SEAGATE LYVE™ Cloud

Best Practices Guide

Configure Seagate Lyve Cloud with IBM Spectrum Protect

Get the most out of our efficient and centralized enterprise backup solution.

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Challenge Summary: Data Security Risks Abound

With the rapid growth of data, organizations from every sector are vulnerable to data storage challenges. Security concerns are a main priority to protect confidential information, all while working in alignment with new regulatory requirements. Hardware failures, natural disasters, and cyberattacks are only a few of the potential risks when it comes to maintaining physical storage devices. With the increase in data growth and regulations comes a demand for longer retention periods and, therefore, a need for secure protection and simple data retrieval.

Solution Summary: A Scalable and Automated Backup and Archive Solution

IBM Spectrum Protect and Seagate® Lyve™ Cloud work together to provide enterprises a modernized solution to protect data while delivering a scalable, cost-efficient, and secure approach to protecting their business. This joint effort offers an automated and effective data recovery option to safeguard against potential security threats and data losses. It delivers an exceptional performance with predictable pricing models, secure backup and archive, and easy retrievals.

Lyve Cloud's focus on predictable cost, security, and efficient accessibility, combined with IBM Spectrum Protect's extremely scalable data protection solution, removes extra costs and fees, reduces network requirements, and maintains cyber resiliency against threats, data loss, and disasters.

Getting Started: Deploying Lyve Cloud with IBM Spectrum

Deployment Prerequisites

- A configured Lyve Cloud Storage Account (including Access and Secret Keys for the storage account, as well as the ability to read/write/list and create buckets and objects, as well as the ability to delete objects)
- A configured IBM Spectrum Protect Account (Follow IBM Spectrum Protect Best Practices for your workload and environment)

Configuration Overview

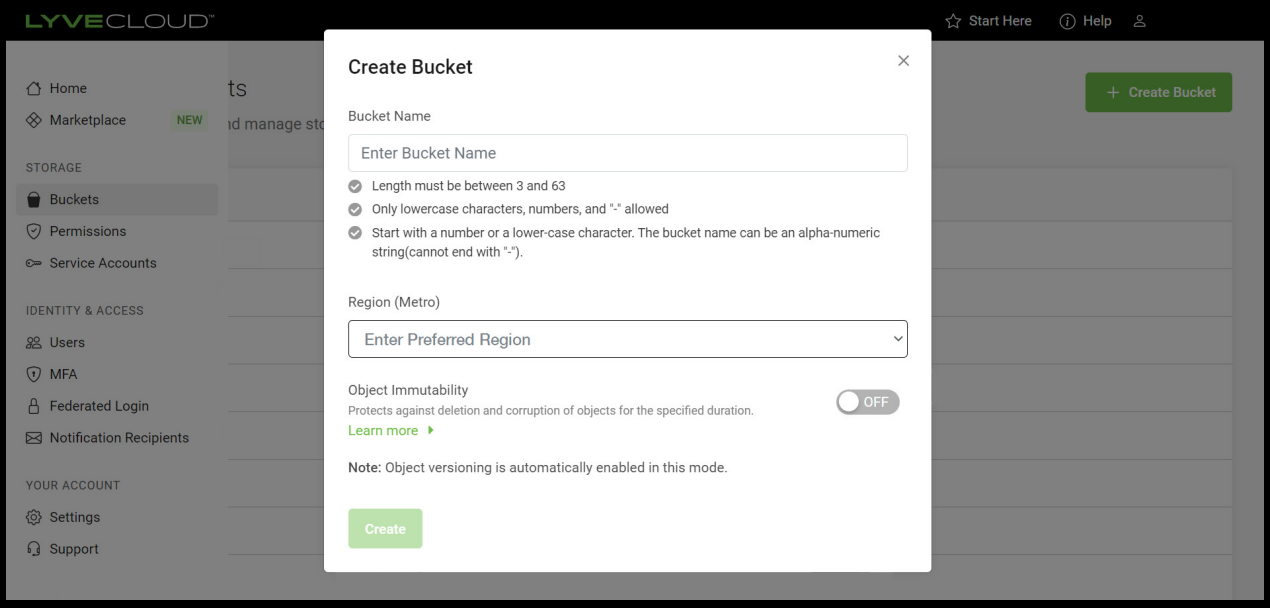
The configuration for Lyve Cloud with IBM Spectrum Protect is divided into two simple task

- Task 1: Create a Lyve Cloud Service Account (consult the **Lyve Cloud Quick Start Guide**)
- Task 2: Add a Cloud Tier on IBM Spectrum Protect Server (consult the **Configuring a Cloud Container Storage Pool** reference guide)

Task 1: Create Lyve Cloud Account

Step 1: Create Bucket

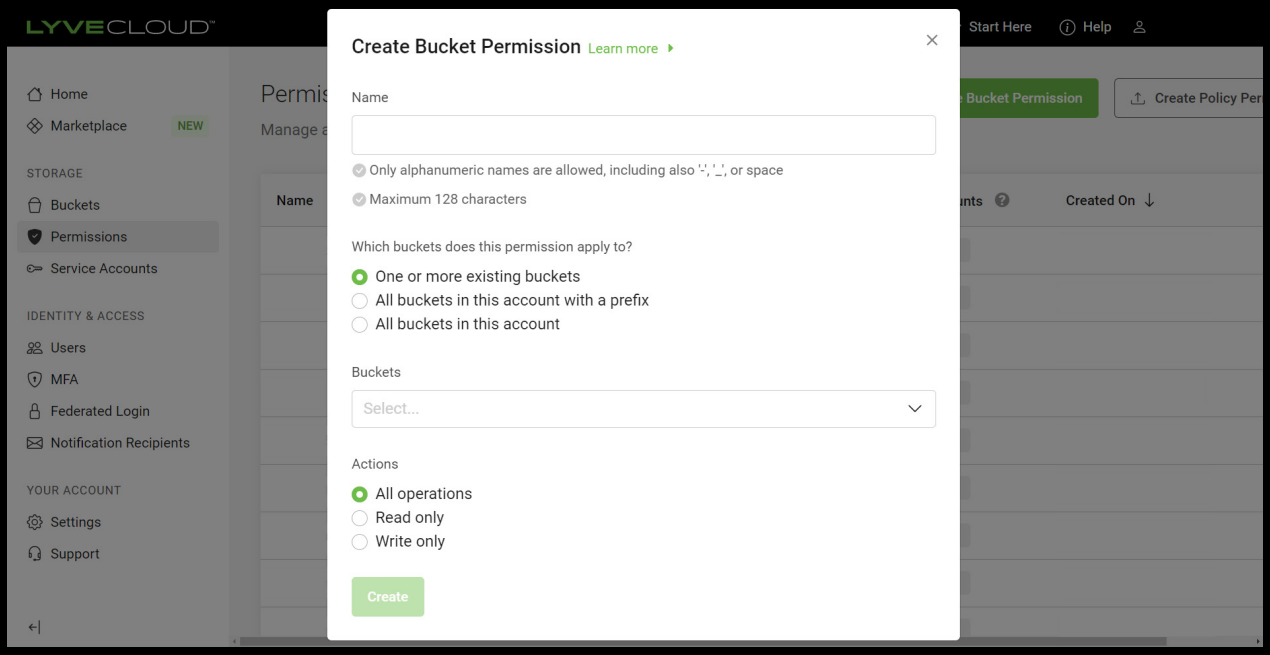
Go to the “Bucket” section of the Lyve Cloud Console and select the “Create Bucket” button. Enter unique Bucket Name and select Preferred Region



Note: IBM does not support Object Immutability.

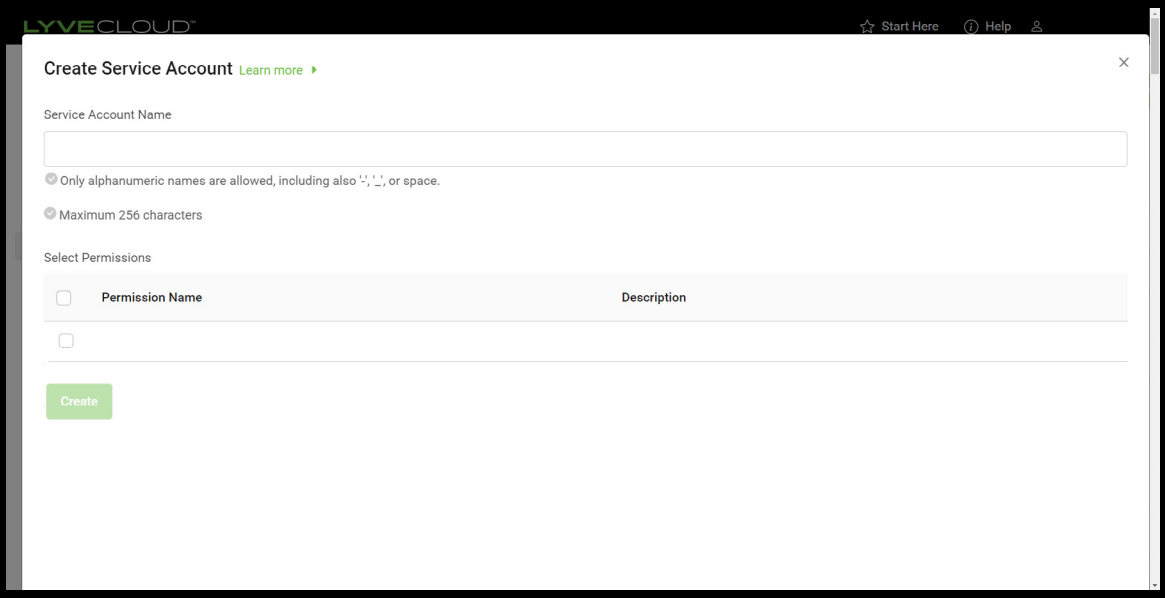
Step 2: Create Bucket Permission

Go to the “Permissions” section of the Lyve Cloud Console and select the “Create Bucket Permission” button. Enter unique Name, select Permissions, and allocate All Operations.

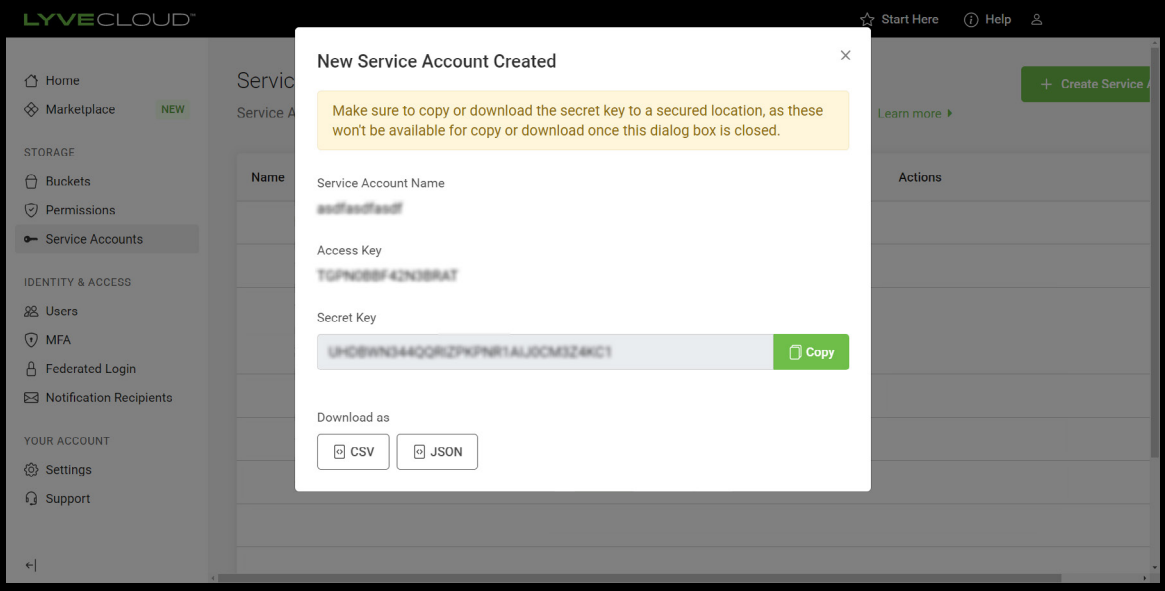


Step 3: Create Service Accounts

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



Enter the unique Service Account name and select Permissions. The confirmation box will display the Access Key and Secret Key. **Copy or download the Access Key and Secret Key information before closing.**



Note: You must have at least one bucket with at least one associated permission before you can establish the credentials needed to add Lyve Cloud as a new Cloud Tier.

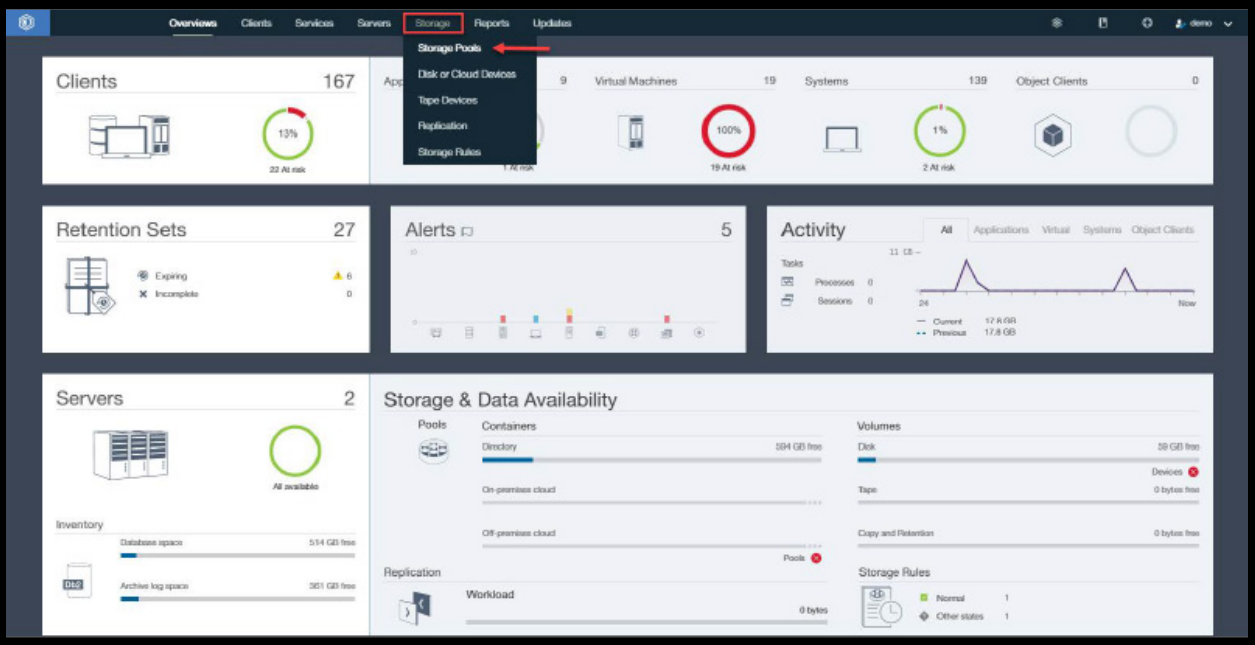
For more information on how to create a bucket, consult the **Lyve Cloud Quick Start Guide** *or view the* **Tutorial Videos**.

Task 2: Add a Cloud Tier on IBM Spectrum Protect Server

IBM Spectrum Protect environment readiness is assumed.

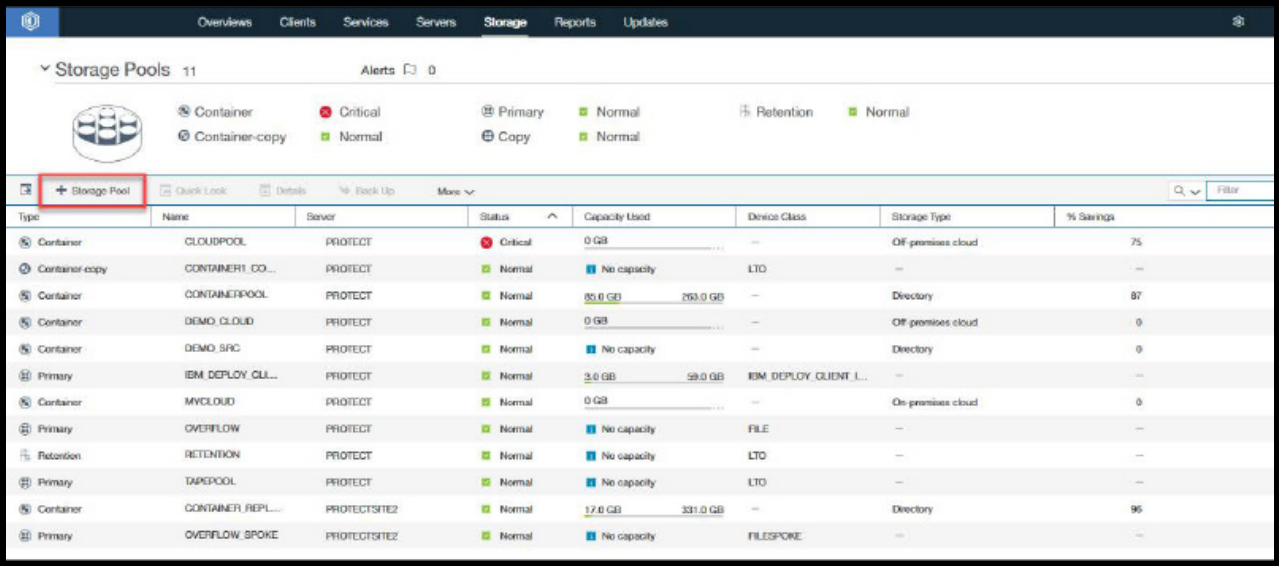
Step 1: Add a Cloud Container Storage Pool

Go to the “Storage” section of the IBM Spectrum Protect Operations Center. Select “Storage Pools.”



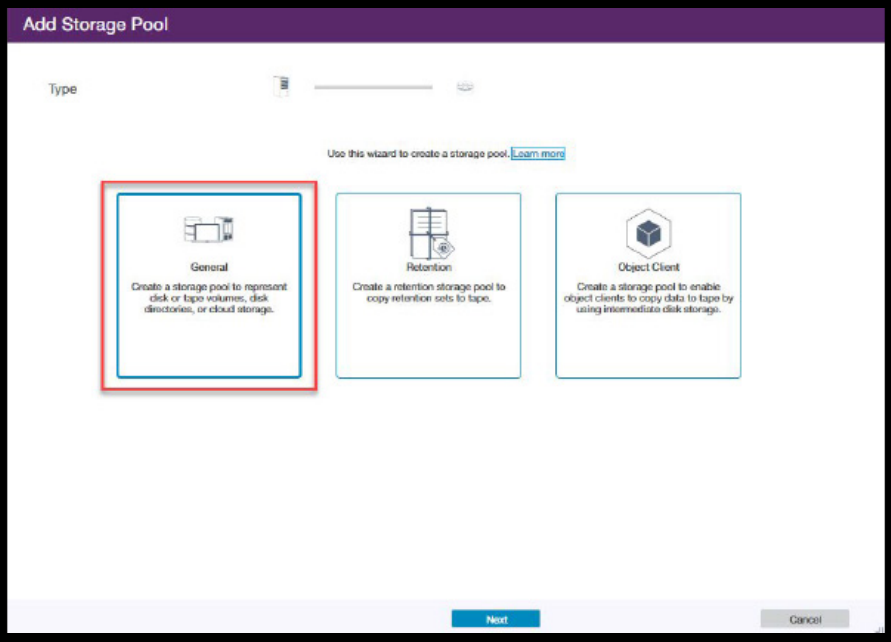
Step 2: Add Storage Pool

Select “+ Storage Pool” to start the storage pool wizard and complete the steps to create a storage pool.



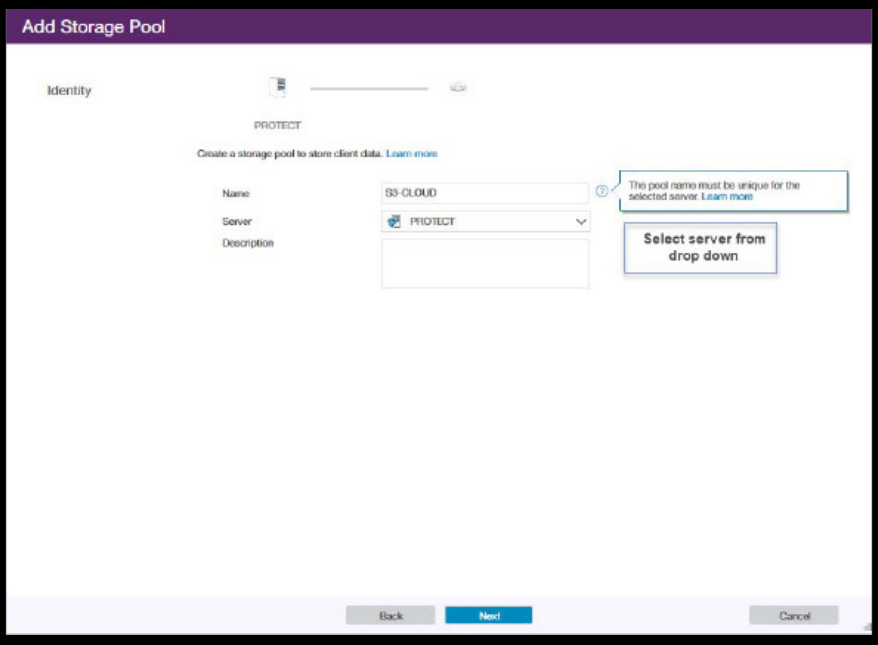
Step 3: Create Storage Pool Type

At the **Type** step of the wizard, select “General” to configure a cloud container storage pool.



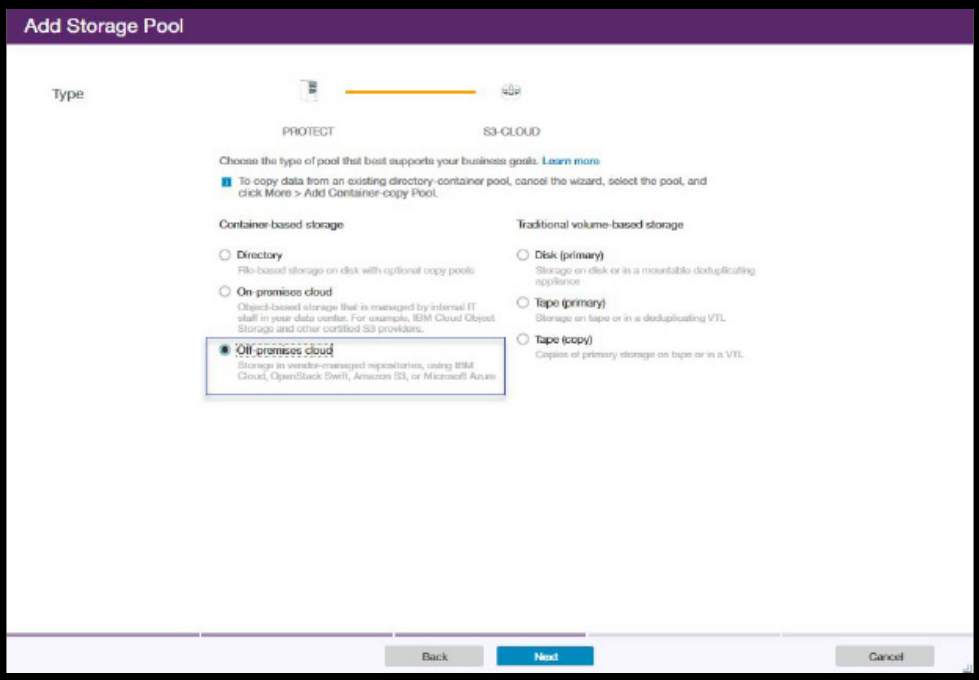
Step 4: Create Cloud Container Identity

At the **Identity** step of the wizard, specify a name for the storage pool and the server.



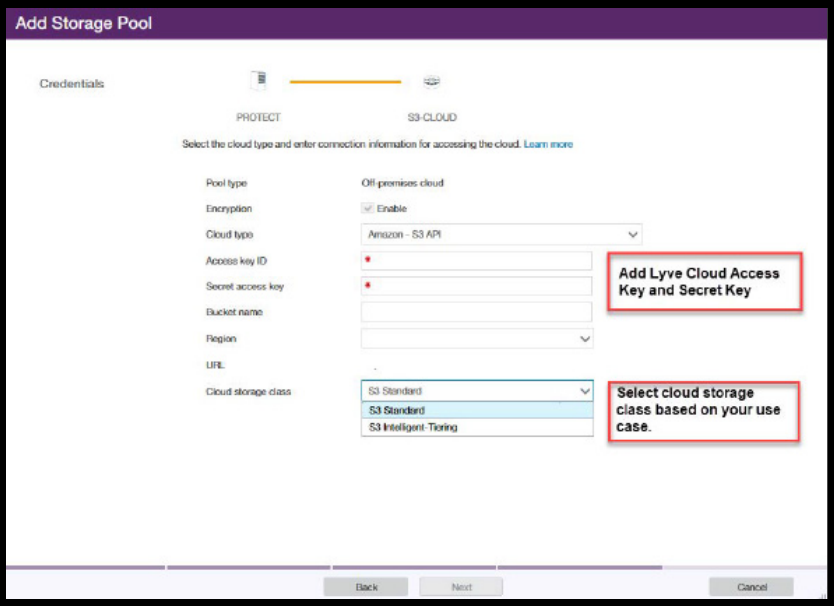
Step 5: Specify Storage Pool Type

At the **Type** step of the wizard, select “Off-Premises Cloud” to configure a cloud-container storage pool in Lyve Cloud.



Step 6: Add Credentials

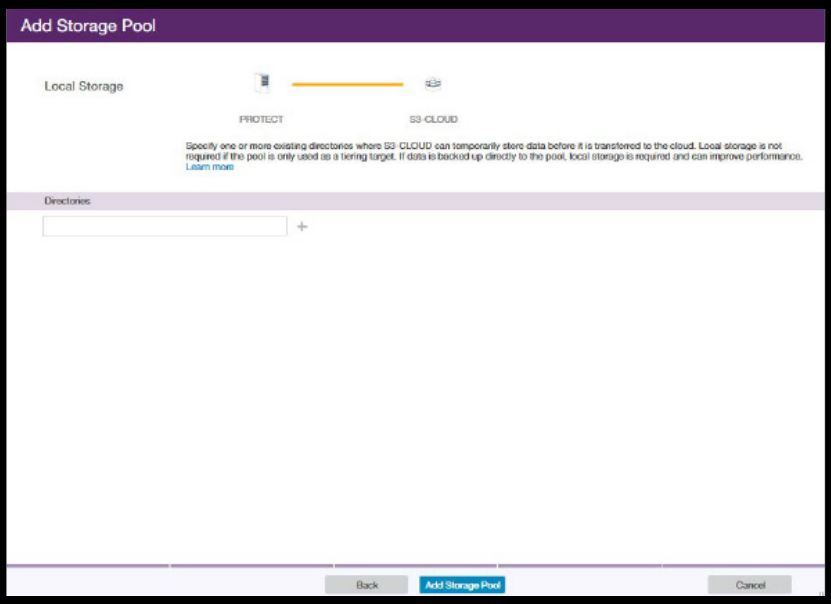
At the **Credentials** step of the wizard, enter connection information.



- Enter the Access Key ID and Secret Access Key stored from Task 1, Step 3 when Creating a Service Account.
- Select the preferred cloud storage class based on the use case.

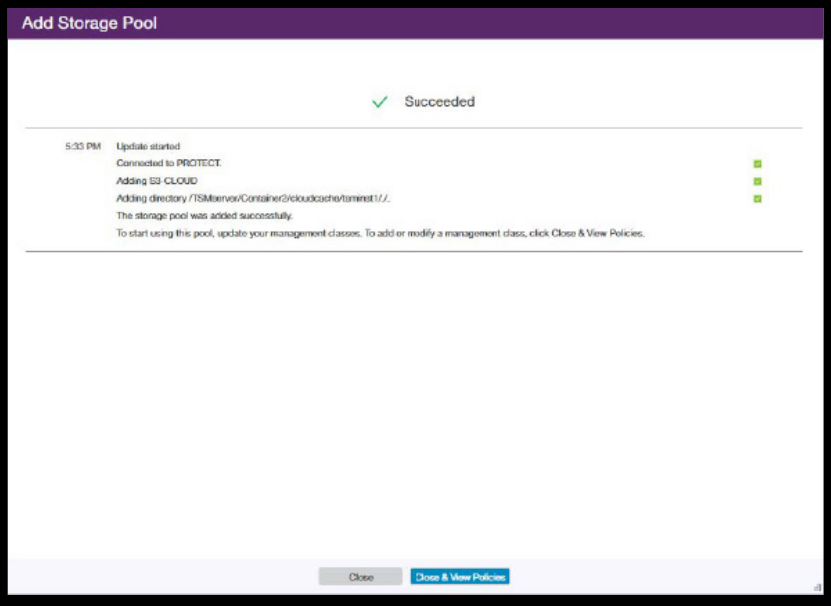
Step 7: Add Local Storage

At the **Local Storage** step of the wizard, specify existing file system directories for disk storage.



Step 8: Finish Working with Wizard

At the **Summary** step of the wizard, review configuration.



Close the wizard and view “Policies” to start using the new data pool.

Conclusion: Safeguard Backups for Restores and Compliance

With IBM Spectrum Protect and Seagate Lyve Cloud, enterprises will receive the best backup solution for their business storage needs. The joint solution provides a simple, scalable, and secure approach across multiple workloads designed for each organization—all while utilizing a cost-effective and agile method to harness data to its full potential towards a business transformation.

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

For more information on IBM Spectrum Protect visit:
https://www.ibm.com/products/data-protection-and-recovery

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