

# Archival Storage

## Overview

JioCloud Archival Storage is built to give enterprises a safe, low-cost way to retain data for the long term. It's ideal for information that must be preserved but is only occasionally accessed—from compliance documents and medical records to backups and large research datasets. Because it is fully S3-compatible, JioCloud Archival Storage drops straight into existing tools and workflows. Features such as Object Lock, lifecycle policies, encryption, and optional regional replication make it simple to keep data secure, immutable if required, and always available when needed - without overspending.



## Key Features

- **S3 compatibility**  
Use familiar APIs and tools to store and retrieve archived data.
- **Object lock (WORM)**  
Enforce write-once-read-many policies to meet strict compliance rules.
- **Encryption at rest**  
Protect stored data with industry-standard AES encryption.
- **Encryption in transit**  
Secure data transfers end to end with TLS protocols.
- **Geo-redundant replication**  
Enable optional multi-region replication for added durability.
- **Audit-ready storage**  
Track versioning, access logs, and compliance status for full visibility.

# Benefits

- Lowest storage cost per GB**  
Includes ability to charge the requester for data retrieval costs.
- Compliance-ready retention**  
Meet legal, financial, and healthcare mandates with Object Lock and audit trails.
- Secure and immutable**  
Protect sensitive information with encryption and access controls, plus immutability options.
- Scalable for the future**  
Expand from terabytes to petabytes seamlessly as your archive grows.

## Technical Specifications

Storage Unit	Object-based (buckets)
Access Interface	RESTful APIs (S3-compatible)
Provisioning	Usage-based (no manual provisioning needed)
Security	AES-256 encryption, WORM, access control
Durability	11x9s with replication across availability zones
Retrieval	Delayed/batch (cold access pattern)

## Environmental Requirements

Works With	Any application that supports S3 API
Designed	For infrequent access (cold data)
Suitable For	Regulatory workloads, media archives, and backups
Not Suitable	For real-time or high-performance data access

## Integration Details

Compatible With	Most S3-based data management and backup tools
Can Integrate	With enterprise archiving, compliance, and DMS systems
Works With	Cloud-native and on-prem backup software

## Scalability / Sizing / Performance Benchmarks

Scales	GBs to multiple petabytes
Designed for	Cost efficiency, not performance
Performance	Retrieval latency varies (hours for standard retrievals)
Supports	Best for batch or scheduled data access Millions of objects per bucket

## Pricing Tiers

SKU	Archival Storage (Usage-based)
Storage Cost	Ultra-low per GB/month (custom pricing)
Retrieval Cost	Usage-based (per GB retrieved)

## Use Cases

- **Financial services**

Keep transactional data safely stored for 7-10 years so audits are never a scramble.

- **Healthcare**

Preserve patient records and imaging files with long-term immutability built in.

- **Public sector and legal**

Hold sensitive documents and backup snapshots for as long as policies demand.

- **Media and publishing**

Keep historical footage and archives handy for reuse whenever needed.