

Configure Seagate Lyve Cloud with Commvault

Get the most of our secure, long-term backup solution that activates data, assures business continuity, and reduces TCO.

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Challenge Summary: Data Has More to Offer than Operational Utility

To compete in the new data economy, enterprises must deploy a secure, efficient, and scalable cloud backup storage option that provides fast retrieval. Apart from the convenience it provides, it's crucial for enterprise business continuity. Traditional on-premises backup options offer limited long-term retention capabilities and are vulnerable to significant data loss events. Furthermore, they do nothing to enable mass data activation. Without timely access to insights and improved governance, management, and security of their data, enterprises will fail to keep up with their competitors.

Solution Summary: Business Continuity Meets Mass Data Activation

Seagate® Lyve™ Cloud with Commvault delivers cost-optimized data management solutions that support frictionless transfer of backup data for storage, fast retrieval, long-term retention, and activation. Together, the joint solution provides better business insights and efficient storage utilization, thereby reducing total cost of ownership (TCO) for data storage. Data protection for end-to-end backup and disaster recovery assures data availability for all workloads across cloud and on-premises environments. Commvault's file storage optimization, data governance, electronic discovery, and compliance deliver data security while Lyve Cloud provides highly scalable, reliable, and secure cloud storage.

Solution Benefits: Why Enterprises Choose Lyve Cloud with Commvault

Frictionless Cloud Data Experience

Utilize rich data management capabilities to seamlessly move backups to a highly scalable, S3-compatible cloud storage platform with always-on availability.

Predictable Cloud Economics and Lower TCO

Backup and move data sans API charges and egress fees to eliminate lock-in and reduce storage TCO. Lyve Cloud offers a scalable data management platform with long-term cost predictability that easily adapts to customers' evolving storage needs.

Improved Compliance and Data Security

Easily respond to compliance requests and rest assured that all data transferred, stored, and managed is secured. Lyve Cloud with Commvault offers protection against ransomware attacks and other security threats.

Business Continuity

Keep your business moving forward in the event of primary data failure using Lyve Cloud's S3 cloud storage air gapping and backup immutability. Lyve Cloud with Commvault leverages multi-regional availability for fast data restores and disaster recovery whenever the need arises.



Getting Started: Deploying Lyve Cloud with Commvault

Deployment Prerequisites

- A configured Lyve Cloud Storage Account
- A configured Commvault Account
- Enough bandwidth to ensure efficient migration for the size of data to be transferred.

*Note: If you do not have enough network bandwidth to complete the initial backup data transfer, Seagate offers fully **managed migration services**. Our migration experts will migrate your digital and/or analog backup data to Lyve Cloud where it can be easily accessed for compliance and disaster recovery.*

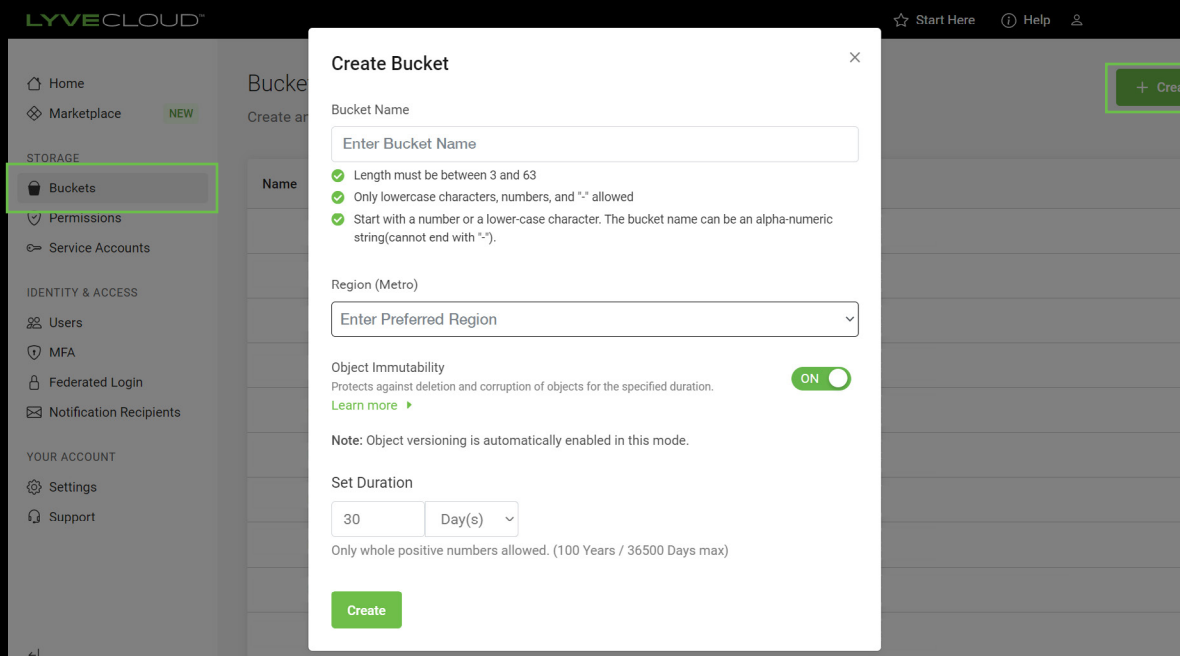
Configuration Overview: The configuration for Lyve Cloud with the Commvault Command Center is divided into two simple tasks.

- Task 1: Set up a Lyve Cloud Storage Account
- Task 2: Configure Lyve Cloud with Commvault

Task 1: Create Lyve Cloud Account

Step 1: Create Bucket

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



Step 2: Create Bucket Permission

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

Create Bucket Permission [Learn more](#)

Name

Only alphanumeric names are allowed, including also '.', '_', or space

Maximum 128 characters

Which buckets does this permission apply to?

☒ One or more existing buckets

☐ All buckets in this account with a prefix

☐ All buckets in this account

Buckets

Select...

Actions

☒ All operations

☐ Read only

☐ Write only

Create

Step 3: Create Service Accounts

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

New Service Account Created

Make sure to copy or download the secret key to a secured location, as these won't be available for copy or download once this dialog box is closed.

Service Account Name

serviceaccount

Access Key

TGPNCBFF42N3BRAT

Secret Key

UHC6WNB344QQRZPKPMB1ALJDM3Z4KCT

Copy

Download as

CSV JSON

Create Service Account [Learn more](#)

Service Account Name

Only alphanumeric names are allowed, including also '.', '_', or space.

Maximum 256 characters

Select Permissions

☐ Permission Name

Create

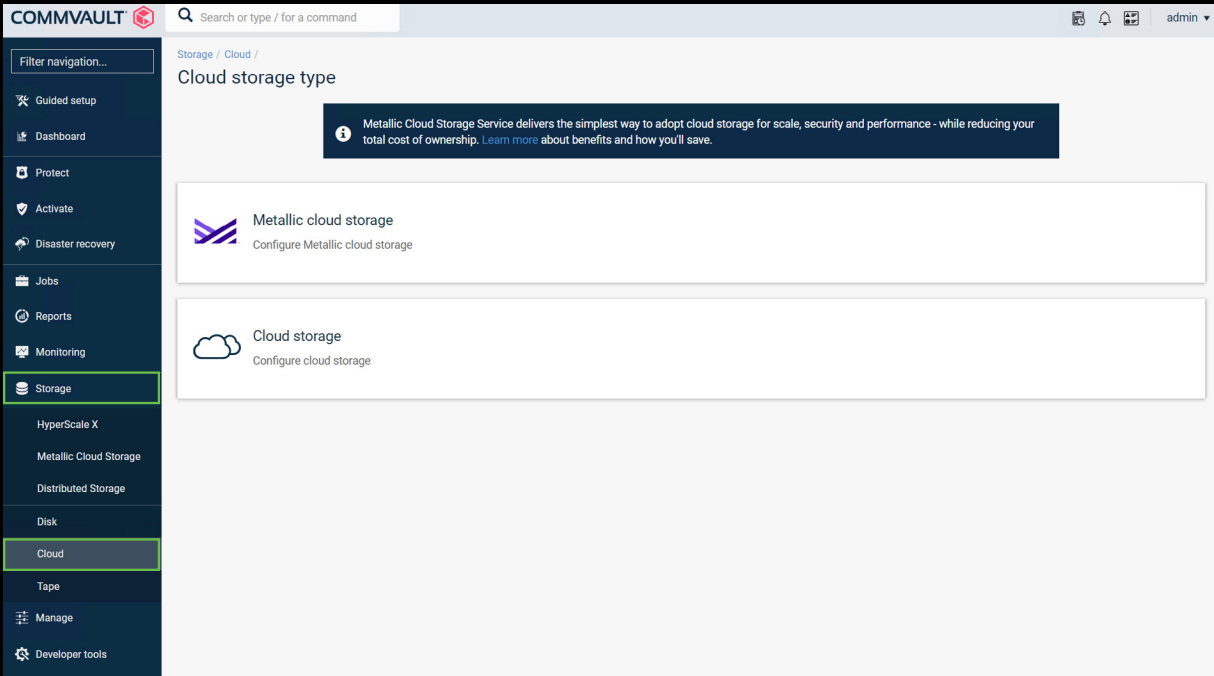
For more information on how to create a bucket, consult the [Lyve Cloud Quick Start Guide](#) or view the [Tutorial Videos](#).



Task 2: Configure Lyve Cloud with Commvault

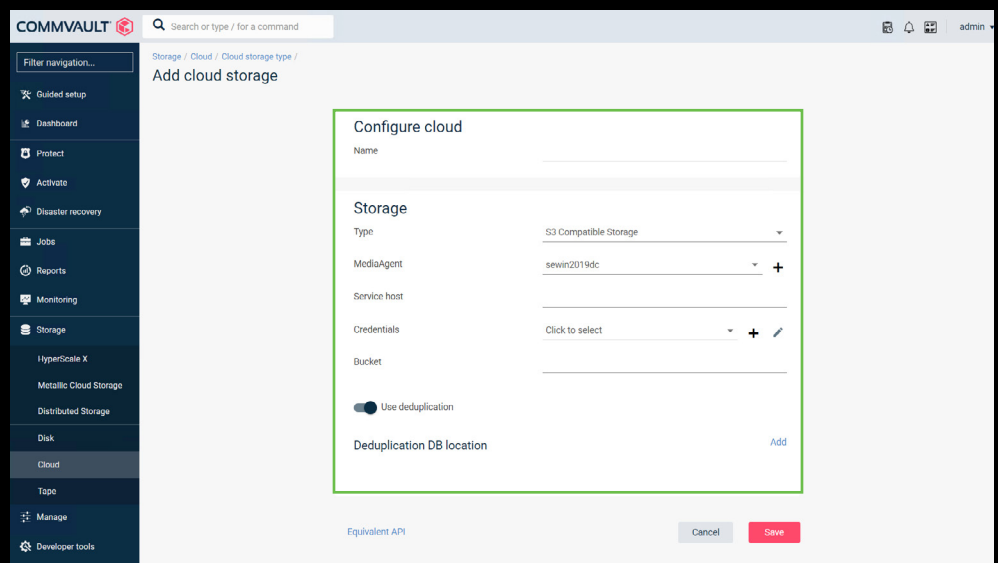
Step 1: From the navigation pane, click “Storage” and navigate to “Cloud”

Step 2: In the upper right corner of the page, click “Add” to add Lyve Cloud

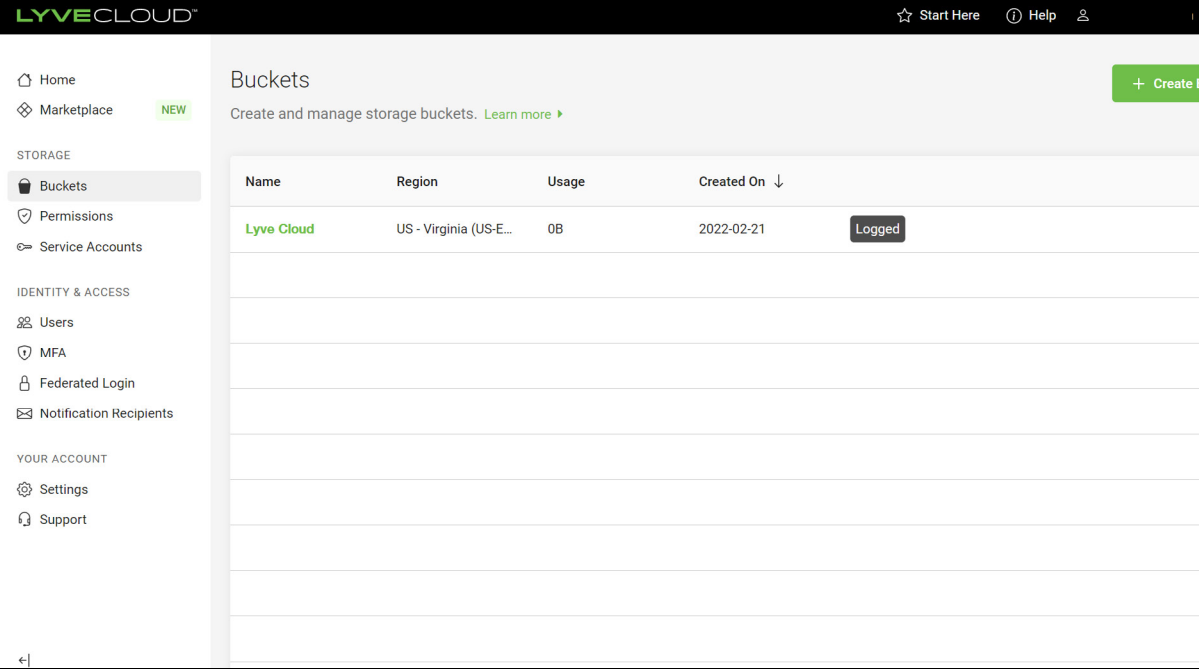
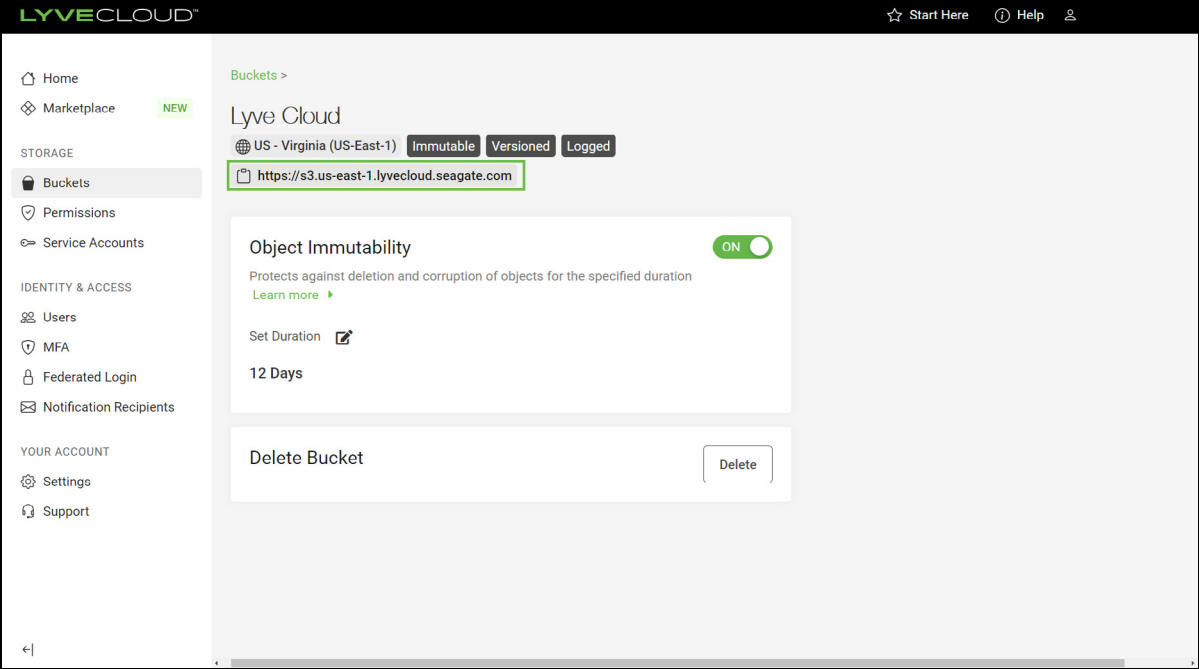


Step 3: Enter the following details for Lyve Cloud:

- Name: Seagate Lyve Cloud
- Type: S3-Compatible Storage
- MediaAgent: Select which Commvault MediaAgent server will read and write to Lyve Cloud
- Enter the Service Host
- Enter your Credentials for Lyve Cloud
- Select the Bucket name created in Lyve Cloud as the target bucket to upload data to



Step 4: Within the bucket details, click on the host URL starting with “https://S3...” This will copy the address to the clipboard, which can then be pasted into the Service Host section in Commvault.



Step 5: Click on the + symbol to add your credentials for Lyve Cloud. Select your Lyve Cloud credentials and enter a name and the Access and Secret Key from the downloaded CSV or JSON file from Task 1, Step 3.

COMMVAULT

Search or type / for a command

Filter navigation...

Guided setup

Dashboard

Protect

Activate

Disaster recovery

Jobs

Reports

Monitoring

Storage

HyperScale X

Metallic Cloud Storage

Distributed Storage

Disk

Cloud

Tape

Manage

Developer tools

Workflows

Web console

Storage / Cloud / Cloud storage type /

Add cloud storage

Configure cloud

Name

Storage

Type

S3 Compatible Storage

MediaAgent

sewin2019dc

Service host

Credentials

Click to select

Bucket

Use deduplication

Deduplication DB location

Equivalent API

Add credential

Credential name

Access key ID

Secret access key

Description

Security

Owner

admin

User/Group

Enter users or user groups

Activate Windows

Go to Settings to activate Windows.

Equivalent API

Cancel

Save

Step 6: Add duplication database location and specify a server storage target to use data deduplication.

Note: We recommend using data deduplication for backup to Lyve Cloud. With Commvault's global data deduplication, backup data is reduced up to 90% or more. Only unique data and changes are stored and transferred, and your Cloud storage and network capabilities can be utilized more efficiently. This has several advantages, including eliminating excessive copies of data, reducing storage capacity, improving network performance and reduce backup windows.

Step 7: Create a new plan by selecting “Plans” and navigating to “Create Plan.”

- Enter a name for the plan.
- Select any backup destinations to the plan for primary and secondary backup copies.

Note: Commvault provides the option to add multiple backup destinations to a plan to combine different backups such as disk to cloud and immutable cloud storage. The plan that is selected will be executed when creating a Protection.

COMMVAULT

Search or type / for a command

Filter navigation...

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Storage

Manage

CommCell

Servers

Server groups

Companies

Plans

Tags

Infrastructure

Plans

View All

Plan name ↑	Plan type	Associated entities	RPO
Backup_Lyve Cloud	Server	0	4 hours
Disk-to-Cloud	Server	3	1 days
Lyve Cloud Immutable	Server	0	1 days
Server plan	Server	1	1 days

Create server backup plan

Plan nameBackup to Disk to Lyve Cloud

Backup destinationsAdd copy

Name ↑	Storage	Retention period
Cloud Copy	Lyve Cloud	1 Month
Cloud Copy - Immutable	Lyve Cloud - Immutable	1 Month
Primary	Disk Storage	1 Month

RPOBackup frequencyRuns every 1 Day(s)Start time09 : 00 PMAdd full backupBackup windowMonday through Sunday : All dayFull backup windowMonday through Sunday : All dayFolders to backupSnapshot optionsDatabase optionsOverride restrictions



Step 8: To create a Protection plan, add a Subclient in Commvault that is using the created Plan. To create a File Server Protection (backup):

- Navigate to “File Servers” in the Protect Menu and select a file server you want to add to protect.
- Select “Add Subclient.”
 - Enter a name and select the desired Plan created in the previous step.
 - Select “Define your own backup content” if it’s necessary to choose a path for the backup and add pre- and post-backup jobs.
- Click “OK.” Backups will be executed on the defined schedule and using the plan assigned storage targets.

The screenshot displays the Commvault web console interface. On the left, a navigation sidebar includes sections like 'Filter navigation...', 'Guided setup', 'Dashboard', 'Protect', 'Virtualization', 'File servers' (highlighted), 'Databases', 'Laptops', 'Applications', 'Activate', 'Disaster recovery', 'Jobs', 'Reports', 'Monitoring', 'Storage', 'Manage', 'Developer tools', 'Workflows', and 'Web console'. The main area is divided into 'Overview' and 'Configuration' tabs. Under 'Overview', the 'File servers' section shows a list of servers, with 'sewin2019dc' selected. The 'General' tab for this server displays details such as Host Name (SEWIN2019DC), Install date (Nov 10, 2021 5:43 PM), Version (11.24.7), Plan (Disk-to-Cloud), Status (Missed), Client readiness (Ready), Last successful backup (Dec 7, 2021 10:40 PM), Oldest backup time (Nov 18, 2021 8:52 AM), Application size (409.59 GB), Savings percentage (82.81%), and Region (West Central US (Wyoming)). A 'Recovery points' calendar is also visible. Below the 'General' tab, the 'Subclients' section shows a table with columns for Name, Plan, Backup content, Last successful backup, and Last backup size. The 'Add subclient' dialog is open on the right, showing fields for Name, Backup set (defaultBackupSet), Plan (Disk-to-Cloud), and options for Backup content (All contents) and Excluded from backup (No exclude content). It also includes a section for 'Define your own backup content' with tabs for Content, Exclusions, and Exceptions, and a 'Backup process settings' section for Pre-backup and Post-backup processes. At the bottom of the dialog, there is an 'Equivalent API' link and 'Cancel' and 'OK' buttons.



Conclusion: Activate Backups for Better Business Insights

Lyve Cloud with Commvault significantly reduces storage and backup costs while improving the efficiency and manageability of enterprise data. With this joint solution, enterprises can tackle the issue of data sprawl while activating more data for better business insights. They can also rest assured that their valuable data is being securely stored and managed—enabling business continuity in the event of primary data failure. Level up enterprise data protection, simplify compliance, improve data governance, and reduce TCO with the Lyve Cloud and Commvault joint solution.

Ready to Learn More? Visit us at seagate.com/lyvecloud

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