



FAQ ID – F10136

Title: How to upgrdae HCA Firmware using Voltaire Windows Gridstack™?

Created date

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Status : Verified

Type : Pre-Install

Goal(s):

How to verify what is the current HCA firmware version?

How to burn the HCA Firmware?

Solution description or Fix

To verify what is the HCA current firmware version run the utility vstat.exe. The utility location is under \Program Files (x86)\Voltaire\WinIB\bin> for 64-bit machines, and \Program Files\Voltaire\WinIB\bin> for 32-bit machines.

```
C:\Program Files (x86)\Voltaire\WinIB\bin>vstat.exe
hca_idx=0
pci_location={BUS=NA,DEV/FUNC=NA}
vendor_id=0x02c9
vendor part id=0x6278
hw_ver=0xa0
fw_ver=4.07.00
Psid=
num_phys_ports=2
  port=1
  port_state=PORT_DOWN (1)
  sm_lid=0x0000
  port_lid=0x0000
  port_lmc=0x0
  max_mtu=2048 (4)
  port=2
  port_state=PORT_ACTIVE (4)
  sm_lid=0x0001
  port_lid=0x0006
  port_lmc=0x0
  max_mtu=2048 (4)
```

The following table describes minimal firmware required version for each HCA type:

Voltaire part number	HCA descriptor	Card type	Minimal Firmware image version
501S12319 501S12316	VLT-LP, VLT-SAN	PCI-X	3.4.0
501S12317 501S12318 501S12325	VTP-EXP	PCI-Ex	4.7.6

To burn the HCA run the `ib_burn.exe` utility. In case that the utility will fail to identify the HCA type, use the utility as follows:

`Ib_burn.exe -i [HCA descriptor]`

Note: you will need to pick the HCA descriptor according to the above table.

If you want to restart the machine after the `ib_burn` application completed you should run: `"ib_burn.exe -a -y < y.txt"`

If you don't want to restart the machine after the `ib_burn` application completed you should run: `"ib_burn.exe -a -y < n.txt"`

"y.txt" is a file that has one line "y" and CR

"n.txt" is a file that has one line "n" and CR

Voltaire products documentations web link:

<http://www.voltaire.com/support.htm>