| Doc. reference :<br>**DT-ENG-038-EN** | **FAQ** | |
|---|---|---|
| **Product** :  Bull Blade Series – Bull Blade Chassis – Standard<br>Bull Blade Chassis - Enterprise | | Issued :<br>**March 31ˢᵗ, 2011** |
| **Object** :     Qlogic link to Brocade switch configuration fails, stuck in G-Port | | |
| **Abstract** :   This note explains how to solve this problem | | |

**Problem :**
A link failure may occur when a Qlogic 8GB FC Expansion Card (CIOV) and a Brocade 20-port 8-GB Fibre Channel Switch Module (FCSM) are configured with a fiwed speed setting of 4GB or 8GB and the blade facing port type is G-Port.

To determine the current port type, telnet to the FCSM and execute the command « switchshow ».

Excerpt from the « switchshow »

2  2   040200            cu            8G            Online        FC      G-Port

**Affected configurations**

The system may be any of the following chassis and servers

- Bull Blade Chassis – Standard (MI= BLCNSB0-2000, BLCNSB0-2320)
- Bull Blade Chassis – Enterprise (MI= BLCBUBx-2900, BLCBUB3-2980)
- novascale BL265
- novascale BL265LV
- novascale BL265+

The system is configured with one or more of the following options:
- Brocade 8Gb 20-port SAN Switch Module (MI= CFSNSB0-208G)
- Qlogic 8GB FC Expansion Card (CIOV) (MI= CFSN203-8000)

**Solution**

A defect was identified in Qlogic firmware that causes the locked G-Port issue on Brocade switches. It was fixed in Qlogic firmware 05.03.04 and above.

The following drivers have a version of firmware at or above 05.03.40 and resolve the locked G-Port issue:

**Vmware ESX4.1:**
Driver version 841.k1.16-2-1vmw which contains firmware 5.03.06 is available on Bull Support On Line at the following URL:
http://support.bull.com/ols/product/platforms/ns/uline/blade/hba/dl/drvf/g/QlogicHBA

**Red Hat Enterprise Linux 5.5, 64-bit version:**
Driver version 8.03.03.15.05.06 which contains firmware 5,03,13 is available on Bull
Support On Line at the following URL:
http://support.bull.com/ols/product/platforms/ns/uline/blade/hba/dl/drvf/g/QlogicHBA

**Windows driver 9.8.1.25**
Driver version 9.8.1.25 is available on Bull Support On Line at the following URL:
http://support.bull.com/ols/product/platforms/ns/uline/blade/hba/dl/drvf/g/QlogicHBA
The driver is listed as boot from Storage Area Network (SAN) but as been approved as
supported for general use.

**Workaround**

In some cases rebooting the blade will recover the link.