



# LYVE CLOUD WITH COHESITY

## About This Guide

This paper details the steps and best practices to deploy Seagate's Lyve Cloud, as a new storage target, on the Cohesity Data Platform.

## Audience

This paper is written for storage and backup administrators familiar with administering and managing backup environments.



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## Challenge Summary

The volume of data being generated by enterprises is exploding and information is scattered across multiple public clouds, data center systems, remote offices, and the edge. Enterprise data that is stored in backups, archives, and data stores is fragmented across data silos and can be locked-in, expensive to store and move, and left vulnerable to ransomware attacks.

## Solution Summary

Seagate Lyve Cloud with Cohesity delivers a joint solution to efficiently manage data, in a hybrid-cloud environment. Cohesity software consolidates all data infrastructure onto one data platform with a single intuitive UI, speeding actionable search for data across sources and locations. Seagate's Lyve Cloud encryption increases protection and the simple, transparent pricing with no egress fees reduces IT cost and complexity for backup and restore.

Lyve Cloud is the easy choice for storing exabytes of data with predictable economics, delivering on three main value propositions:

- **Simple** to buy, use, and scale
- **Trusted** world-class security, and cloud flexibility from the global leader in mass data storage management
- **Efficient** always-on data available whenever you need it without waits, no lock-ins or egress fees

Lyve Cloud's focus on security, flexibility, and accessibility, integrated with Cohesity's data management software, unlocks insights so that enterprises derive value from their data and reduce the risk from issues such as ransomware. Lyve Cloud is a cost-efficient and secure platform for backup, long-term retention, and disaster recovery. Together with Cohesity, the combined solution enables enterprises to build resilience and increase productive use of their data.

## Benefits of using Seagate Lyve Cloud with Cohesity

**Backup Lyve Cloud Solution**—Cohesity provides simple and efficient backup and recovery utilizing Seagate's best-in-class data storage performance. S3-compatibility and always-on availability facilitate easy backup and reliable retrievals without wait. Simple pricing with no API charges or egress fees empowers customers to back up and move data without lock-in concerns.

**Long-term Retention Lyve Cloud**—Cohesity can archive data to Lyve Cloud for long-term retention. Data is de-duped, compressed, and indexed for fast identification, search, and retrieval. Archiving to S3 storage with Lyve Cloud assures data is active, available, and preserved. Store 100% of potentially useful data without having to sacrifice the benefits due to economic concerns.

**Disaster Recovery on Lyve Cloud**—Ensure business continuity with immutable object storage that protects data from attacks, corruption, or deletion while multi-zone replication assures that data is available when needed.

**Data Management on Cohesity Helios**—Take control of all enterprise data and simplify data management with a single intuitive UI that indexes structured and unstructured data without limits. The platform helps control storage costs by creating zero-cost clones and actively reduces redundant copies.



# Deploying Seagate Lyve Cloud with Cohesity

## Deployment Prerequisites

- A configured Lyve Cloud Storage Account
- A configured Cohesity Data Platform Account

## Configuration Overview

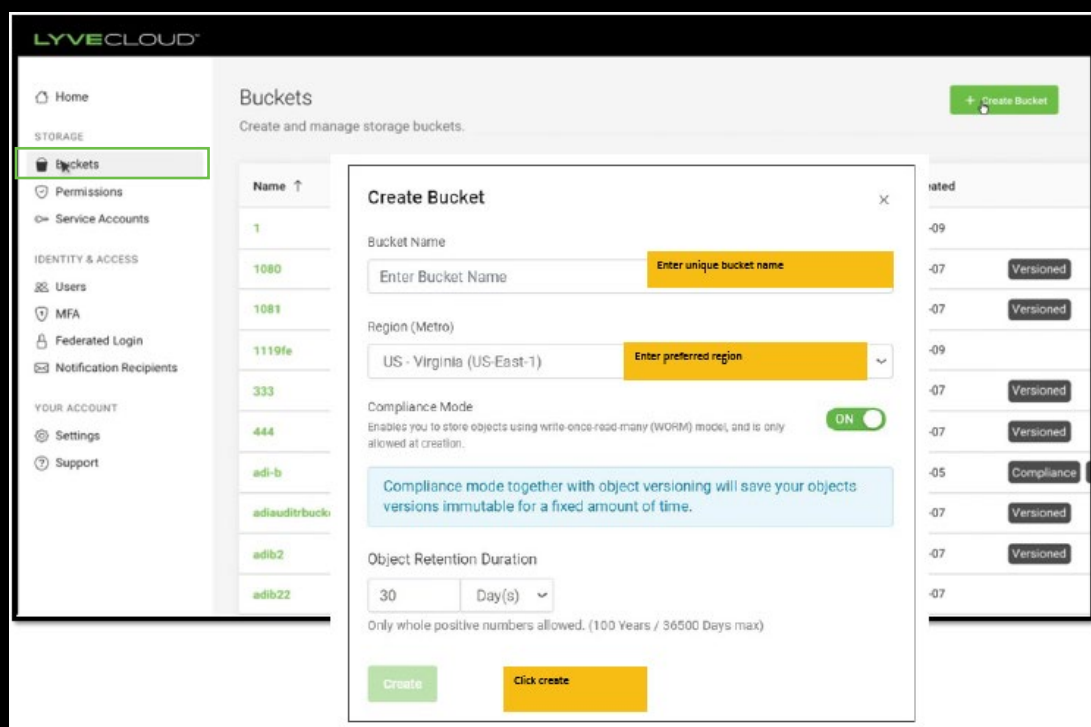
The configuration for Lyve Cloud with Cohesity Data Platform is divided into two simple tasks.

- **Task 1:** Setup a Lyve Cloud Storage Account, consult the reference guide: [Lyve Cloud Quick Start Guide](#)
- **Task 2:** Create a new cloud storage target on Cohesity Data Platform (using information from Lyve Cloud)

## Task 1: Create Lyve Cloud Account

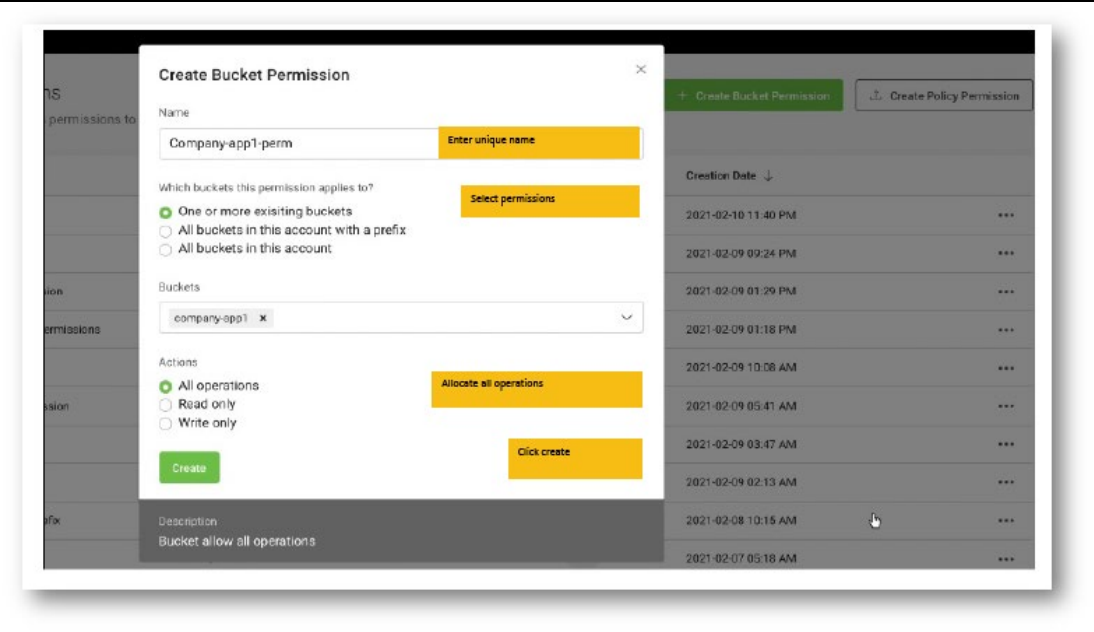
### Step 1: Create Bucket

Go to “Bucket” section of Lyve Cloud Console and select the “Create Bucket” button



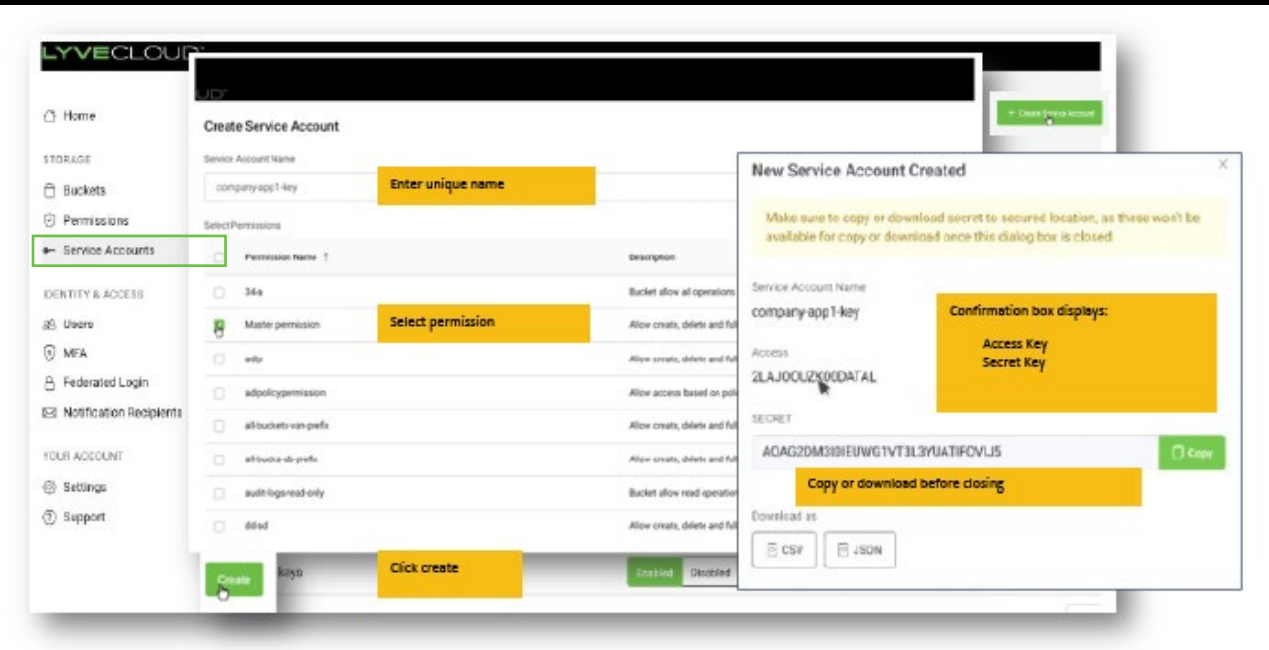
### Step 2: Create Permissions

Go to “Permissions” section of the Lyve Cloud Console and select the “Create Bucket Permission” button



### Step 3: Create Service Account

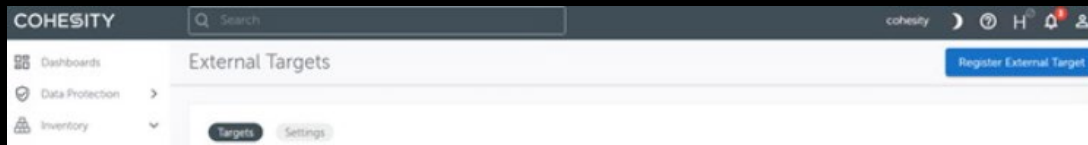
Go to “Service Accounts” section of the Lyve Cloud Console and select the “Create Service Account” button



## Task 2: Create a new cloud storage target on Cohesity Data Platform

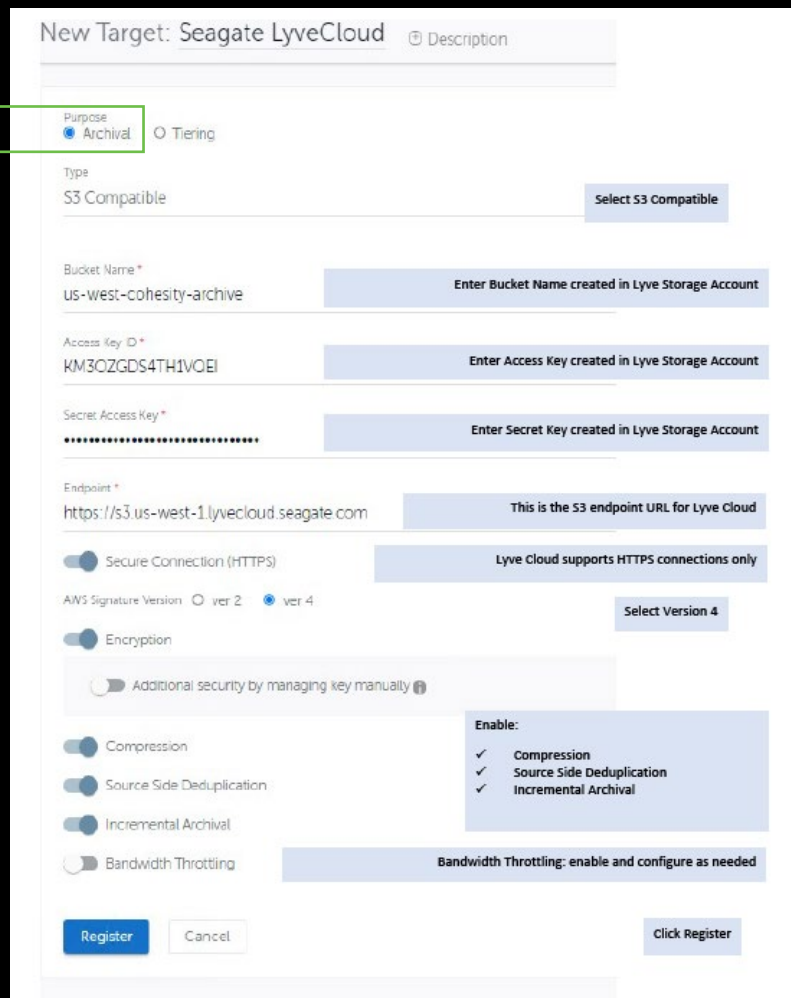
### Step 1: Create and Register External Target

Go to “Inventory” section of Cohesity Dashboard and select “External Target” and then select “Register External Target” button



### Step 2: Register New External Target

Select “Archival.” This will allow for a complete copy of data in Lyve Cloud that can be used to import data to other locations or for disaster recovery.



New Target: Seagate LyveCloud Description

Purpose: ☒ Archival ☐ Tiering

Type: S3 Compatible Select S3 Compatible

Bucket Name \*: us-west-cohesity-archive Enter Bucket Name created in Lyve Storage Account

Access Key ID \*: KM3QZGDS4TH1VOEI Enter Access Key created in Lyve Storage Account

Secret Access Key \*: Enter Secret Key created in Lyve Storage Account

Endpoint \*: https://s3.us-west-1.lyvecloud.seagate.com This is the S3 endpoint URL for Lyve Cloud

☒ Secure Connection (HTTPS) Lyve Cloud supports HTTPS connections only

AWS Signature Version: ☐ ver 2 ☒ ver 4 Select Version 4

☒ Encryption

☐ Additional security by managing key manually ⓘ

☒ Compression Enable: ✓ Compression ✓ Source Side Deduplication ✓ Incremental Archival

☒ Source Side Deduplication

☒ Incremental Archival

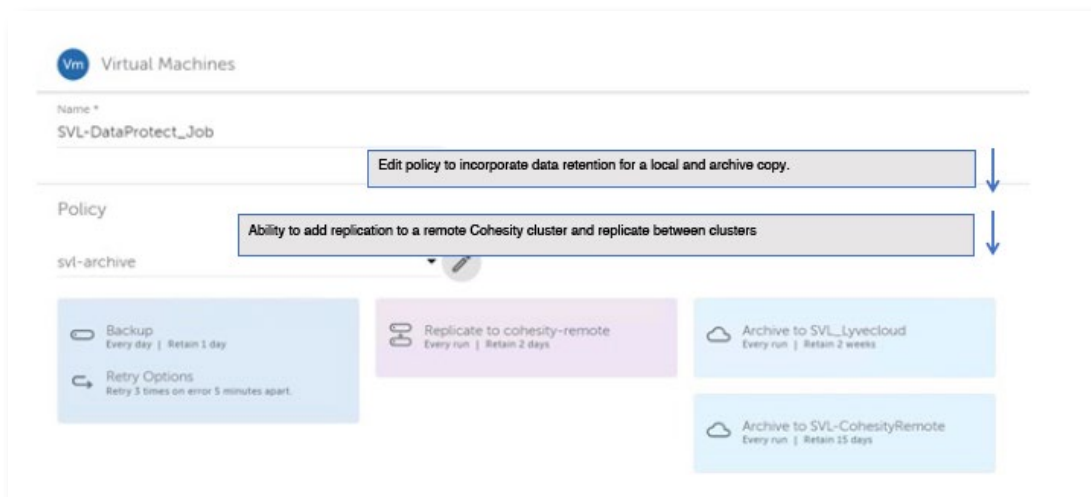
☐ Bandwidth Throttling Bandwidth Throttling: enable and configure as needed

Register Cancel Click Register



### Step 3: Create Protection Policy

Create a Data Protection Policy for clients that need back up. Storage in Lyve Cloud is a fast, and efficient solution to recovering data between sites and a flexible way to enable disaster recovery.



## Summary

In summary, the combined Lyve Cloud and Cohesity solution delivers a single, simplified data management platform and economical, accessible, and secure backup operations. The joint solution enables enterprises to build resilience and take control of data.



## Ready to Learn More?

For more information on Cohesity,  
visit: <https://www.cohesity.com>

For more information on Lyve Cloud,  
visit: <https://www.seagate.com>

seagate.com

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