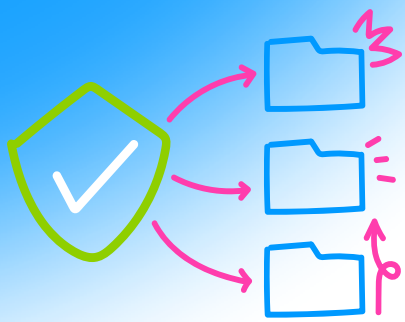
perifery

Swarm



# Software-Defined Object Storage for Media Content

## Streamline your media workflows with an intelligent, secure and scalable storage platform

### Benefits

Ensure your media assets are never lost or tampered with

Provide easy, web-based access to your apps, devices and users

Enable fast discovery, reuse and monetization of content

Scale on demand with predictable costs and choice of hardware

**Perifery Swarm is an object-based storage platform that enables long-term content preservation, active archive, enhanced metadata search, data protection, management, and organization of media content at massive scale. It radically simplifies your ability to manage, store, and protect data while providing S3/HTTP(S) access to any application, device, or end-user.**

## Stay protected against hardware failures and threats

Swarm helps you safeguard your precious media assets for future use and monetization and comply with business and regulatory requirements. Swarm's continuous health monitoring and self-healing capabilities ensure protection against hardware failure while providing WORM (Write Once, Read Many) guarantees and data integrity seals. Encryption capabilities keep your assets protected from other potential threats, such as copyright infringement, theft of content, or leaking of intellectual property.

## Locate your content quickly and easily

Your data—whether old or new—is not of any value if you cannot find what you need when you need it. Swarm lets you seamlessly locate your media assets using advanced indexing and metadata-based search. Apart from the static metadata, Swarm lets you add your own custom metadata (tags, description, etc.) to your content. If you choose to add Perifery AI+ to your workflow solutions, you can enrich your metadata using the latest AI/ML image and video recognition models.

## Actively archive media assets to extend existing storage

Swarm prevents you from having to migrate your media content into slow, disparate storage systems for long-term preservation, delivery, and analysis. You can use Swarm as an active archive to complement your existing storage infrastructure, seamlessly consolidating all media. This makes it simple to find the content you are looking for while reducing the total cost of ownership of your storage infrastructure.

## Key Features

- S3/HTTP(S) access
- Custom metadata
- Metadata-aware search
- WORM/Immutability
- Data integrity seals
- Data encryption
- Self-healing
- Continuous health monitoring
- Disaster recovery
- Audit logs
- Identity & access management
- Role-based access control
- Multi-tenancy

## Deploy your way, scale easily, and eliminate down time

Swarm can be deployed with any mix of standard x86 hardware and disks and is now also available in an edge-ready Single Node Swarm (SNS) option. Scale up with disks and scale out with more nodes within a Swarm cluster, or even expand with more Swarm clusters as needed. With flexible deployment, you can add tenants and sites at any time. Swarm supports hot plug drives, adding/retiring disks/nodes and rolling upgrades of the full software stack—all with no service downtime.

## Use Cases



### Active Archive

Store and protect huge volumes of media assets for the long term with a cost-effective, readily accessible active archive that allows for reuse and monetization of assets.



### Backup Protection

Stay protected against potential loss and threats by leveraging Swarm's security-rich functions, including immutability (WORM), encryption, replication and more.



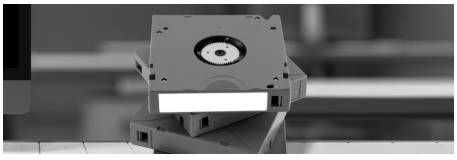
### Fast Content Delivery

Natively accessible via HTTP or S3, Swarm can provide ideal solutions for origin storage or longtail delivery and enable over-the-top (OTT) and video on-demand (VOD) services.



### Long-Term Content Preservation

Ensure your valuable content is safe and secure for the long term by staying protected against hardware failure, software corruption, bit rot, or other types of damage or loss.



### Alternative to LTO Tape

Replace tape with an intelligent object storage platform that provides instantly accessible and available content through parallel reads/writes, integrated search, automated rapid recovery and partial file restore.



perifery

**Perifery™, a division of DataCore,** provides innovative archive and workflow solutions for the dynamic world of media and entertainment. Trusted by leading M&E companies worldwide, Perifery provides rapid, secure, and scalable solutions that streamline the preservation, protection, and monetization of digital assets. Harnessing cutting-edge AI workflow tools, Perifery's intelligent storage solutions give you clarity, control, and complete understanding of your content.

For further insights, visit:
**hello@perifery.com | perifery.com**

© 2024 DataCore Software Corporation. All Rights Reserved. Perifery is a trademark of DataCore Software Corporation. Other Perifery products or services names or logos referenced herein are trademarks of DataCore Software Corporation. All other products, services and company names mentioned herein may be trademarks of their respective owners.