SCALE STOR

ScaleStor Storage as a Service (STaaS) provides competitively priced, scalable File, Block, and Object storage services to support structured and unstructured data storage requirements.
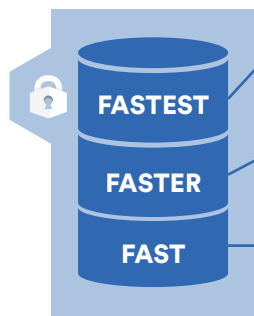
ScaleStor File/Block (SAN) and Object platforms are built to service provider standards and offer a variety of geographic redundancy, data durability, and pricing options to suit any business requirement. Data resides in secure, highly audited, cloud-enabled data centers throughout the U.S. Unlike other cloud storage services, ScaleStor clients benefit from having physical access to these sites for large scale data ingest or export, or to support facility visits with key clients, vendors, or regulatory bodies.

PERFORMANCE STORAGE
File (NFS and SMB) / Block (FC and iSCSI)

STRUCTURED DATA

IOP DRIVEN PERFORMANCE TIERS

FASTEST
FASTER
FAST

USE CASES:

HIGH PERFORMANCE (SSD)
- Transactional Workloads
- Database / OLTP

VIRTUAL WORKLOADS (HYBRID)
- Virtual Data Stores
- Common Workloads

ARCHIVE (DISK)
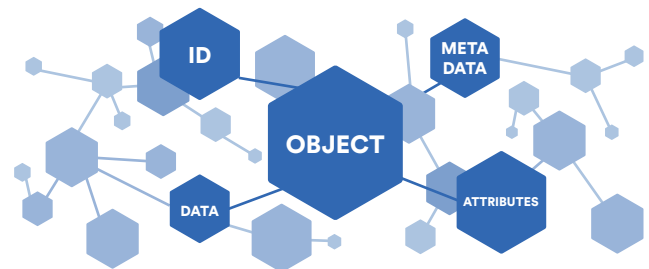- Near-line Archive & Backup
- File Services

BENEFITS:
- Flexible performance profiles
- Highly scalable, on-demand capacity
- Extreme data durability and protection
- Performance tiers allow for cost control
- Buy only what you need, expand on demand
- Reduces hardware spend and IT overhead
- Geographically dispersed, SAN-SAN replication

OBJECT STORAGE
100% S3 & NFS Compatible

UNSTRUCTURED DATA

DATA ↓ ↑ **METADATA/OBJECT ID**

ID
META DATA
OBJECT
DATA
ATTRIBUTES

USE CASES:
- API / HTTP driven content calls
- Data managed as objects
- Image, photo, video storage - CDN
- Data analytics or big data sets

BENEFITS:
- **No in/out data transfer fees**
- 100% S3 Compatible
- Extremely cost effective for large data sets
- Highly scalable, on-demand capacity
- Single or multi-copy/geography support

SECURITY | MATRIX TOTALCARE™ | LOAD BALANCING | COMPLIANCE | MONITORING | MANAGED SERVICES

ADVANTAGES AND VALUE OF PERFORMANCE STORAGE (SAN – FILE / BLOCK)

- Ideal for augmenting or replacing existing or legacy storage infrastructure.
- Software defined platforms allows for scalability and cost controls.
- Reduced complexity with single stack; all-disk, hybrid, and all-flash configurations.

FEATURES OF PERFORMANCE STORAGE (SAN – FILE / BLOCK)

- Unified **File** (NFS and SMB) and **Block** (FC and iSCSI) services.
- Built on ZFS for Enterprise grade data **integrity**, **scale** and **performance**.
- **Scales** from gigabytes to petabytes on demand.
- **Supports snapshots, clones, and replication**.
- Storage Tiers:
    - **RTIO** – 100% SSD mirrored drive configuration
    - **Performance** – 2-way mirrored disk + SSD drive with dedicated SLOG/ZIL for caching
    - **Archive** – Long term storage using RAIDZ2 or RAIDZ3, 7200 RPM drives

ADVANTAGES AND VALUE OF OBJECT STORAGE

- **No In/Out Data Transfer Fees.**
- **100% S3 Compatibility** Guaranteed.
- Ideal for data analytics and **real time transactions** for Big Data workloads.
- Scales to **meet business demands**.

FEATURES OF OBJECT STORAGE

- **Protects data** by storing multiple copies of data over distributed systems.
- With **definable cloud storage zones**, you pick which location (or locations) in which you want your data stored.
- **Node clusters** support EC 4+2 per geographic location – data durability options:
    - **(1 copy)** Local EC 4+2 in one US ScaleMatrix data center
    - **(2 copies)** in US-West or US-South
    - **(3 copies)** 1 copy at one location, 2 copies at another

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