MST start

 MST status ???

MST devices:

 mt25208_pciconf0

 mt25208_pci_cr0

??Firmware

http://www.mellanox.com/content/page...firmware_table

???????????? ????FW

FW?????Beta?

??firmware ????

???

??? flint ??C:\Program Files\Mellanox\WinMFT>>flint -d mt25208_pci_cr0 -i CF128.bin -nofs burn

Beta???mlxburn ??ini ?mlx fw ????

mlxburn -fw ./fw-25208-rel.mlx -d mt25208_pci_cr0 -skip_is

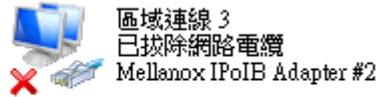
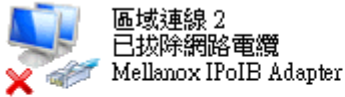
????bootrom

mlxburn -dev mt25208_pci_cr0 -fw fw-25208-rel.mlx -conf MHEL-CF128-T.ini -exp_rom

IHOST3EX_PORT2_ROM-1.0.0.rom -skip_is

(port1 ?port2 ????.???)

??????



??"?????"

infiniband ???? ???? infiniband switch ,??? 8 port nt 4???

????????CX4 Cable ???? ??????offline

???IB ????Subnet Manger ??????

???switch ??????

??????

???? <http://www.thirdio.com/> (Linux OS +FC Target driver) ??????Emulex Card

????

Windows ?????? virtual dram disk ??

<http://www.romexsoftware.com/zh-cn/v...isk/index.html>

10G ??

sc start opensm

???Starwind ?iscsi ????

??

FC 8GB ????400 MB/sec

??????

1.IOPS (??????)

2.CPU???

C:\Program Files\Mellanox\WinMFT>mlxburn -fw 1.mlx -d mt26448_pci_cr0 -conf MNPH29C-XTR_A2-A4.ini

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mlxburn -fw 1.mlx -d mt26448_pci_cr0 -conf MNPA19_A1-A3.ini
```