



Cohesity® - Object Services Solution Brief

Solution Overview

Rapid data growth and an increased demand for private and hybrid cloud storage are driving object storage technology to the mainstream. Object storage uses unique object identifiers for large scale storage systems. Enterprises and applications are utilizing object storage for scalable, cost-effective on-premises cloud storage solution. Cohesity DataPlatform provides an S3-compatible storage platform as a scalable, secure and cost-effective hybrid cloud storage solution. This provides enterprise-class object storage with support for S3 ecosystem applications.

Feature	Benefit
Highly Available Clustered File System	Enterprise class system ensures 24/7, always-on business operations that include transparent and non-disruptive upgrades and expansion
Global Storage Efficiency Technologies	Enhanced storage efficiency (Erasure Coding, Deduplication and Compression) across all nodes of the cluster significantly reduces physical storage footprint
Object metadata	Rich object metadata captures common object characteristics such as ACLs, versioning
Policy-based backup protection	Integrated data protection software and SnapTree technology is available to allow simplified data protection of Objects with fully-hydrated snapshots
Cloning	Instant writable snapshot copies can be instantiated for creation, testing and development of Object datasets
QoS	QoS policies are provided that optimize performance for different types of workloads
Encryption	Cohesity solution provides data-at-rest as well as data-in-flight encryption using industry standard 256-bit Advanced Encryption Standard (AES) algorithm. The platform is also FIPS 140-2 compliant
Quotas	Easily establish policies for storage allocation to specific Buckets. Buckets are used to store objects which consist of data and associated metadata
WORM (Write-once-read-many)	Enables policy-based retention of data for compliance and other use cases
Replication for Disaster Recovery	Built-in, granular and secure replication services for geo redundancy
Cloud integration (CloudArchive, CloudTier, CloudReplicate)	Archive into public cloud services for long-term retention. Utilize cloud tiering for transparent capacity expansion into the cloud. Replicate into the cloud for disaster recovery

Key Benefits

- Provide S3 compatible object storage with REST APIs for easy integration with third-party technologies
- Scalable platform to which nodes can be added to address data growth needs thereby increasing business agility
- Provide security with encryption of data as well as bucket level policies to manage object permissions
- Operational availability and efficiency ensures uptime with clustered and highly available file system and integrated data protection
- Reduce total cost of ownership with consolidation of secondary storage workloads to store large scale data sets

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Create View

* Name
S3-View

Description

* View Box
S3-ViewBox

* QoS Policy
TestAndDev High

[?](#) Note that SMB owner & permission are set to default values in Advanced Settings.

[Show Advanced Settings](#)

Protocol

All NFS only SMB only S3 only

Figure: Create Cohesity View (Bucket) that exposes S3 protocol with REST API for storing Objects

Summary:

Cohesity's object storage provides advanced, enterprise-class data storage management that leverages Cohesity DataPlatform to provide highly available, secure and efficient hyperconverged secondary storage.