

Best Practices Guide COHESITY

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

🗅 Home	Buckets	ge storage buckets.			Create Bucket
STORAGE	Greate and manaj	ge storage buckets.			
Byckets Permissions	Name ↑			ated	
 Permissions Service Accounts 		Create Bucket		×	
	1	Bucket Name		-09	
DENTITY & ACCESS	1080	Enter Bucket Name	Enter unique bucket name	-07	Versioned
😢 Users	1081			-07	Versioned
A Federated Login		Region (Metro)			
Notification Recipients	1119fe	US - Virginia (US-East-1)	~ -09		
	333			-07	Versioned
OUR ACCOUNT	444	Compliance Mode Enables you to store objects using write-once-re	-07	Versioned	
 Support 		allowed at creation.			
.) oupport	adi-b	Compliance mode together with	object versioning will save your objects	-05	Complian
	adiauditrbucko	versions immutable for a fixed an	nount of time.	-07	Versioned
	adib2	Object Retention Duration		-07	Versioned
	adib22	30 Day(s) ~		-07	
		Only whole positive numbers allowed. (1	00 Years / 36500 Days max)		

Step 2: Create Permissions

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

s	Create Bucket Permission	× + Create Bucket Permission	Create Policy Permission
permissions to	Name		
	Company-app1-perm Enter unique name		
	Which buckets this permission applies to?	Creation Date 🧅	
	One or more exisiting buckets All buckets in this account with a prefix	2021-02-10 11 40 PM	
	All buckets in this account	2021-02-09 09:24 PM	
n	Buckets	2021-02-09 01:29 PM	
rmiasions	company-opp1 ×	2021-02-09 01:18 PM	
	Actions	2021-02-09 10:08 AM	
ion	All operations Allocate all operations Read only Write only	2021-02-09 05:41 AM	
	Click on	2021-02-09 03:47 AM	
	Create	2021-02-09 02:13 AM	
×	Description	2021-02-08 10:15 AM	
	Bucket allow all operations	2021-02-07 05:18 AM	

Step 3: Create Service Account

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

Home	00				+ Cases Series Record			
1 mane	Create Service Account							
TORAGE	Service Account Name			New Service Account (Creater			
Buckets	company app1-key	Enter unique name		new bernee recount i				
Permissions	SelectPermissions				whood secret to secured location, as these won't be miced once this dialog box is closed			
- Service Accounts	Permission Name 1		Description	avaluable for copy or sown	nuas unce alle clang box is closed.			
DENTITY & ACCESS	349		Bucket allow all operations	Service Account Name				
8 Users	Master permission	Select permission	Allow creats, delete and full	company-app1-key	Confirmation box displays:			
) mfa	C etc		Aligor propint, delete and full		Access Key Secret Key			
3 Federated Login	adpolicypermission		Allow access based on poly	2LAJOOUZKOODATAL				
Notification Recipients	all-buckets van prefix		Allow creats, delete and full	SECHET				
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) Support	bebb 🗌		Allow create, delete and full					
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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

COHESITY		Q Search] cohesity)	0	H°	٥.	8
Dashboards		External Targets		Re	gister	Extern	al Targ	et -
Data Protection	>							
A Inventory	~	Targets Settings						

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.

Archival O Tiering	
Type S3 Compatible	
55 Companyle	Select S3 Compatible
Bucket Name * us-west-cohesity-archive	Enter Bucket Name created in Lyve Storage Act
Access Key D* KM3QZGDS4TH1VQEI	Enter Access Key created in Lyve Storage Ac
Secret Access Key *	Enter Secret Key created in Lyve Storage Act
Endpoint * https://s3.us-west-1.lyvecloud.seagate.com	This is the 53 endpoint URL for Lyve C
Secure Connection (HTTPS)	Lyve Cloud supports HTTPS connections
AWS Signature Version O yer 2 🔹 ver 4	Select Version 4
Additional security by managing key r	manually 👩
Compression Source Side Deduplication Incremental Archival	Enable: Compression Source Side Deduplication Incremental Archival
Bandwidth Throttling	Bandwidth Throttling: enable and configure as ne

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.

Name * SVL-DataProtect_Job		
	Edit policy to incorporate data retention for a lo	cal and archive copy.
Policy Ability to add	replication to a remote Cohesity cluster and replicate b	etween clusters
svl-archive	• /	
Backup Every day Retain 1 day	Replicate to cohesity-remote tvery run Brtain 2 days	Archive to SVL_Lyvecloud tvery run Retain 2 weeks
Reby 3 times on error 5 minutes apart.		Archive to SVL-CohesityRemote

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.

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Ready to Learn More?

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

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

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