OneXafe

Deeply Integrated Data Protection, Scale-out Storage, and Cloud-based Recovery

Complexity is Crushing Today's IT Organizations

Growing data volume, rising cost of downtime and data loss, limited storage capacity, business continuity, and inadequate backup and recovery performance are amongst the myriad of challenges that IT teams face today. Increasing complexity in data management workflows has further compounded these performance and capacity issues. This complexity continues to be exacerbated by today's fragmented data protection environments and the need to backup physical and virtual, on-premises and off-premises data, all with different service level agreements (SLAs). Backup and secondary storage infrastructure often comes from multiple vendors which significantly increase the acquisition costs and add operational inefficiencies. The multitude of point products create data silos making it difficult to manage centrally. An incomplete view of data protection workflow can lead to rising operational costs, data loss, and the inability to meet SLAs and specific industry regulations and compliance requirements.

There's a Need for a Scalable Data Infrastructure

The growth of virtualized applications, diminishing backup windows, and explosive data growth have collectively placed an immense burden on data protection and storage infrastructure requirements. IT organizations are looking for ways to deploy and manage data protection infrastructures at scale, reduce complexity with streamlined workflows, and improve cost of ownership by eliminating silos in data protection and storage. Additionally, IT teams are constantly challenged to balance capacity planning and storage costs, which often leads them to do fork-lift infrastructure upgrades as they struggle to adapt to dynamic requirements.

OneXafe. Unified. Simplified.

Converged Scalable Data Platform

OneXafe is a converged data platform that unifies enterprise-class data protection with scale-out storage in an easy-to-use, configurable solution. For businesses looking to protect and manage their data in heterogeneous environments, OneXafe eliminates complexity and provides flexible deployment to accommodate various workload requirements. At the same time, it significantly reduces costs associated with primary and secondary storage as well as data protection software.

By integrating data protection and scale-out storage from the ground up, OneXafe eliminates the complexity related to managing and protecting data. It removes the need for siloed solutions, minimizes costs incurred from standalone hardware and software solutions, and eliminates redundancy in management.

Highlights

Business Benefits

- Improve Productivity
- Simplify Deployment and Management
- Protect Data Reliably
- Recover Rapidly
- Recover Flexibly – P2P, P2V, V2P, V2V
- Safeguard Against Ransomware
- Scale Storage Dynamically
- Optimize Storage Utilization
- Reduce TCO

Comprehensive, Unified Data Management Platform

- Data Protection and Scale-out Storage
- Comprehensive data protection on-premises and DRaaS
- Complete Protection for Virtual and Physical Servers
- Primary and Secondary Storage

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StorageCraft.

Eliminate Operational Complexity

Simple Data Storage and Recovery Management: OneXafe unifies the entire storage management and data protection stack into a single, integrated data infrastructure, simplifying operations and eliminating management of disparate infrastructure units. Additionally, OneXafe can accommodate primary and secondary workloads, allowing for various storage use cases.

Optimized, Simple Workflows: OneXafe provides a single unified management workflow for the entire data protection and disaster recovery (DR) lifecycle. This workflow is optimized for simplicity, delivering visibility and insights into end-to-end SLAs.

OneXafe consolidates the components for managing storage, local backups, onsite and offsite replication, disaster recovery as-a-service (DRaaS), and their corresponding retention schedules all in a single place.

Enable Powerful Data Protection

OneXafe delivers industry-leading recovery time objectives (RTOs) and recovery point objectives (RPOs) for premium data integrity and business continuity. With its "set and forget" SLA-based, policy-driven protection and management, OneXafe automatically delivers the best selections, smart retries, and self-healing repairs. It ensures service reliability and assures that every machine is recoverable according to a specific backup, retention, and replication SLA.

Reliable Recovery: Ensure data integrity with automated, advanced reverification of backup images and with inflight verification of data. Recover every single time with a dependable complete system recovery.

Instant Recovery: Boot backup images as VMs in milliseconds with VirtualBoot IO read-ahead technology without waiting for recovery to complete and without the need for storage vMotion. Recover files and folder in seconds and entire systems in minutes.

Flexible Recovery: The ability to recover to dissimilar HW or virtual environments, ensures that recovery is timely and quick by utilizing the resources at hand and not waiting for any specific resources.

Scale-out Storage on the Go

Unlike other storage solutions with limited scalability, OneXafe is designed to offer a pool of scalable capacity for either primary or secondary workloads. OneXafe is a consolidation storage platform for both backup targets as well as unstructured data.

Expand Storage Seamlessly: OneXafe eliminates costs associated with over-provisioning and disruptive fork lift upgrades with its ability to expand storage dynamically and scale granularly – add one drive at a time, or multiple nodes within a cluster – all without any configuration changes to the application.

Minimize Storage Requirements: OneXafe keeps an organization's storage footprint in check with powerful data reduction technologies such as inline deduplication and compression. With high data reduction ratios, OneXafe reduces the costs of storage and operational expenses.

OneXafe allows IT teams to optionally purchase enterprise class drives at retail pricing, without the vendor markups driving down costs even more.

Total Business Continuity (with DRaaS)

OneXafe's tight integration with StorageCraft Cloud Services makes recovery of the entire infrastructure quick and seamless while offering the highest SLAs with one throat to choke.

Data Protection Features

- SLA-based data protection
- Host-based VM protection
- Agent-based protection
- Instant recovery with VirtualBoot
- Recovery of entire share in seconds by promoting an immutable snapshot (e.g., after ransomware attack)
- App-consistant restore
- Hardware independant recovery
- Modern, optimized console experience
- Unified data protection lifecycle management
- Enhanced inflight data verification
- Analytical reports
- Retained metadata for improved recovery

Storage Features

- Distributed file system
- Object-based storage
- All-flash (performance) or HDD-based (capacity)
- Encryption-at-rest
- Inline variable length deduplication and compression

DRaaS Features

- One-click failover to StorageCraft Cloud Services
- Purpose-built DR cloud solution
- Replication and DR as a Service
- Orchestrated on-cloud virtualization
- Highly customizable
- Seed/BMR drives & web download
- High availability - 99.999% uptime
- Self-service, one-stop portal

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