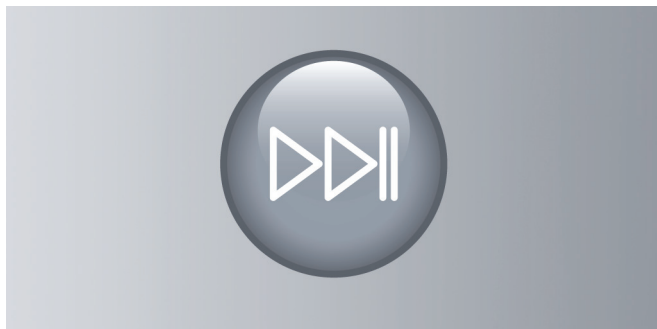




Endace Capture Replay



Endace Capture Replay Systems are high-performance network traffic recording systems with flexible traffic replay capabilities. Capture Replay systems are typically used in laboratory environments as test and measurement tools for validating and testing the performance of specific systems and network elements. Unlike traditional test and measurement tools, Endace Capture Replay enables users to test network elements using their own network traffic as opposed to synthetic data.

Capture Replay systems can record up to 16TB of live network traffic at speeds up to 10Gb/s. To ensure the broadest application, Endace Capture Replay Systems are configured with 2 x 10 GE monitoring ports. By leveraging the power of Endace DAG® I/O technology, the accuracy, timestamping and placement of captured packets in the trace file is guaranteed.

Two different Capture Replay systems have been developed to meet the needs of different network throughputs.

In addition, the same systems can also be configured with a fibre channel HBA port that enables large trace files to be archived for efficient later retrieval and replay. This allows a huge library of trace files to be built and selectively copied to the local RAID array for specific test scenarios.

KEY FEATURES

- 100% accurate traffic recording to disk at up to 10Gb/s
- Ability to replay traffic with precise packet placement at any speed up to 10Gb/s
- Dynamic rate reconfiguration
- Ability to trigger transmit with nanosecond accuracy
- Ability to create a library of replay files
- Configurable control on which system ports replay occurs
- GUI, CLI and SOAP API for management and status

TRAFFIC REPLAY

Once captured, network traffic can be replayed through both monitoring ports at varying speeds for a variety of different purposes. Traffic replay can be configured through a GUI, CLI and/or SOAP commands.

Replay controls include:

- Speed up to replay at a specified Gb/s rate
- Slow down to replay at a specified Gb/s rate
- Triggered replay providing the ability to start a replay at a predefined time
- The ability to change the replay rate during a live transmission
- Schedule replay based on system time or a timestamp trigger

MODEL	WRITE-TO-DISK SPEED	TOTAL AVAILABLE STORAGE	CONFIGURATION
HIGH-CAPACITY STORAGE MODEL	7Gb/s	16TB or 32TB	3U 2 x 10Gb/s ports
PERFORMANCE STORAGE MODEL	10Gb/s	9.6TB	3U 2 x 10Gb/s ports



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TECHNICAL SPECIFICATIONS

MODEL	HIGH-CAPACITY STORAGE MODEL	PERFORMANCE STORAGE MODEL
HOT SWAP DATA STORAGE	16TB or 32TB SATA	9.6TB SAS
FIBRE CHANNEL SUPPORT	option	option
MANAGEMENT INTERFACES	2x 10/100/1GbE	2x 10/100/1GbE
POWER SUPPLY	1 + 1 Redundant AC with auto-range voltage: - 110-140V: 1000W, 50-60Hz, 8.0-11.5Amp, or - 180-240V: 1200W, 50-60Hz, 5.5-8.0Amp	1 + 1 Redundant AC with auto-range voltage: - 110-140V: 1000W, 50-60Hz, 8.0-11.5Amp, or - 180-240V: 1200W, 50-60Hz, 5.5-8.0Amp
SIZE	3U -19 inch rack mount	3U -19 inch rack mount
DIMENSIONS	Height: 132mm (5.2") Width: 483mm (19") Length: 648mm (25.5")	Height: 132mm (5.2") Width: 483mm (19") Length: 648mm (25.5")
WEIGHT	35.9kg (79lbs) approximately depending on configuration	35.9kg (79lbs) approximately depending on configuration
MAXIMUM POWER CONSUMPTION	750W	750W
OPERATING TEMPERATURE	10-35°C (50-95°F)	10-35°C (50-95°F)
OPERATING HUMIDITY	8-90% non-condensing	8-90% non-condensing
MAX. HEAT LOAD IN BRITISH THERMAL/HR	2559 BTU/HR	2559 BTU/HR

MONITORING PORTS

MODEL	HIGH-CAPACITY STORAGE MODEL	PERFORMANCE STORAGE MODEL
INTERFACE TYPE MAX PORTS (ALL MODELS)	2x 10GbE DAG® I/O ports	2x 10GbE DAG® I/O ports

PERFORMANCE METRICS

MODEL	HIGH-CAPACITY STORAGE MODEL	PERFORMANCE STORAGE MODEL
CAPTURE-TO-DISK RATE*	7Gb/s sustained capture/replay	10Gb/s sustained capture/replay

* Characterises the sustained write-to-disk performance from user space to the storage array when configured in RAID. Guideline figure based on simulated usage.

For more information on Endace products please visit: endace.com or email: enquiries@endace.com