Doc. reference : **DT-ENG-026-EN**	**FAQ**	*(Bull logo)*
Product : Bull Blade Series – 4Gb Brocade switches		Issued : **April 12th, 2010**
Object : 4 Gigabit Brocade switches warning messages with flash update 6.2.0e		
Abstract : This note gives a workaround		

Problem :

The following error repeats in the switch event logs:

FW-1435
Message <timestamp>, [FW-1435], <sequence-number>,, WARNING,
<system-name>, Switch status change contributing factor Flash: usage out of range.

And when you connect to the web session management, you get the following event information:

⚠ Warning	Res Flash 0, is above high boundary(High=90, Low=0). Current value is 96 Percentage(%).
⚠ Warning	Switch status changed from HEALTHY to MARGINAL.
⚠ Warning	Switch status change contributing factor Flash: usage out of range.

Cause

Probable cause indicates that the switch is not in a healthy state but in marginal state. This occurred because the flash usage is out of range. The policy was set using the following command:

switchStatusPolicySet.

As the firmware upgrade load module sizes have increased, the amount of flash memory used has also increased.

Affected configurations

The system is configured with one or more of the following switches:

Brocade 10-port 4 Gb SAN Switch Module MI= CFSNSB0-4000
Brocade 20-port 4 Gb SAN Switch Module MI= CFSNSB0-5000

Workaround

The following two (2) commands will clear the flash:

1. Running the supportsave -R

2. Log in to root/fibranne and run the "cleanup" command.

It should be safe to run during production as the files that are removed do not belong to any package.

NAME
        cleanup – Removes any obsolete files in switch file system.

SYNOPSIS
        cleanup [-n] [-p | -s]

DESCRIPTION
        This utility will check for any obsoleted files that are in the file system that do not
        belong to any package, and will then remove them. These files may result from the
        firmwareCommit command.

        The following list of directories are checked:

        in /etc/cleanup.conf.

        -n Does not physically remove the obsoleted files, but reports them.

        -p Doing cleanup on primary partition only.

        -s Doing cleanup on secondary partition only.

        By default, this utility will remove obsoleted files on both partitions.