



VirtuaLUN V5.4.2 Release Notes

December 2009

This release is for the following:

- SANBlaze VirtuaLUN FCoE Systems
- SANBlaze VirtuaLUN Fibre Channel Systems
- SANBlaze VirtuaLUN 6G SAS Systems
- SANBlaze Value/Enterprise Software only installations

FCoE Changes:

- 1627 – Fixed CVL issue from Cisco Nexus Switch in NPV mode
- 1633 – Fixed issue where ports sometimes linking at 1G instead of 10G
- 1643 – Changed link reset to flap the link if possible
- 1644 – Fixed issue where FCoE taking a long time to select an FCF

FCoE Errata:

If SendOffload is disabled and you are writing and reading from the same LUN. It is possible that there will be a CRC error on the received data.

The reason for this is the CRC is calculated on the data before it has been sent. The writing initiator can change the data and the calculated CRC is no longer correct. When the Target sends the Data it's the newly written data but uses the CRC from the old data. This results in a CRC error being detected by the system doing reads.

FC Changes:

- 1599 – Fixed issue where mesh of 65 initiator ports x 65 target ports was not working correctly
- 1645 – Fixed issue where RSCNs were being incorrectly handled from new Brocade switch
- 1654 – Fixed issue where target quick setup was losing any custom OUI that had been set
- 1655 – Added FCP2 support for 8G ports
- 1681 – Fixed WWNN's so they don't start with invalid 1XXX.. value

SAS Changes:

- 1582 – Fixed port going offline when injecting errors
- 1617 – Fixed advertising target capability in target mode instead of initiator/target
- 1641 – Fixed issue where task management commands were not being sent from initiator ports
- 1662 – Fixed issue where hot swapped sas disks were not always detected properly by initiator port

SAS Errata:

Only a single path (narrow or up to 4-wide) is permitted when connecting to a given SAS address (expander or end device).

Generic Changes:

1259 – Fixed issue where TimeIOs was not working on initiator ports

1590 – Added support for ModeSense10/ModeSelect10

1611 – Fixed issue where scope feature on web was not working for unique inquiry per port option

1612 – Fixed issue where latency measurements were not working for initiator ports

1613 – Fixed issue where iometer kit was not showing latency measurements

1614 – Added support for IBM 3650M2 system for software only installations

1616 – Fixed issue where emulated tape drives larger than 2TB was not working properly

1618 – Added 4K block size support for target luns

1661 – Fixed issue where write corrupt error injection was not always corrupt properly

A new port mapping feature has been added to this release for Software Only installations. This will allow you to map the physical ports in your system to reflect properly within the GUI. The GUI can then be setup to show ports in the same order as they are physically laid out.

Instruction for mapping out the physical layout of VLUN system ports:

You will need:

- 1) Physical access the VLUN system.
- 2) A switch or loop back connector that can bring a port online.
- 3) Console or ssh access to the VLUN system.

Steps:

1) Open an ssh session or login from the console to VLUN.

2) At the command prompt, type

```
[root@virtualun ~]# config_portmap
```

follow the instructions, enter Slot orientation, number of slots and number of ports in each slot. Then use a connection to a switch or loopback connector to bring each port online, one by one. When the command finishes, you will have mapped out the ports.

You can then go back to the GUI and the port order and graphics should reflect the physical map of the chassis.