

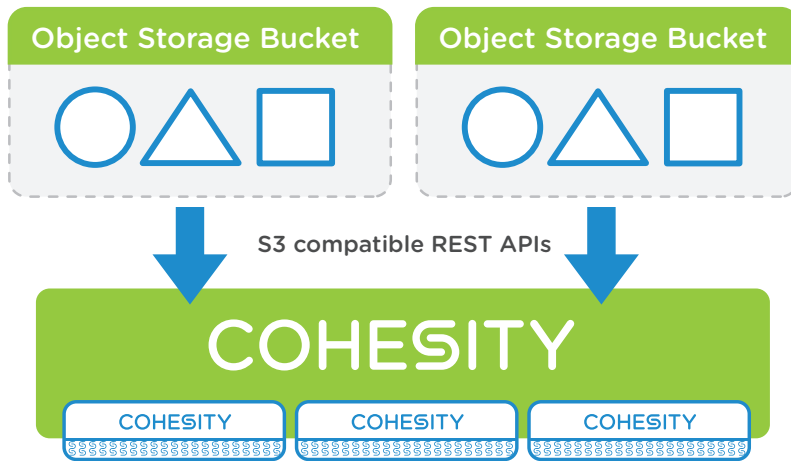


The Only S3-Compatible Object Storage With Global Deduplication

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.

Technical Features and Benefits



Key Benefits

- S3 compatible object storage with REST APIs for easy integration with apps and services
- Converged on Cohesity DataPlatform which can be used to consolidate objects, files, data protection, and test/dev copies
- Web-scale platform with unlimited scalability, non-disruptive upgrades, pay-as-you-grow scalability
- Industry's only globally deduplicated, S3 object storage
- Global Google-like search on all object metadata
- Public cloud integration for archival, tiering and replication

Feature	Benefit
S3 REST APIs	Object storage that provides S3-compatible REST APIs for easy integration with existing services.
Web-Scale File System	Unlimited scalability, always-on availability, non-disruptive upgrades, pay-as-you-grow scalability
Converged on Cohesity DataPlatform	Store objects on the same platform used for data protection, files, and test/dev copies
Global deduplication and compression	Global deduplication and compression across all nodes of the cluster significantly reduces physical storage footprint
Erasure coding	Data is protected against any individual node failure with erasure coding across nodes
Global indexing and search	Object metadata is indexed upon ingest, enabling Google-like search across all objects in a cluster.
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 writeable 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

Feature	Benefit
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
Write Once Read Many (WORM)	Enables long-term retention of data that have compliance controls mandating a policy that objects cannot be modified during the lock time
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.

The screenshot shows the 'Create View' configuration interface in the Cohesity admin console. The top navigation bar includes 'COHESITY', 'Test & Dev', 'Analytics', 'Protection', 'Platform', and 'Monitoring'. The user is logged in as 'Admin'.

The main form is titled 'Create View' and contains the following fields:

- Name:** S3-View
- Description:** (Empty text area)
- View Box:** S3-ViewBox
- QoS Policy:** TestAndDev High

Below these fields, there is a note: "Note that SMB owner & permission are set to default values in Advanced Settings." A link to "Show Advanced Settings" is present and expanded, revealing the following options:

- Protocol:**
 - All
 - NFS only
 - SMB only
 - S3 only

Figure: Create a Cohesity View that exposes S3 protocol with REST API for storing Objects

Summary

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