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UNITY™ NV6000
Enterprise-Class Unified Storage with Immutable Snapshots

Optimizing Workload Flexibility and Storage Efficiency

Unity™ NV6000 is a unified storage system designed to efficiently handle diverse mixed workloads, making it an ideal choice for Small and Medium-sized Enterprises. It offers the flexibility and performance required to meet the demands of both physical and virtual environments.

What sets Unity NV6000 apart is its unified architecture, seamlessly supporting Block and File operations, along with S3 Object Storage. This integrated approach simplifies storage management, reducing complexity and enhancing overall efficiency. With its extensive support for multiple data access protocols, including native iSCSI, FC, NFS, SMB and S3, Unity NV6000 ensures effortless integration with a wide array of enterprise applications.

Immutable Data Protection

Unity NV6000 introduces robust data protection from accidental or malicious alterations through its Immutable Snapshot functionality, offering an advanced layer of security and data integrity. Once retention period settings are established, these snapshots become irrevocable, ensuring data fidelity. Rigorous access controls are in place to deter unauthorized access and fend off cybersecurity threats, making these snapshots impervious to any modification or deletion attempts.

Unity's S3 Object Store introduces object locking, enforcing Write Once, Read Many (WORM) immutability for data preservation. Additionally, Unity NV6000 seamlessly integrates with Nexsan Assureon®, offering an Unbreakable Backup immutable storage solution that takes data protection to the next level, guaranteeing the security and recoverability of your critical business data. Unity NV6000 offers a reliable and robust way to safeguard your data.

FASTier® Caching Accelerates Performance

Nexsan's FASTier acceleration technology leverages the power of solid-state to accelerate the performance of the underlying spinning disks by a factor of up to 10X. SSD drives in the front bay are utilized for caching purposes, significantly enhancing overall system performance. FASTier realigns the balance between cost, capacity, and performance by offering the speed of solid-state with the capacity and cost-efficiency of spinning disk. This storage-based caching system features a fault-tolerant architecture that intelligently caches both reads and writes, making it particularly invaluable for supporting virtual desktops and demanding workloads.

High Availability

With its dual-active controllers, Unity NV6000 not only ensures high availability but also enhances data redundancy, reducing the risk of disruptive downtime and ensuring uninterrupted business operations.

The Ideal Unified Storage Solution for Modern IT

Unity NV6000 is a great choice for businesses in search of an affordable, versatile, and easily managed unified storage system. Tailored to meet the demands of modern IT environments, it excels in consolidating SAN and NAS workloads while simplifying storage infrastructure management. Its adaptability, reliability, data protection, scalability, and streamlined management ensure it's poised for long-term success in the ever-evolving digital landscape.

UNITY **NV6000**

Category	Feature	UNITY NV6000
ENTERPRISE FEATURES	Security, Compliance and Ransomware Protection	Unity includes support for immutable volume and file system snapshots, S3 object locking and integrates with Assureon active data vault allowing enterprises to address a wide variety of data protection use cases.
	Supports Multiple Protocols	SAN (Fibre Channel, iSCSI), NAS (NFS, CIFS, SMB1 to SMB3, FTP), Object (S3) 16/32Gb FC, 10/25/40/100 GbE
	Unbreakable Backup	When utilizing Unity plus the optional Assureon for backups, the immutable backup solution protects from ransomware attacks and can be implemented in various configurations including tiered, replicated and high availability.
	FASTier® Caching	Nexsan's FASTier acceleration technology leverages the power of solid-state to accelerate the performance of the underlying spinning disks by a factor of up to 10X.
	User Interface	Unity includes both a built-in HTML5-based UI and a comprehensive Command Line Interface (CLI). The Unity UI allows an administrator to easily manage and monitor a Unity deployment, regardless of size, from anywhere with just a web browser.
	PCI Compliance	Unity supports TLS 1.2 for PCI compliance.
	Authentication	Active Directory, LDAP, and Local
	Host Platforms	All major platforms including Windows, Linux, Mac, VMware ESX, Hyper-V, Xen
	Data Services	Advanced data reduction, thin provisioning with dead space reclamation, replication, and immutable snapshots.
	Flexible Configuration	Unity NV6000 is optimized to deliver unified storage with the support of file, block, and S3 object store. The NV6000 supports customizable RAID setups with accelerated reconstruction.
	Performance	Up to 100K IOPs
	3rd Party Software Supported	Windows VSS, VMware VAAI, Commvault, Veeam Ready Repository & More
	High Availability	No single point-of-failure architecture with dual redundant storage controllers, redundant power supplies and RAID.
SYSTEM CONFIGURATION	Controllers | Form Factor | # Expansions Supported	2 | 4U | up to 2
	Maximum Drives | Max Capacity | with Expansion	180 | 1.12PB Raw | 3.36PB Raw
	System Memory (DRAM)	Up to 128GB per Controller
	FASTier 2.5" SAS SSDs (TB)	1.92 | 3.84 | 7.68 | 15.36
	3.5" 7.2K Drives (TB)	4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 | 20
	Network Connectivity)	16/32Gb FC | 10/25/40/100 GbE

ABOUT **NEXSAN**

Nexsan® is a global leader in enabling customers to securely store, protect, and manage data. Established in 1999, Nexsan has earned a reputation for delivering the most highly reliable, secure, and cost-effective storage, while always remaining agile in order to continuously deliver purpose-built storage and data management solutions that meet complex and everchanging IT, business, and budgetary requirements. Nexsan's patented technology is ideal for a variety of use cases including Financial, Healthcare and Life Sciences, Government, Military, Law Enforcement, Education, Media and Entertainment, and Call Centers. For further information, please visit: www.nexsan.com.