

OneXafe® 4500 series

Immutable Scale-Out Capacity Storage



Arcserve OneXafe combines object-based scale-out storage architecture with plug and play application compatibility. OneXafe integrates a robust scale-out filesystem over object-based storage, offering native immutability. It has built-in enterprise-grade features such as inline deduplication, compression, continuous data protection, encryption, zero-configuration storage expansion, and real-time replication of wide area networks for disaster recovery. OneXafe 4500 series delivers scale-out storage for TBs to PBs of unstructured and backup data.

Benefits offered by the latest OneXafe 4500 series

- Increased security with larger data stores
- Maximize storage investments
- Improved scale-out configurability
- Significantly lower TCO

OneXafe is a native immutable store for backup and unstructured data. Ransomware attacks can encrypt files and cause irreparable damage, but with an immutable store, you can retrieve an unaltered copy of your data. This logical air gapping technique aptly fills the last '1' in the '3-2-1-1' strategy, protecting data from ransomware attacks.

Scale-Out Architecture

Storage on the Go

OneXafe employs a seamless scale-out architecture supporting one or multiple OneXafe nodes in a cluster and a single global file system. OneXafe's architecture enables enterprise features such as global inline deduplication, compression, and continuous data protection. Organizations no longer have to allocate extraneous storage capacity dedicated solely for data protection. As business storage requirements change, OneXafe is extremely agile; simply add any number of disk drives, at any time, and in any capacity granularity to meet your storage requirements. OneXafe grows the global storage pool without any configuration changes and without any application downtime. No more fork-lift upgrades.

Dynamic Growth

In just a few minutes and without reconfiguration, OneXafe automatically pools the new storage within the existing global file system. No disruption to applications or users. No configuration settings to complete. No mouse clicks. No command line entries. No storage PhD required.

Cloud-Based or On-Premises Management

Organizations have a choice of using a cloud-based management system or an on prem management system. A secure cloud-based management platform allows you to manage OneXafe from any location and from any web browser. OneXafe is deployed on-premises, so the information is closest to the application for performance, while OneSystem is cloud-based for scalability and for accessibility from any browser anywhere. For organizations that need an on-premises management platform for OneXafe, Private OneSystem can be deployed as a virtual machine within a customer's data center while retaining the benefits of a cloud-based management solution.

OneXafe Capacity Use Case Examples

- Ransomware protection
- Natively Immutable Storage
- Backup target for third-party backup apps
- Unstructured data, file serving, video surveillance & archive files (imaging/ video/ CAD/PACs)
- NAS-silo consolidator with extended DR
- VMware clones

Highlights

Powerful

- Scale-out object-based file system for non-disruptive capacity and performance expansion with zero re-configuration
- Inline deduplication and compression to maximize storage utilization without performance impact

Simple

- Easily manage on-premises OneXafe in any location from any browser
- Multi-tenant cloud-based OneSystem provides real-time storage and health monitoring the state of every OneXafe node, installed disk drive, network, remotely replicated storage and more

Protected

- Always-on continuous data protection (CDP) capabilities, defined on per-share basis, enable fine-grained data recovery
- Real-time replication enables protection against multiple drive failures, ransomware, and disaster recovery
- Encryption at rest



Agile and Affordable

OneXafe's agility to add storage at any time comes with the additional benefit of delivering significant cost savings. Offload unstructured data from expensive primary storage infrastructure (SAN/NAS) to OneXafe, substantially extending the life of your primary storage system, while saving costs. Combined with OneXafe's powerful inline deduplication and compression, storage utilization is maximized, and waste is minimized.

Near-Zero Configuration

OneXafe can be installed and available to users in less than five minutes without reconfiguration – near-zero configuration. Simply plug in Ethernet, power, and turn it on. It's that easy. OneXafe removes the burden of application downtime and configuration changes for nearly every storage management task, including replacing failed drives. To add more storage, simply add drives and the capacity is added to the same global file system. To increase availability or performance, additional OneXafe nodes can be added and automatically configured without interruption to applications or users. This provides organizations with nondisruptive scalability for their business.

Continuous Data Protection

OneXafe's continuous data protection ensures that all of the stored information is fully protected. By taking continuous and unlimited snapshots of information that's written to OneXafe, every file can be easily recovered in the event of data corruption, deletion, ransomware, or other errors. In fact, end

users can recover their own information, simply by navigating through Mac Finder or Windows Explorer.

Always-On Information

With its real-time replication, information stored in a OneXafe cluster is fully protected. By avoiding legacy RAID technologies, OneXafe transparently replicates and intelligently distributes the data objects across multiple drives within a failure domain and protects against both drive and OneXafe failures. Additionally, with its advanced architecture, information is protected against an entire cluster failure when replication over wide-area distances is implemented. OneXafe grows with your data protection requirements without requiring costly downtime, reconfiguration, or forklift upgrades.

Integrated Data Protection

OneXafe offers organizations the option to enable and configure enterprise-class data protection with secondary storage. It provides flexible deployment to accommodate various workload requirements. OneXafe is a comprehensive secondary storage solution for backups and unstructured data. OneXafe removes the need for siloed solutions, minimizes costs incurred from both standalone hardware and software solutions, and eliminates redundancy in management.

Technical Specifications	OneXafe 4512-96	OneXafe 4512-144	OneXafe 4512-216
Drive Bays	100-240V AC, 10.7 – 4.2A max		
Max Raw Capacity	96TB (8 disks with capacity of 12 TB each)	144 TB (8 disks with capacity of 18TB each)	216 TB (12 disks with capacity of 18TB each)
System Input Requirements	100-240V AC, 10.7 – 4.2A max		
Power Supply	Dual output power 750W; output voltages +12V (75A), +5Vsb (4A)		
Weight (empty, no disks)	73 lb. (33.1 kg)		
Space Requirements (W x H x D)	19 x 3.4 x 28.1 in. (482 x 86.8 x 715.5 mm); 2 Rack Units (RU)		
Hard Drive Type	3.5" SATA (6 Gb/s) / SAS (6 Gb/s and 12 Gb/s)		
Operating Temperature and Humidity	10° C to 35° C (50° F to 95° F)		
Cooling	6 variable-speed fans		
File Service Protocols	SMB (1.0, 2.0, 2.1, 3.0); NFS v3		
Gigabit Ethernet Ports	4 x 10GbE BASE-T or 4 x 10 GbE SFP+		
USB Ports	2 x USB 3.0 (front)		
Remote Lights-Out Management	iDRAC via 1GbE port		
Electromagnetic Emissions and Compatibility	FCC Class A, EN 55022 Class A, EN 61000-3-2/-3- 3, CISPR 22 Class A		

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