

HX550

Enterprise Flash Hybrid Storage with unique data recovery “to-the-second”, exceptional performance and efficiency



Key Benefits

- ✓ Instantly recover data from any second in the system's history
- ✓ Flash performance at disk-based pricing using unique tiering and in-line, in-memory deduplication and compression
- ✓ Eliminates fabric, capacity, snapshot and consistency group management
- ✓ Solutions for leading enterprise software and applications from VMware®, Microsoft® and Oracle®.

The Challenge

Since the introduction of snapshots, there has been no major innovation in the data management capability for primary storage. Snapshots are unsuitable for today's requirements with limited granularity of recovery points, leaving application data at risk for long periods of time. Managing thousands of snapshots is just not practical anymore.

Legacy storage remains primarily disk-based, with low performance and inefficient storage. All-flash arrays and cache-based hybrid arrays tried to provide a solution, but using flash exclusively is expensive while adding flash-only as a cache is a point solution.

The HX550 Flash Hybrid

The HX550 flash hybrid storage arrays, based on Reduxio's TimeOS™ storage operating system allow you to recover application data to any second in the past, eliminates most of the complexity associated with managing storage, and provides exceptional performance and efficiency, far exceeding anything available today.

TimeOS™ Capabilities and Attributes



BackDating™

BackDating obsoletes snapshots. BackDating is enabled by an innovative metadata representation that allows the user to access data from any second in the past without the capacity or performance overhead of traditional snapshots.



NoDup™

NoDup in-line in-memory deduplication and compression offers unparalleled storage efficiency and density. Data reduction is global and is applied the instant data comes off the wire – storage cache is deduped and compressed, and subsequent movement of data in the system is in optimized form.



Tier-X™

Tier-X provides the cost benefits of tiering and the performance benefits of caching. Fine-grained, continuous and autonomous tiering of optimized data ensures that the system is reactive to the changing needs of applications. Multi-tier capability and media awareness ensures that the technology stays relevant as new media types become available in the future.



Simple

Simplicity is an idea that is at the heart of our world-view and provides customer focus in all our technology development activities. We've eliminated the complexities that are all too common in storage systems. Our products can be installed in just 15 minutes, new feature capabilities require no learning, and built-in remote support capability allows us to help you when needed.

Key Features

NoDup – Always-on in-line in-memory dedupe and compression that reduces space usage across cache, tiers, volumes and history.

Clone/Revert to Any Second – Instantaneous recovery to any precise second in the past without moving data.

Multi-level Independent Thin Clones – Thin, virtual writeable clones do not depend on the source volume.

Bookmarks – Mark specific timestamps for future recovery and cloning.

Granular History Management – Global and per-volume management of history expiration times.

Automatic Consistency – Recover databases and applications stored across volumes multiple without the need to plan and configure consistency groups.

Reduxio Storage Manager – Intuitive, simple to use, touch-based storage management web interface for standard and mobile devices.

ReduxioCLI – Configure, manage and automate using a command-line interface with unique directory-like structure.

StorSense™ – Cloud-based solution providing automated service and support for Reduxio storage systems.

Product Specifications

Form Factor	Dual-controller in a 2U chassis
Capacity	38.4TB raw, 150TB+ effective capacity
SSD	8x 800GB eMLC
HDD	16x 2TB 7.2K NL-SAS
Cache	256GB DDR3 ECC
Network Ports	4x 10GbE SFP+ for iSCSI, 2x 1GbE RJ45 for Management
Supported Hosts	Windows Server 2008/2012/7/8/8.1, VMware® ESXi 5.5/6.0 Red Hat Linux® 5/6/7, Oracle Linux 11/12, CentOS 5/6/7, SuSE 11/12, Oracle Solaris 11
Protocols	iSCSI, HTTP, HTTPS, SSHv2, DNS, SMTP, Secure SMTP, NTP
Storage Management	Reduxio Storage Manager, ReduxioCLI, SNMP traps, Alerts
Features	NoDup™, BackDating™ Clone/Revert, Bookmarks, History Policies, Automatic Consistency, StorSense
Additional Software	<i>Reduxio Storage Manager for VMware vSphere</i> - Storage management console for VMware virtualized infrastructure that provides integrated configuration and datastore recovery <i>Reduxio Storage Manager for Microsoft</i> - VSS provider for application consistent backup on Microsoft Windows using BackDating

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