NEXSAN
A StorCentric Company

UNITY™ 3300 & 7900 UNBREAKABLE BACKUP

Unity™ Offers a Dual Approach to Manage and Protect Your Backup Data

Backup is an essential part of an organization's overall data management strategy. It is clear that the ability to store and access data isn't sufficient, and that maintaining consistent copies of data and being able to access it at any time, is integral to business.

The Unity storage solution has been proven to be a reliable and performant backup target for many backup applications; however as ransomware attacks have evolved, backups have become a target of these threats, putting companies at a greater risk. If you've been lucky enough to survive your first ransomware attack, be ready because ransomware is a repeat offender.

Unity™ Offers a Unique Approach with Unbreakable Backup

You need to protect all of your unstructured data - all the way through the backups. Backups have been the latest malware targets basically eliminating any chance of recovery. With Unity and the Assureon®, an active data vault, working together, the solution creates an immutable copy of any data tiered to the Assureon.

Assureon utilizes Private Blockchain to protect and store digital assets in an immutable data structure, utilizes cryptography to secure transactions and relies on an automated integrity audit at the redundant sites to maintain data integrity and transparency. Combined with the Assureon unique file fingerprinting and asset serialization process, metadata authentication and a robust consensus algorithm, Assureon protects data in a format that guarantees integrity and malware protection. Unity with Assureon can be utilized for all active data and/or for an Unbreakable Backup.

BACKUP SERVER → UNITY™ ↕ ASSUREON® ⇢ ASSUREON®
Optional High Availability, Second Site Assureon

Unity™ for Backup

The advanced Unity architecture supports block and file access allowing it to integrate easily with any backup solution. Unity is a Veeam Ready Repository and has been utilized in countless backup environments including CommVault.

Data integrity and availability are key features of the Unity array. Policy-driven and scheduled data integrity checks scrub the data for faults, and auto-heals these without any user intervention. Dual controllers and RAID-based protection guarantees data access in the event of component failure. The replication capabilities enable you to keep an additional copy of your backups on a different site for disaster recovery and high availability. Together, these make the Unity a robust backup storage solution.

BACKUP SERVER → UNITY™ ⇢ UNITY™
Optional Second Site

UNITY 3300 & 7900

Category	Feature	UNITY3300	UNITY7900
ENTERPRISE FEATURES	Data Migration and Cloud Connector	This optional functionality includes a cloud connector to 18 public clouds, including Amazon S3 and Google Cloud Storage. The migration utility is utilized for ingest to quickly migrate off of your legacy system into the new Unity platform.	
	Security, Compliance and Ransomware Protection	By adding the optional Assureon® active data vault, unstructured data can be tiered into a unique immutable format protecting organizations for regulatory compliance and from malware attacks and data loss.	
	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. See Assureon Spec Sheet for details.	
	Flexible Configurations	Unity is optimized to deliver the capacity and performance you need whether it's a hybrid configuration or an all-flash, making it easy and affordable to meet application needs.	
	Supports Multiple Protocols	SAN Protocols (Fibre Channel, iSCSI), NAS Protocols (NFS, CIFS, SMB 1.0 to 3.0, FTP)	
	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 snapshots	
	Performance	500,000+ IOPs	
	Third Party Integrations	Windows VSS, VMware VAAI, Backup Solutions: Commvault, Veeam Ready Repository & More	
SYSTEM CONFIGURATION	Disk bays | Rack U | # JBODs Supported	16 | 3U | up to 2	24 | 2U | up to 8
	Supported Expansion Systems	US224* | US316 | U2G460 | E-Series for SED	US224* | U2G460 | E-Series for SED
	Maximum Drives with Expansion HDDs | SSDs	120 | 64	480 | 216
	Maximum Raw Capacity Not Compressed HDDs | SSDs	1.68PB | 983TB	6.72PB | 3.31PB
	Controllers	2	
	System Memory (DRAM)	256GB	448GB
STORAGE MEDIA	FASTier Write Cache	1.6TB SSD	16GB NVDIMM
	FASTier Read Cache Drive Capacities	1.6TB SSD	
	3.5" 7.2K RPM SAS HDDs (TB)	4 | 6 | 8 | 10 | 12 | 14 | 16**	
	2.5" SAS 1DWPD SSDs (TB)	800GB | 1.92 | 3.84 | 7.68 | 15.36	
	Self-Encrypting Drives (SED)	Requires E-Series Expansions - see Spec Sheet	

*For an All-Flash Configuration only the US224 is supported for expansion.

**16TB Drives not supported on U2G460 System Expansion.

ABOUT NEXSAN

Nexsan® is a global enterprise storage leader since 1999 delivering the most reliable, cost-effective and highly efficient storage solutions. Nexsan's solution portfolio empowers enterprises to securely store, protect and manage valuable business data with a broad product line of all-flash NVMe, unified storage, block storage, and secure archiving. Nexsan is a proud member of the StorCentric Family. www.nexsan.com