

# Swarm Server Appliances

## HIGHLIGHTS

- **Flexible deployment:** Start with three servers, scale out as required
- **Multi-protocol:** Support S3, HTTP, SMB and NFS
- **Optimize durability or footprint:** Select any mix of replication and erasure coding
- **Hassle free for admins:** Robust web-based management of content and tenants
- **Feature rich for end-users:** Built-in content management, search, delivery and secure sharing

DataCore Swarm Server Appliances contain all the hardware and software you need to keep content protected, online, searchable and web-accessible—secure within your network. With the industry's most flexible object storage deployment options, Swarm Server Appliances let you start with three servers and scale out at any time based on your business requirements.

## LIMITLESSLY SCALABLE, S3-ENABLED ON-PREMISES PRIVATE CLOUD

The Swarm Server Appliance line is comprised of the m1000 Management Server and the s3000 Storage Server.

Deploy the s3000 (168TB in 1u) in a cluster of three or more servers. Swarm services and search are managed by the m1000 Management Server or can be run on VMs in your virtual environment. Scale to billions of files, hundreds of petabytes and support millions of tenants, domains and buckets.

## BUILT-IN CONTENT MANAGEMENT, SEARCH & DELIVERY

Administrators and end users can use the web-based content portal to view the content they have stored, upload new content and modify metadata. Elasticsearch is integrated and ad hoc queries can be run from the content portal. Since the native interface for Swarm is based on HTTP, content can be shared via URL internally or externally. Permissions can be modified and access revoked at any time ensuring content is secure.

## INTEGRATED MULTI-PROTOCOL, MULTI-TENANT MANAGEMENT AND AUTHENTICATION

Multi-protocol access includes native support for S3/HTTP and extended support for NFS (through SwarmFS) and SMB (through FileFly) in a single namespace. Swarm also works with any application, device or service that supports the S3 protocol via token-based authentication. Integration into existing enterprise identity management systems is enabled via LDAP, Active Directory or Linux PAM authentication.

Administrators can easily manage tenants, buckets, quotas, metering and integration into identity management solutions via a web-based portal, or programmatically via an API for seamless integration into 3rd-party subscriber and billing management solutions. Administrators also have the option to enable end-user self-servicing.

## ENTERPRISE DATA DURABILITY AND SUPPORT

Swarm's Elastic Content Protection combines automated management of replication and erasure coding with continuous integrity checks and fast volume recovery. All nodes participate in recovery which gets faster as the cluster grows. Use any mix of replication or erasure coding configuration to achieve your required data availability and storage capacity utilization. Security features including WORM, auditable content hashing, encryption and versioning are standard. System status can be monitored via the web-based management console or SNMP and all system status information can be imported into Prometheus and Grafana for visualization. All Swarm Server Appliances include 3 years of Maintenance and Support (including access to all software upgrades) and a 3-year hardware warranty.

