

SANBlazter Initiator Overview



Overview:

The SANBlaze Initiator Emulator is a unique SAS test solution that provides simulation of a SAS Initiator ports. The software operates on existing SANBlaze VirtuaLUN and GargantuLUN SAS systems, and runs standalone or in conjunction with SANBlaze Target Emulation software.

Available in 8, 16 or 40 port SAS systems, the SANBlazter software behaves as a real initiator, not just a traffic generator or protocol tester, providing real login and command control. Features such as Read/Write/Compare testing, error injection and a custom command builder provide an environment to simulate Initiator test cases via script or an easy to use Web interface.

Predefined tests provide 1 click execution for:

- Maximum Data Throughput
- Maximum Number of IO's
- Random IO and Block Size

Specifications:

Hardware:

- ❑ SAS Ports or Phys: : 8, 16, 40 SAS Ports running at 1.5, 3, or 6 Gbps
- ❑ Auto Link Speed and Auto Topology Negotiation

Software Features:

- ❑ Configurable IO Generation
 - Block Size
 - Threads
 - Write pattern
 - Sequential/Random IO

- **Command Builder** - Build/send custom or predefined commands including:
 - Test Unit Ready
 - ModeSense
 - ModeSelect
 - ReportLuns
 - Inquiry and Inquiry VPD
 - ReadCapacity
 - Read (6,10, 12,16)
 - Write (6,10, 12,16)
 - WriteSame
 - Standard Reserve Operations (Reserve6, Release6)
 - PersistentReserve Operations
 - Variable Block Size

- **Data Testing**
 - Read/Write
 - Read/Write/Compare
 - IOMeter Integration

- **Discovery Methods**
 - ReportLuns
 - Scan LUN0
 - Scan All LUNS

- **Tape Support**
 - Tape Initiator Scripts

- **Trace Mode**
 - A viewable, time-stamped log of all IO's sent or received, including errors

Error Capabilities:

- **Customizable Error Handling:**
 - Retry on Error
 - Stop on Error
 - Adjustable IO timeouts

- **Task Management Commands**
 - Abort Task
 - AbortTaskSet
 - ClearTaskSet
 - ClearACA
 - LunReset
 - TargetReset

System Features:

- Web Based Interface
 - Quickly and easily set up, run and save multiple test configurations
 - View Statistic and performance in real time
 - 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

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