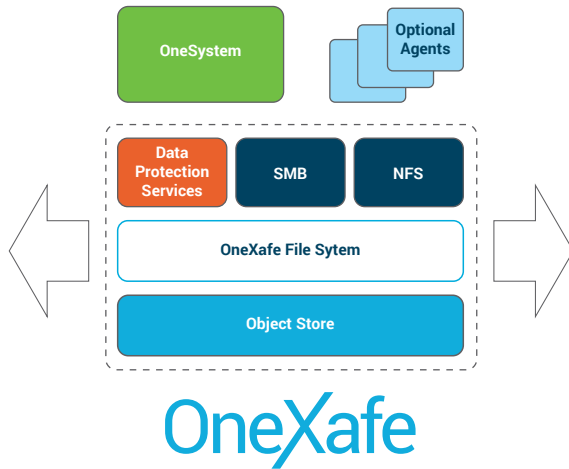


# OneXafe

StorageCraft® OneXafe® is a converged data platform that unifies enterprise-class data protection with scale-out storage in an easy-to-use, configurable solution.

## Architecture

At the core of OneXafe is a patented distributed object-based file system that delivers universal data access by providing NFS and SMB access to users and applications. Data protection services are directly integrated into OneXafe's distributed file system, delivering powerful backup and recovery, with a work flow optimized for simplified management. OneXafe tightly integrates with StorageCraft Cloud Services, with a single click it provides business continuity of data, network, and application recovery in StorageCraft's Cloud.



OneXafe's architecture is designed from the ground up and is a collection of interconnected, scalable, and easily manageable microservices that deliver robust data protection and storage access. It consists of three main components: Data Protection Services, Agents, and StorageCraft® OneSystem®. **OneSystem** is the management framework that orchestrates and manages the activities within Data Protection Services. The **Data Protection Services** deliver storage access and data protection procedures including backup, restore, replication, and storage. **Agents** are adapters for protecting physical servers and virtual machines (VMs) to deliver higher SLAs.

## OneXafe Highlights

Features	Benefits
Converged data platform	Unify data protection and scale-out storage for management simplicity and reduced acquisition costs
Simplified licensing	Reduce cost with simple site licensing model
Object-based distributed file system	Scale non-disruptively with zero configuration <ul style="list-style-type: none"> <li>Add capacity granularly to accommodate dynamic growth</li> <li>Grow capacity on-demand with no upfront investments and no fork-lift upgrades</li> <li>Clone or promote a prior immutable snapshot for testing/developing and instant recovery respectively</li> </ul>
Inline deduplication & compression	Achieve high data reduction rates resulting in smaller storage capacity footprint, reducing overall TCO
Continuous data protection	Simple online recovery of previous versions of files from space-optimized snapshots
Encryption at rest	Safeguard the data
Efficient multi-site replication	Implement cost-effective DR across multiple sites with 100% data integrity
SLA-driven workflow	Optimize workflow for SLA-driven data protection lifecycle <ul style="list-style-type: none"> <li>Manage explosive growth in data and virtualized applications</li> <li>Set &amp; forget policy for protection and management</li> <li>Global view of recovery points</li> <li>Single view to schedule/manage local backups, onsite/offsite replication, retention schedules and DRaaS</li> <li>Proactive error detection and alerting</li> <li>Single workflow to protect and manage both physical and virtual infrastructures</li> <li>SLA-oriented reporting and analytics</li> </ul>
Reliable recovery & data integrity	<ul style="list-style-type: none"> <li>Best-in-class certified VSS integration for app-consistent data protection</li> <li>Automated, advanced reverification of backup images along with inflight verification ensures dependable backup images</li> <li>Smart retries, and self-healing repairs ensures service reliability</li> <li>Retained metadata for improved recovery experience</li> <li>Cold file access/recovery</li> <li>PKI-based encrypted channel communication for ensuring data integrity</li> </ul>
Instant recovery	<ul style="list-style-type: none"> <li>Recover in Milliseconds using VirtualBoot intelligent read-ahead technology, irrespective of the VM size</li> <li>Recover files/folders in seconds</li> <li>Recover an entire share by promoting an existing immutable snapshot in seconds (e.g., after ransomware attack)</li> <li>Direct recovery to primary store means no Virtual Storage Motion and no performance impact during recovery</li> </ul>
Flexible recovery	Recover to dissimilar hardware or virtual environments <ul style="list-style-type: none"> <li>Ensures that recovery is timely &amp; quick (v2v, p2p, v2p &amp; p2v)</li> <li>Utilize resources at hand. No waiting for any specific resources</li> <li>Powerful host and on hand agent-based data protection, complete with physical and virtual system recovery</li> </ul>
Integrated DRaaS	Ensure total business continuity with integrated DRaaS from StorageCraft <ul style="list-style-type: none"> <li>Orchestrated, one-click virtual failover</li> <li>Self-service portal with no 3rd party intervention during recovery</li> <li>Replication and DR as a Service</li> <li>Seed/BMR drives and web download</li> </ul>

# OneXafe

## OneXafe Models



Technical Specifications	4412	4417	5410
<b>System Input Requirements</b>	100-240 V AC, 10.7 – 4.2A max		100-240 V AC, 10.7 – 4.2A max
<b>Power Supply</b>	Dual output power 750W; output voltages +12V (75A), +5Vsb (4A)		Hot-pluggable, redundant 750W power supply units
<b>Weight (empty, no disks)</b>	73 lb. (33.1 kg)		49 lb. (21.9 kg)
<b>Space Requirements (W x H x D)</b>	19 x 3.4 x 28.1 in. (482 x 86.8 x 715.5 mm); 2 rack units		17.08 x 1.68 x 29.74 in. (434.0 x 42.8 x 75.55 mm); for x4/x10
<b>Hard Drive Type</b>	3.5" SATA (6 Gb/s) / SAS (6 Gb/s and 12 Gb/s)		2.5" SATA (6 Gb/s) / SAS (6 Gb/s and 12 Gb/s)
<b>Operating Temperature and Humidity</b>	10° C to 35°C (50°F to 95°F)		10°C to 35°C (50°F to 95°F)
<b>Cooling</b>	Six variable-speed fans		Eight variable-speed fans
<b>File Service Protocols</b>	SMB (1.0, 2.0, 2.1, 3.0); NFS v3		SMB (1.0, 2.0, 2.1, 3.0); NFS v3
<b>Gigabit Ethernet Ports</b>	4 x 10GbE BASE-T <b>OR</b> 4 x 10GbE SFP+		4 x 10GbE BASE-T <b>OR</b> 4 x 10GbE SFP+
<b>USB Ports</b>	2 x USB 3.0 (front)		USB 3.0 (front)
<b>Remote Lights-Out Management</b>	iDRAC via 1GbE port		iDRAC via 1GbE port
<b>Electromagnetic Emission and Compatibility</b>	FCC Class A, EN 55022 Class A, EN 61000-3-2/-3-3, CISPR 22 Class A		FCC Class A, EN 60950-1 or EMC, CISPR 22/CISPR 24 and EN 55022/55024, EU, India, Ukraine RoHS Directive 2011/65/EU, EU REACH
<b>Drive Bays</b>	Up to 12 x 3.5 in. (front) All drives are hot swappable	Up to 12 x 3.5 in. (front) + 3 x 3.5 in. (mid) + 2 x 3.5 in. (rear) All drives are hot swappable	10 x 2.5" drive slots All drives are hot swappable
<b>Max Raw Capacity</b>	144 TB (12 disks rated at 12 TB each)	204 TB (17 disks rated at 12 TB each)	38 TB (10 SSDs rated at 3.8 TB each)
<b>Form Factor</b>	2U		1U