

Beyond Backup: Cohesity’s Flexible Archival to Cloud and S3-Compatible Platforms

Optimize Tiering and Long-Term Retention Across Cloud and S3-compatible storage.

Data is at the heart of every organization. However, with increasing data volumes, organizations face challenges in meeting long-term retention (LTR) mandates, adhering to regulatory and compliance requirements, reducing storage costs, and ensuring data resiliency against ransomware and other cyber threats. Traditional archival solutions are often rigid, costly, and complex to scale or recover data from.

Cohesity Archival solutions empower organizations to adopt a modern archival approach—flexible, policy-driven, secure, and cost-effective—by leveraging cloud and on-premises object storage options. Whether you want to retain a local copy, archive directly to the cloud, or tier cold data based on policy, Cohesity has you covered with three robust archival solutions: CloudArchive, CloudArchive Direct, and Cloud Tier that can archive data either to public clouds or S3 compatible targets.

Key Benefits

- Easy migration without vendor lock-in with flexible, platform-agnostic archival options
- Faster, more efficient archival with incremental-forever archival
- Reduced storage footprint and improved cost savings
- Simplified operations with a single interface
- Enhanced cyber resiliency with multi-layered data security measures
- Flexible scaling to any public cloud to support multicloud strategy

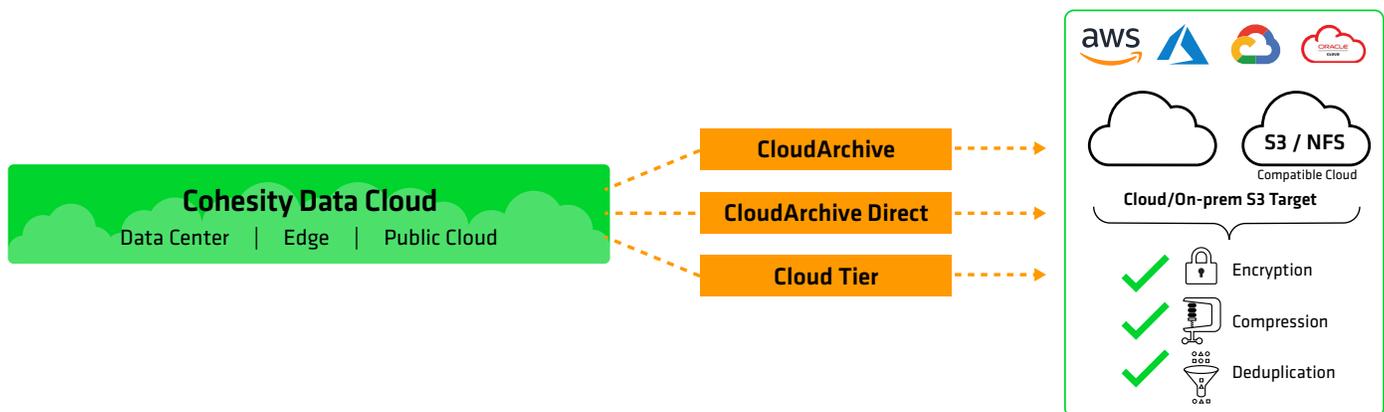


Fig 1: Cohesity archival and tiering solutions to public clouds and S3-compatible targets

Public Cloud Support

Cohesity natively supports all major public cloud providers for seamless data archival, including:

- Amazon Web Services (AWS)
- Microsoft Azure Blob Storage
- Google Cloud Storage
- Oracle Cloud Infrastructure (OCI) Object Storage

These integrations enable organizations to leverage cloud scalability, flexible pricing tiers, and region-based data redundancy, while maintaining complete control over restore workflows and retention policies.

On-Premises & S3-Compatible Support

Cohesity also supports a wide range of S3-compatible object storage platforms (regular and object-based tape)—both on-premises and hosted. Our solution is tested and validated with leading vendors such as:

- Backblaze
- Dell EMC ECS
- Exagrid
- Hitachi Vantara HCP
- IBM Cloud Object Storage
- 11:11 Systems

- MinIO
- NetApp StorageGRID
- Pure Storage
- Wasabi
- NetDepot
- IBM Storage Protect
- Spectra Logic
- POINT Archival Gateway
- QStar

Beyond validated vendors, Cohesity supports any S3-compatible storage platform that provides capabilities comparable to AWS S3-Standard, making it suitable for use as an external archival target. These platforms must support S3-Standard APIs for both archival and recovery and should be registered with Cohesity using the “regular” storage class.

This flexible, vendor-agnostic architecture enables seamless integration with virtually any S3-compatible storage, whether deployed in a hybrid cloud environment or on-premises. This ensures infrastructure flexibility, eliminates vendor lock-in, and empowers customers to design and evolve their archival strategies with confidence.

Public Cloud and S3-Compatible Targets



Cohesity Long-term Retention and Archival Options

Cohesity Archival Option	What it is	How it Works	Use Cases	Key Highlights/Value
CloudArchive	Retaining a full local and cloud copy for fast recovery and to meet security, legal, and compliance requirements.	Cohesity CloudArchive begins with a local backup of your data, metadata, and index on the Cohesity cluster. It then securely archives a complete copy to an external target, such as public cloud object storage or on-premises S3-compatible or NFS-mounted storage.	<ul style="list-style-type: none"> • Long-term retention use case when a local copy of data is needed • Immutable archival with complete local and off-site redundancy 	<ul style="list-style-type: none"> • Unified solution for long-term data retention across cloud and on-prem S3-compatible object storage • Complete copies of data and metadata are available locally and, in the cloud • Efficient data recovery at the granular level (file/folder)
CloudArchive Direct	Direct-to-cloud archival without local storage foot-print.	Streams data directly to cloud/on-prem object storage, storing only metadata and index data locally.	<ul style="list-style-type: none"> • Long-term retention without local storage dependency • Environments looking to optimize TCO • Reducing on-premises storage overhead 	<ul style="list-style-type: none"> • Minimal on-prem storage requirements • Full indexing for searchable, file-level recovery • Greatly reduced infrastructure cost for lower overall TCO
Cloud Tier	Intelligent tiering of cold data to lower-cost cloud/on-prem storage.	Automatically moves infrequently accessed (cold) data to cost-efficient external storage.	<ul style="list-style-type: none"> • Managing storage footprint in primary environments • Organizations with fluctuating data access patterns • Use cases with operational data aging out of active workloads 	<ul style="list-style-type: none"> • Extends the active file system into an external target • Reduced on-prem storage footprint and infrastructure costs • Cost-efficient external storage for lower overall TCO

A Smarter Way to Manage Data and Reduce TCO: Flexible, Immutable, Cost-Efficient

Cohesity Archive solutions deliver the performance, flexibility, immutability, and cost-efficiency required for enterprise-scale archival. Whether you want fast local recovery, cloud-native long-term retention, or intelligent cold

data tiering, Cohesity helps you retain data with confidence while optimizing your storage footprint and budget.

It also supports Cohesity's data protection strategy that aligns with the industry-standard **3-2-1 rule**, ensuring data resilience, availability, and cyber recovery readiness.

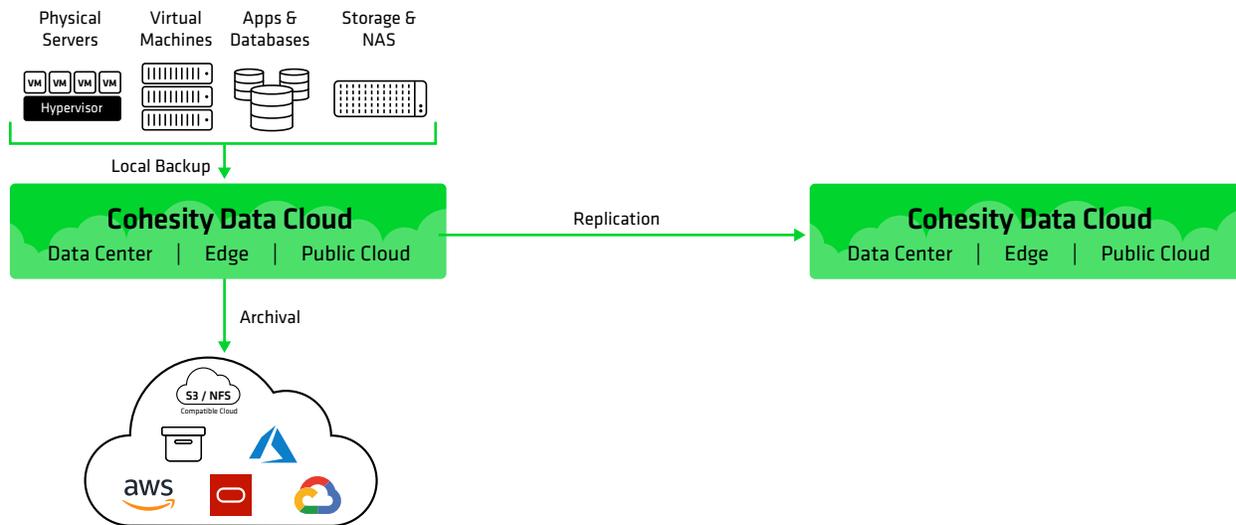


Fig 2: Cohesity 3-2-1 data protection reference architecture for backup, replication and archiving

1. Local Backup (Primary Copy)

Data is initially backed up to the Cohesity cluster (on-premises or cloud-deployed), providing rapid access, fast restores, and simplified management. This enables instant recovery, operational recovery, and protection from accidental deletion or corruption.

2. Replication (Secondary Copy)

Data is asynchronously replicated to a secondary Cohesity cluster, either in a remote data center or public cloud. This ensures business continuity and disaster recovery (BC/DR) in case of primary site failures or regional outages.

3. Archival (Tertiary Copy)

Long-term retention copies are archived to public cloud, or any S3-compatible object storage. This satisfies compliance, legal hold, and provides cost-efficient long-term data retention.

Key Benefits of Cohesity's 3-2-1 Approach

- **Comprehensive Protection:** Safeguards data across local, remote, and cloud locations.
- **Simplified Operations:** Single platform to manage backup, DR, and archival without multiple point solutions.
- **Faster Recovery:** Local instant mass recovery and granular file/object restores.
- **Cyber Resilience:** Immutable snapshots, quorum-based protection, and air-gapped archive enhance ransomware recovery posture.
- **Cost Optimization:** Intelligent data tiering, deduplication and compression reduce storage and cloud archival costs.
- **Cloud Flexibility:** Seamless integration with major public cloud and S3-compatible storage, enabling hybrid and multi-cloud strategies.

Learn more at [Cohesity.com](https://cohesity.com)

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