VirtuaLUN™ iSCSI Target Storage Emulator

Feature Overview

Hardware:

- 10G Ethernet iSCSI ports: 2, 4, 8 or 12 Ports

Software Features:

- Display and configure iSCSI operating parameters
  - Immediate Data
  - Initial R2T
  - Max Outstanding R2T
  - Max Data Segment Length for Receive and Transmit
  - Max Burst Length
  - Header and/or Data Digest
- Configure iSCSI security parameters: CHAP user name and passwords for initiator and/or target
- Display iSCSI session information and configure session parameters
  - Session ID, IP address and Port number for source and destination, Header/Data digest type.
- Ability to transmit network traffic simultaneously to simulate load conditions Network Counters
- Port
  - VLAN support
  - Custom MAC address
  - Configurable MTU
  - Port Status
  - Display, Clear, Define Interval of Port Statistics
  - Port Configuration
  - Set State and number of targets
  - Port/Network statistics and Real time performance

- Target
  - 64 Targets per port
  - Configurable IQN (iSCSI qualified name)
  - Tape or Storage Array Emulation

- LUN
  - Variable Size – Up to 100 TByte
  - 3 Memory configuration options
  - Zero, fixed or variable latency
  - Save/Restore Data files to LUN
  - Seed a Binary or Data File or Pattern to a LUN
  - Possible 512 LUNs per port
  - Profiles – Use predefined or build drive or tape profiles
  - Variable Block Size (512, 520, 524, 528 or 4096 Byte)

Error Capabilities:

- Error Injection:
  - Single or Multiple Errors per command
  - By Number of I/O's
  - By Time
  - Error Conditions on specific LBN or CDB

- Error Conditions:
  - Busy
  - Drop
  - QueueFull
  - CheckCond
  - Read Over/Read Under
  - WriteOver/Write Under
  - ReadDelay, WriteDelay
  - Out of order Data
  - Data Corruption
  - Bad Block
  - Bad Status

Enhanced Command Features:

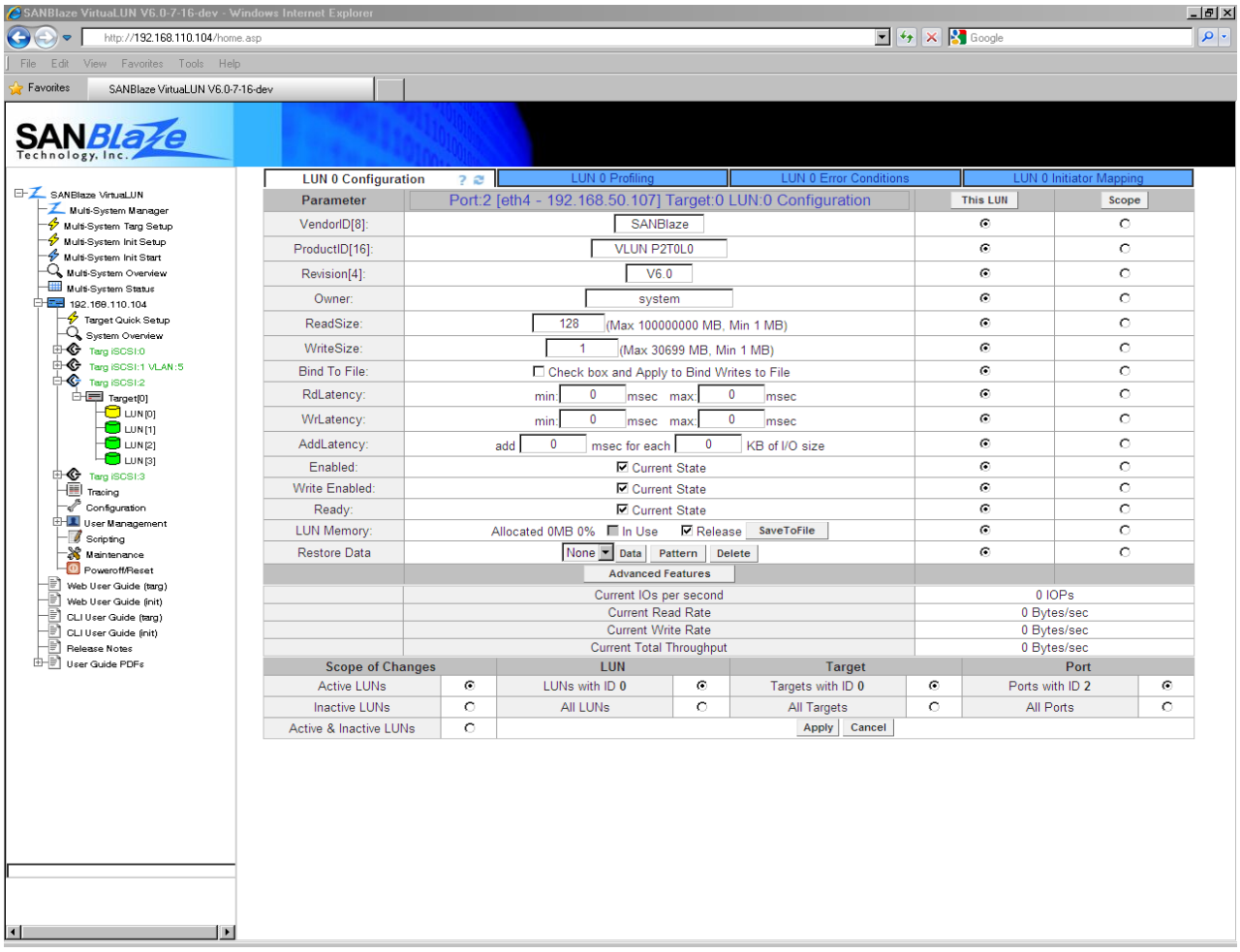
- 6/10/12/16 byte CDB
- CDB Histogram – Logging of command frames
- Persistent Reservations
- Reserve and Release
- User Definable Mode, Diagnostic and Custom Inquiry Pages
- Selectable Queue depth

System Features:

- Web Based Interface
  - Quickly and easily set up, run and save multiple “disk” configurations
  - Configure Port, Target and LUN characteristics
  - Generate Errors
  - View Error Counters and Statistics
  - Build, Edit and execute Scripts
  - Online Documentation

- Command Line Interface
  - Run Individual or Looped Commands
  - Build and Execute Scripts
  - Execute Remote Scripts

- Additional System Functions
  - Trace capability
  - Packet Capture and Decode



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