
ObjectiveFS Filesystem

Filer for IBM Cloud Object Storage

Software-defined filer for IBM Cloud Object Storage. ObjectiveFS presents a high performance POSIX filesystem interface for object stores, enabling existing software and applications to use IBM Cloud Object Storage directly without being rewritten or ported.

Use ObjectiveFS Filer with IBM Cloud Object Storage to replace NAS, SAN and NFS.

KEY ADVANTAGES

- Scales Up Automatically
- Scales Out with High Performance
- Zero Maintenance
- Live Filesystem
- POSIX Compliant
- Reliable and Redundant
- Secure
- Cost Effective

USE CASES

- Backup and Disaster Recovery
- Storage Gateway
- Life Science Cluster Computation
- Machine Learning Computation
- Big Data Computation
- Video and Image Processing
- Unstructured File Storage
- File Sharing between Servers

KEY FEATURES

Performance

- Memory and Disk Cache
- Speed similar to local hard drive
- Multithreading
- Workload adaptive heuristics
- Fast always-on Compression
- Efficient Compaction

Scalability

- No limit on number of files, file sizes, filesystems
- Concurrency scales with IBM COS
- Performance for reads scale to as many readers as IBM COS supports

Management

- Snapshots - Automatic and Checkpoint
- Admin Mode
- Local License Check
- User/Group ID Mapping
- Filesystem Pool
- HTTP Proxy Support

Security and Reliability

- End-to-end Encryption
- Strong Data Integrity Checks
- Data encrypted in transit and at rest
- Protects against cache timing attacks

