

Configure Seagate Lyve Cloud with Veeam Backup & Replication Software

Get the most out of our industry-leading joint solution for storage, backup, recovery, and monitoring.

Contents

- 02.... Challenge Summary: Data Loss Is Bad for Business
- 02.... Solution Summary: Industry-Leading Backup and Recovery
- 02.... Use Cases: The Benefits of Using Lyve Cloud with Veeam Backup & Replication
- 03.... Getting Started: Deploying Lyve Cloud with Veeam Backup & Replication
- 15.... Conclusion: Simplify Your Backup

Challenge Summary: Data Loss Is Bad for Business

Data is critical to keeping your business running. With data volume and velocity continuing to grow at an exponential pace, and workloads accelerating to multicloud ecosystems, data and costs are harder to manage than ever before. There's never been a more urgent time to move beyond legacy backup in favor of a modern data backup, protection, and storage solution that can support multicloud strategies and data lake implementations.

Solution Summary: Industry-Leading Backup and Recovery

Seagate® Lyve™ Cloud with Veeam Backup & Replication integrates seamlessly into hybrid and multicloud environments. When compared to other hyperscale offerings, this scalable storage solution cuts costs by 70% or more. This allows enterprises to easily adapt to business changes, meet recovery objectives, and overcome the challenge of storing and protecting all enterprise data with an always protected and accessible all-in-one solution.

Use Cases: The Benefits of Using Lyve Cloud with Veeam Backup & Replication

Modernize Your Backup

Break free from legacy backup solutions with powerful, modern data protection designed for hybrid and multicloud environments. Increase efficiency with a simple, efficient, and flexible way to store your backup data in the cloud. Everything everywhere is protected with a four-in-one backup and recovery solution for storage snapshots, backups, replicas, and continuous data protection in one product that fortifies your 3-2-1-1 data protection strategy.

Bring Agility to Your Multicloud

Overcome digital transformation challenges and reduce barriers to rapid cloud adoption with seamless data management and mobility across public and private clouds. Your data is always available and recoverable with no proprietary hardware, cloud lock-in, or punishing egress fees.

Orchestrate Reliable Disaster Recovery

Simplify disaster recovery with integrated, cloud-ready backup and replication. Reduce risk, save time, and get reliable restores with automated recovery processes and backup test capabilities. Leverage the expertise of Veeam and Seagate to meet your recovery time objectives and recovery point objectives with confidence.

Safeguard Data from Ransomware Attacks

Mitigate business risks and ensure backup compliance and recoverability with immutability for your backup copies. Protect yourself from the latest threats with security-enabled online and offline backups and immediate non-disruptive testing.

Monitor and Analyze Backup Data

Get a complete view of any data, application, or workload anywhere. Powerful monitoring, reporting, and capacity planning driven by proprietary machine learning and big data capabilities provides full visibility.

Reuse and Test Your Backups

Test your backup and restore plan in a secure environment and avoid data management issues before they cause a problem.



Getting Started: Deploying Lyve Cloud with Veeam Backup & Replication

Veeam Backup & Replication consists of three components:

- 1. Backup Server (GUI, installed on Windows 64-bit OS)
- 2. Backup Proxy (installed on Windows or Linux machine)
- 3. Backup Repository (Any disk-based storage) with copy/archive to object storage

Deployment Prerequisites

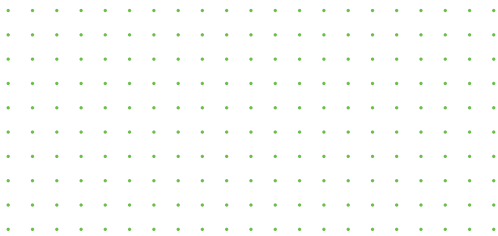
- 1. A Lyve Cloud Storage Account
- 2. A Veeam Backup & Replication Account
 - Follow Veeam Best Practices for your workload and environment

Configuration Overview

The configuration for Lyve Cloud with Veeam Backup & Replication is divided into three simple tasks.

- Task 1: Create a Lyve Cloud Service Account, consult the reference guide: [Lyve Cloud Quick Start Guide](#)
- Task 2: Add a cloud tier to Veeam Backup & Replication, consult the reference guide: [How to Move Data to Cloud](#)
- Task 3: Add a capacity tier to Veeam Backup & Replication, to store and archive backups in the cloud, consult the reference guide: [Veeam Scale-out Repository](#)

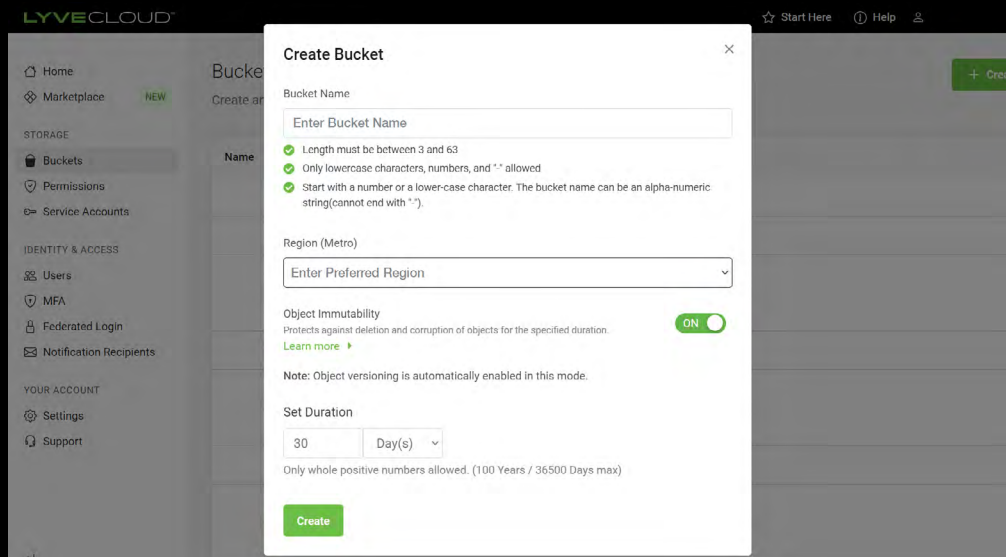
Note: This best practices guide describes how to use Lyve Cloud as a scale-out repository and how to enable object immutability for ransomware protection. To use scale-out repositories in Veeam Backup & Replication, users must install an enterprise license. Because the free community license doesn't support scale-out repositories, Lyve Cloud can only be integrated as a regular backup repository.



Task 1: Create Lyve Cloud Account

Step 1: Create Bucket

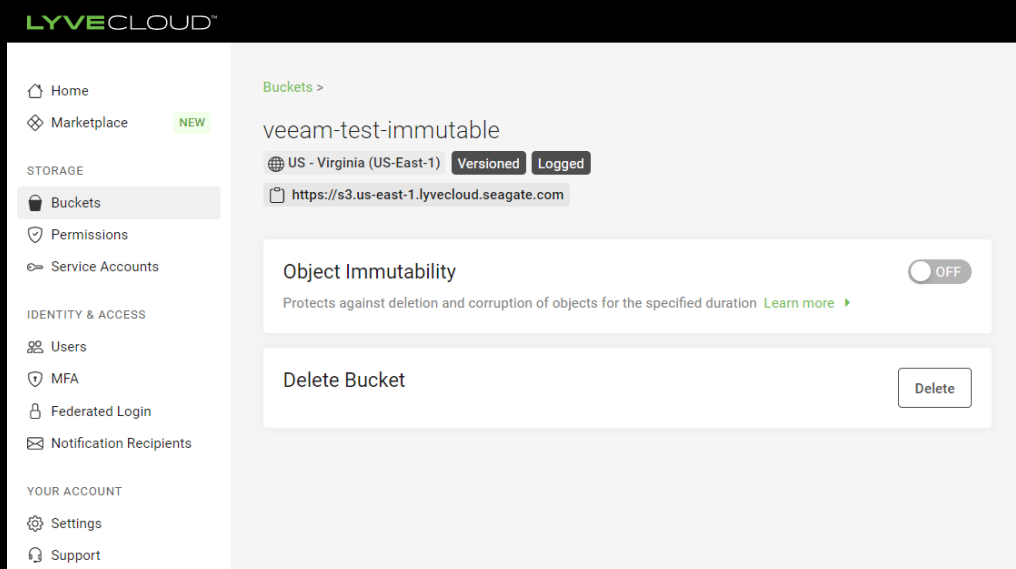
Go to the “Bucket” section of the Lyve Cloud Console and select the “Create Bucket” button. Enter unique Bucket Name and select Preferred Region.



The screenshot shows the 'Create Bucket' modal in the Lyve Cloud console. The modal has a sidebar on the left with navigation links: Home, Marketplace, Buckets, Permissions, Service Accounts, Users, MFA, Federated Login, Notification Recipients, Settings, and Support. The main content area contains the following fields and options:

- Bucket Name:** A text input field with a placeholder 'Enter Bucket Name'. Below it are three validation rules:
 - Length must be between 3 and 63
 - Only lowercase characters, numbers, and '-' allowed
 - Start with a number or a lower-case character. The bucket name can be an alpha-numeric string (cannot end with '.')
- Region (Metro):** A dropdown menu with a placeholder 'Enter Preferred Region'.
- Object Immutability:** A toggle switch labeled 'ON'.
- Set Duration:** A dropdown menu with '30' selected and 'Day(s)' as the unit. Below it is a note: 'Only whole positive numbers allowed. (100 Years / 36500 Days max)'.
- Create:** A green button at the bottom.

For correct setup with Veeam, you must configure your storage bucket with object immutability turned on. Choose your specified retention time before you finish creating the bucket.



The screenshot shows the 'Buckets' page in the Lyve Cloud console. The page has a sidebar on the left with navigation links: Home, Marketplace, Buckets, Permissions, Service Accounts, Users, MFA, Federated Login, Notification Recipients, Settings, and Support. The main content area shows the details for the 'veeam-test-immutable' bucket:

- Buckets >** A breadcrumb link.
- veeam-test-immutable** The bucket name.
- US - Virginia (US-East-1)** The region, with 'Versioned' and 'Logged' status indicators.
- https://s3.us-east-1.lyvecloud.seagate.com** The bucket URL.
- Object Immutability:** A toggle switch labeled 'OFF'.
- Delete Bucket:** A button with a 'Delete' label.

Note: navigate to your created bucket and turn object immutability off. This is required in order to enable versioning for this bucket, which allows Veeam to make it a configurable option for Backup and Replication.



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 Permission and allocate All Operations.

Home

Marketplace NEW

STORAGE

Buckets

Permissions

Service Accounts

IDENTITY & ACCESS

Users

MFA

Federated Login

Notification Recipients

YOUR ACCOUNT

Settings

Support

Permissions

Manage a permission

Name

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

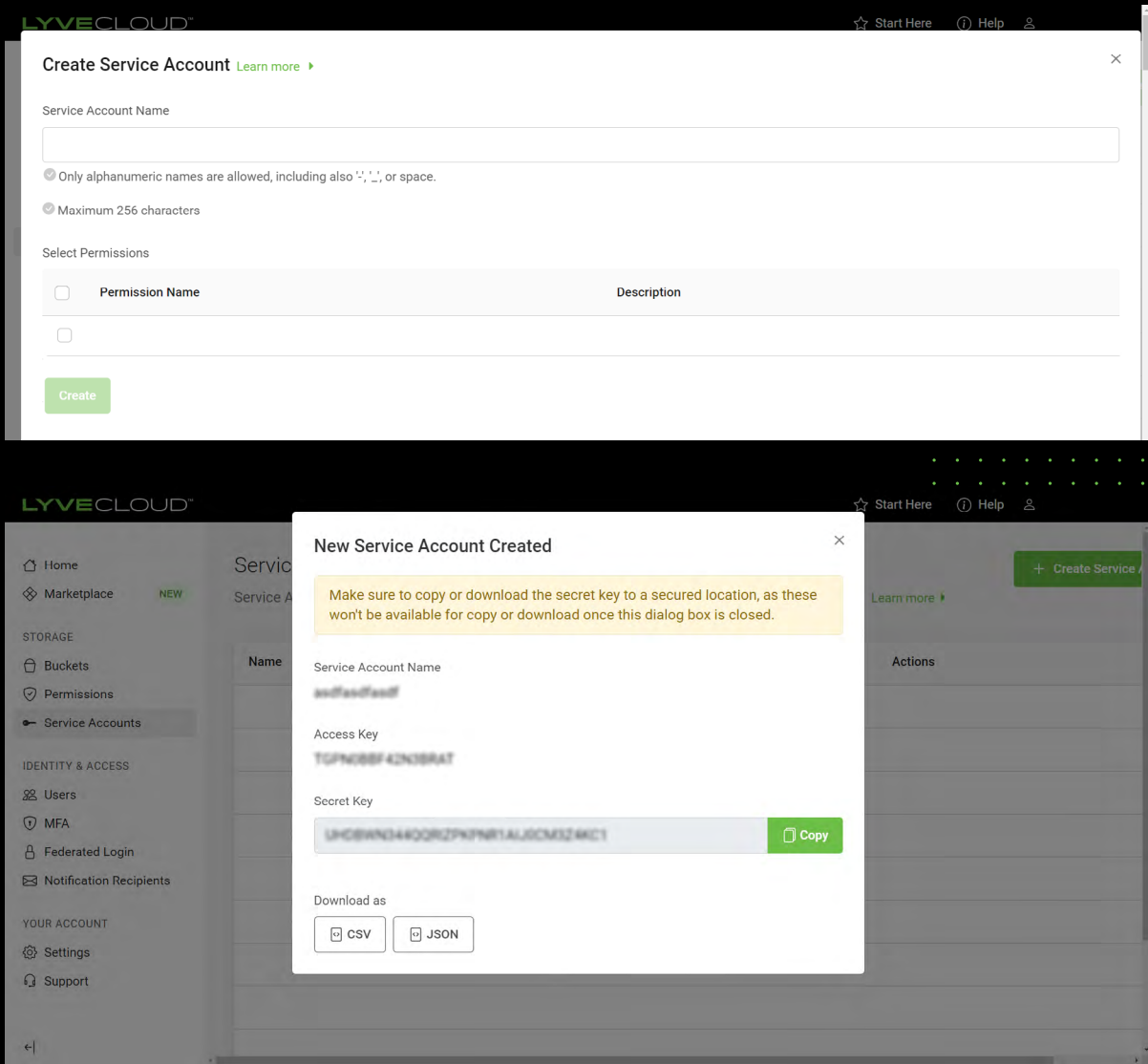
☐ Write only

Create



Step 3: Create Service Accounts

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



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

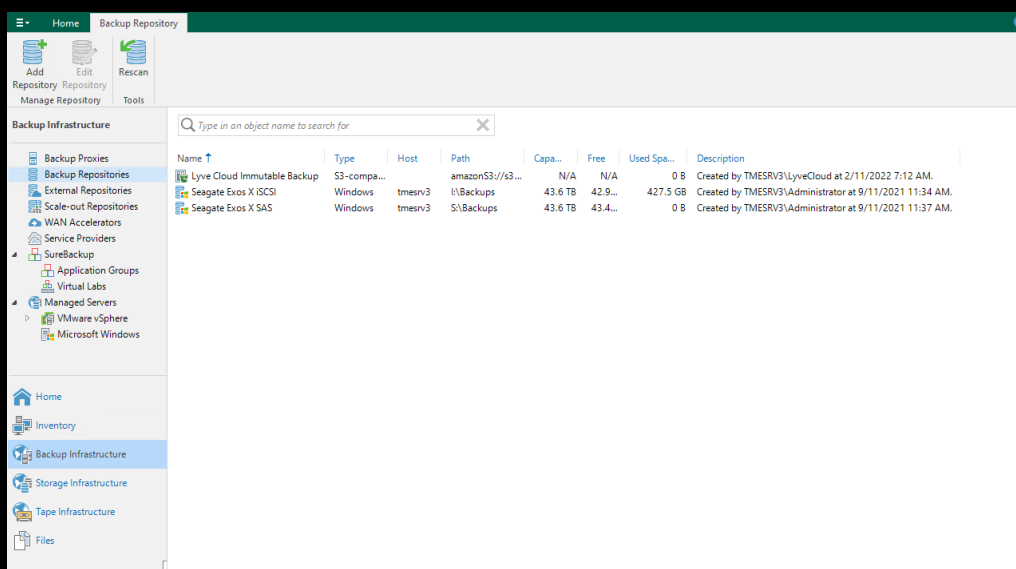


Task 2: Add a Cloud Tier on Veeam Backup Server

Veeam environment readiness is assumed. For more information, consult the how to install reference guide: [How to Install Backup and Replication](#).

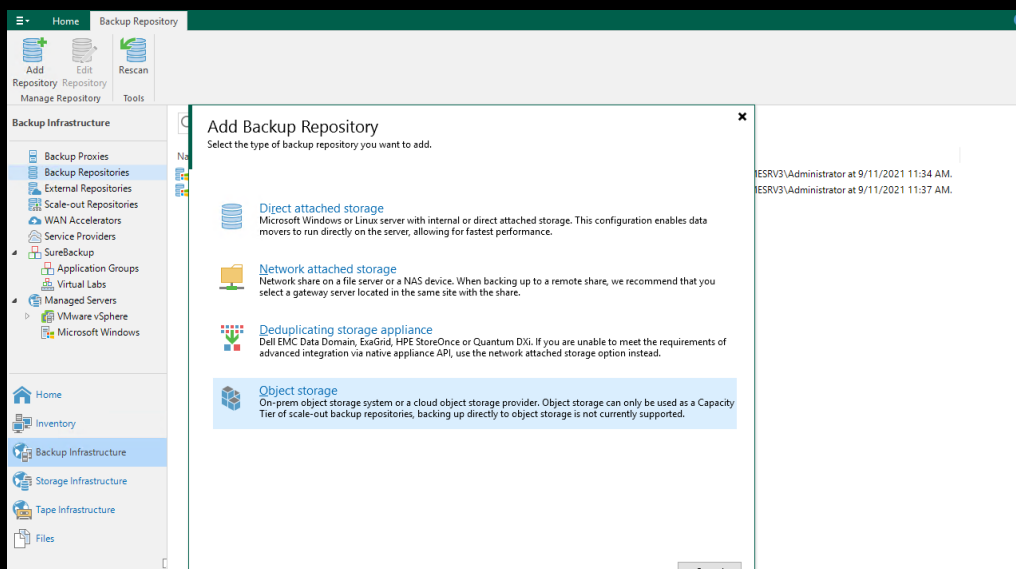
Step 1: Launch New Object Repository Wizard

Open the “Backup Infrastructure” view, then under Backup Infrastructure, select “Backup Repositories.” In the ribbon click on “Add Repository” in the upper left-hand corner.



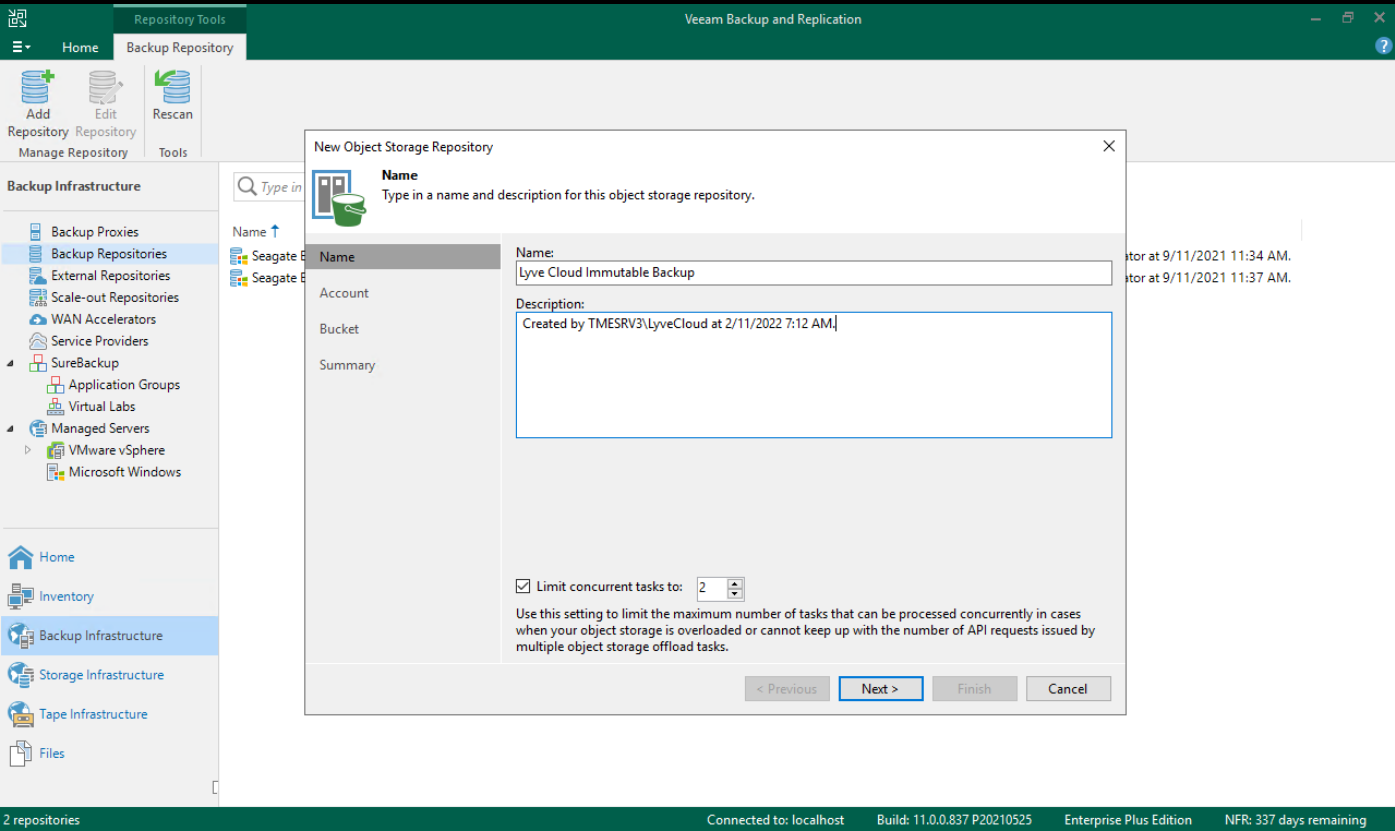
Step 2: Add Backup Repository

In the Add Backup Repository dialog, select “Object Storage.” and select “S3 Compatible”.



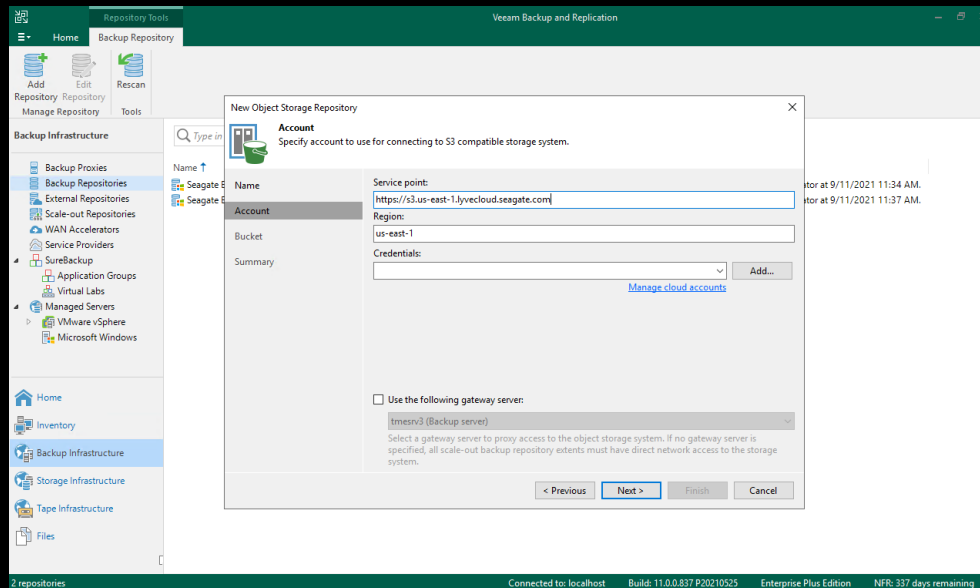
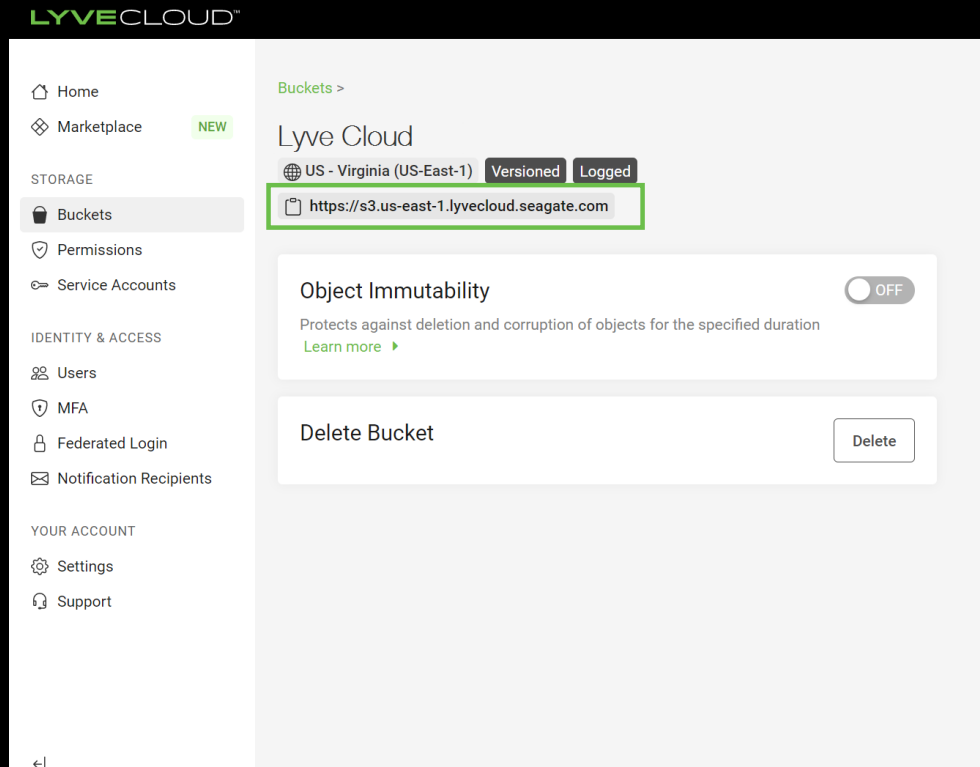
Step 3: Specify Object Storage Name

At the Name step of the wizard, specify a name and description for the object storage repository.



Step 4: Select the S3 URL from Lyve Cloud Bucket

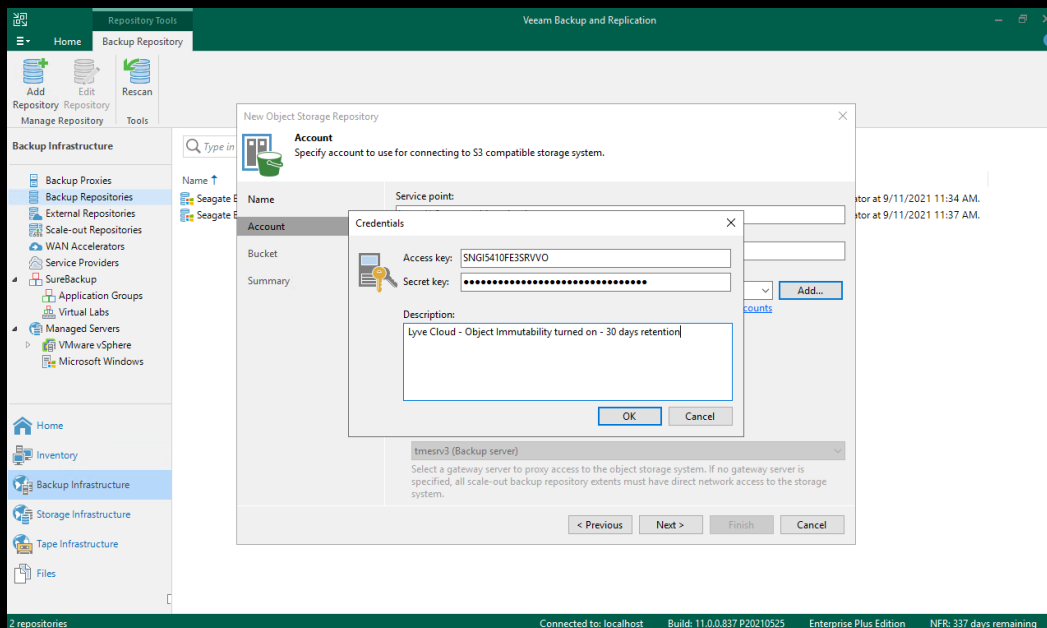
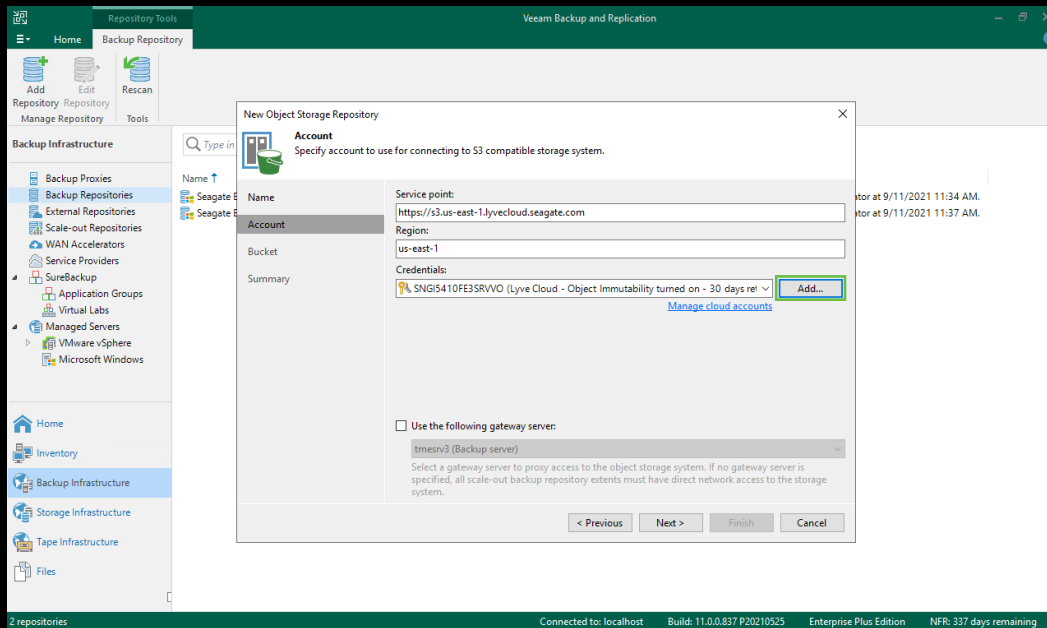
Navigate to the Lyve Cloud Console and select the “Buckets” section. Click on the bucket created from Task 1, Step 1. Click on the host URL starting with “https://s3...” This will copy the address to the clipboard, which can be pasted into the Service Point section in Veeam.



Step 5: Specify Object Storage Account

At the Account step of the wizard, specify the connection settings.

- Service Point: S3 Bucket URL from Task 2, Step 4
- Region: Type in the region specified in the S3 URL
- Credentials: Click “add” and provide the access and secret keys obtained from Task 1, Step 3
- Gateway Server: Check the box to use a gateway server and choose an appropriate server from the list

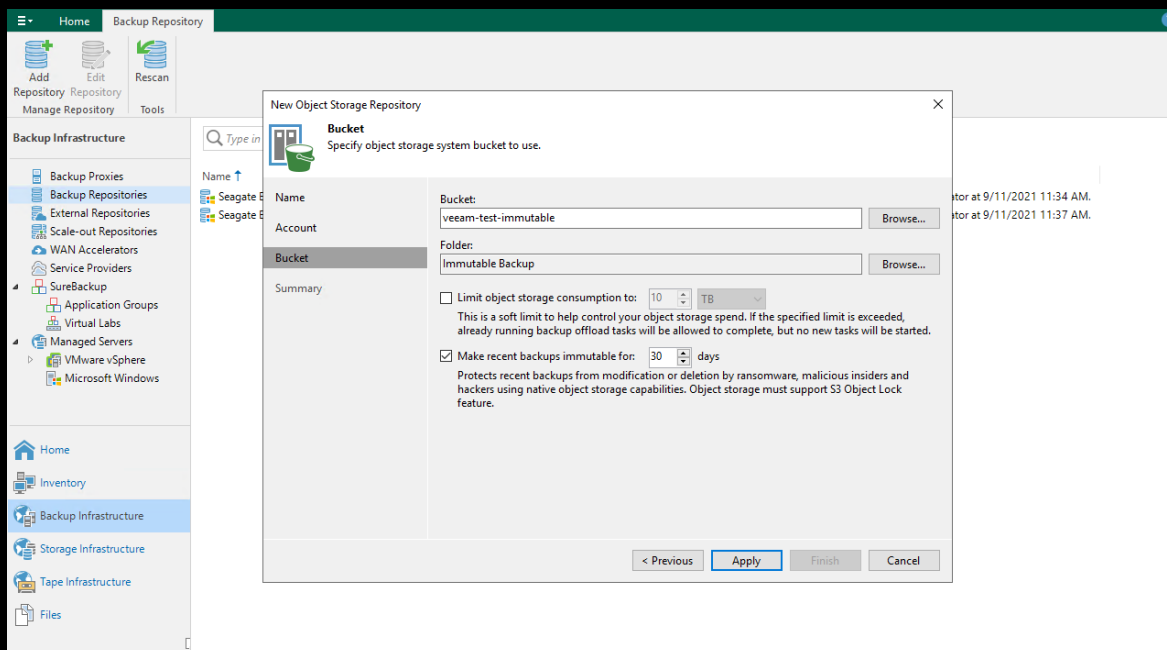


After entering the information, click “Next”.



Step 6: Specify Object Storage Settings

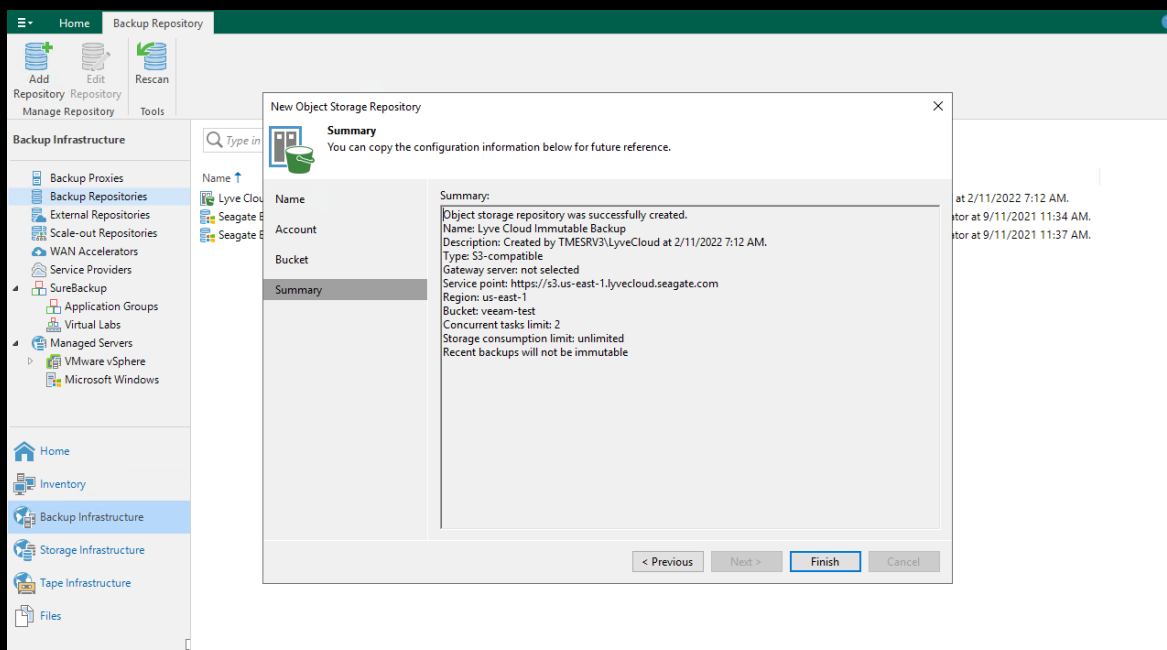
At the Bucket step of the wizard, specify the bucket and folder that will be used to store data.



Note: To prohibit the deletion of blocks of data from Lyve Cloud object storage, select the “Make recent backups immutable for” check box and specify the immutability period. This option can only be used with a Lyve Cloud S3 bucket that has versioning enabled. For more information about object immutability, see [Immutability](#).

Step 7: Finish Working with Wizard

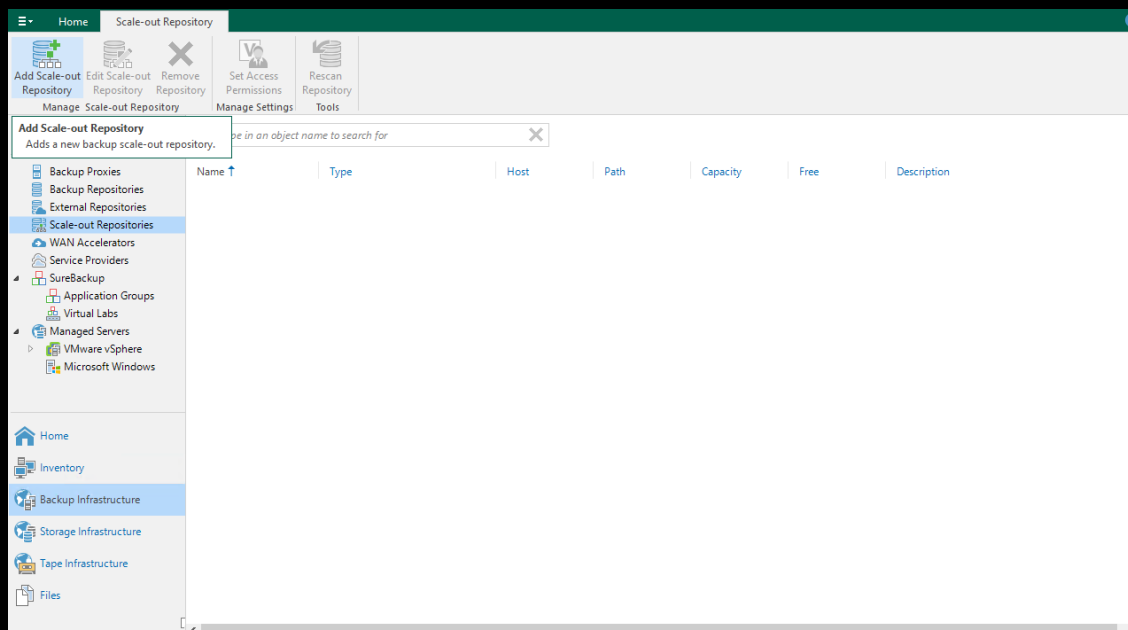
At the Summary step of the wizard, complete the object storage repository configuration.



Task 3: Add a Capacity Tier on Veeam Backup Server

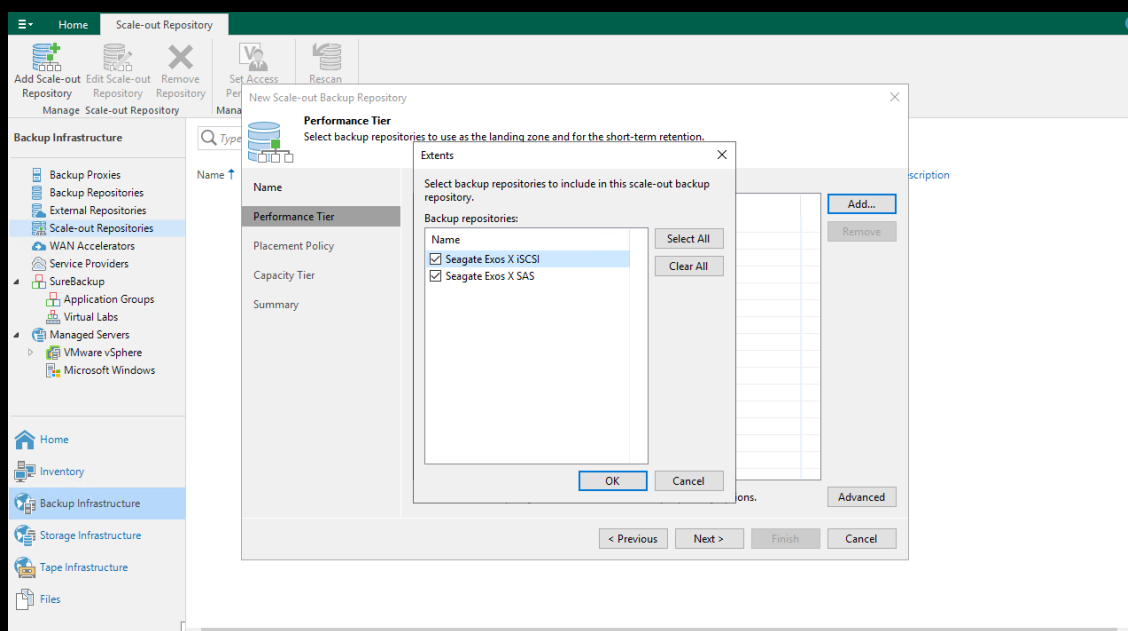
Step 1: Add New Scale-out Backup Repository

Open the “Backup Infrastructure” view, then under Backup Infrastructure. In the ribbon click on “Add Scale-out Repository”, in the upper left-hand corner. Click on “Scale-out Repositories” in the left menu bar.

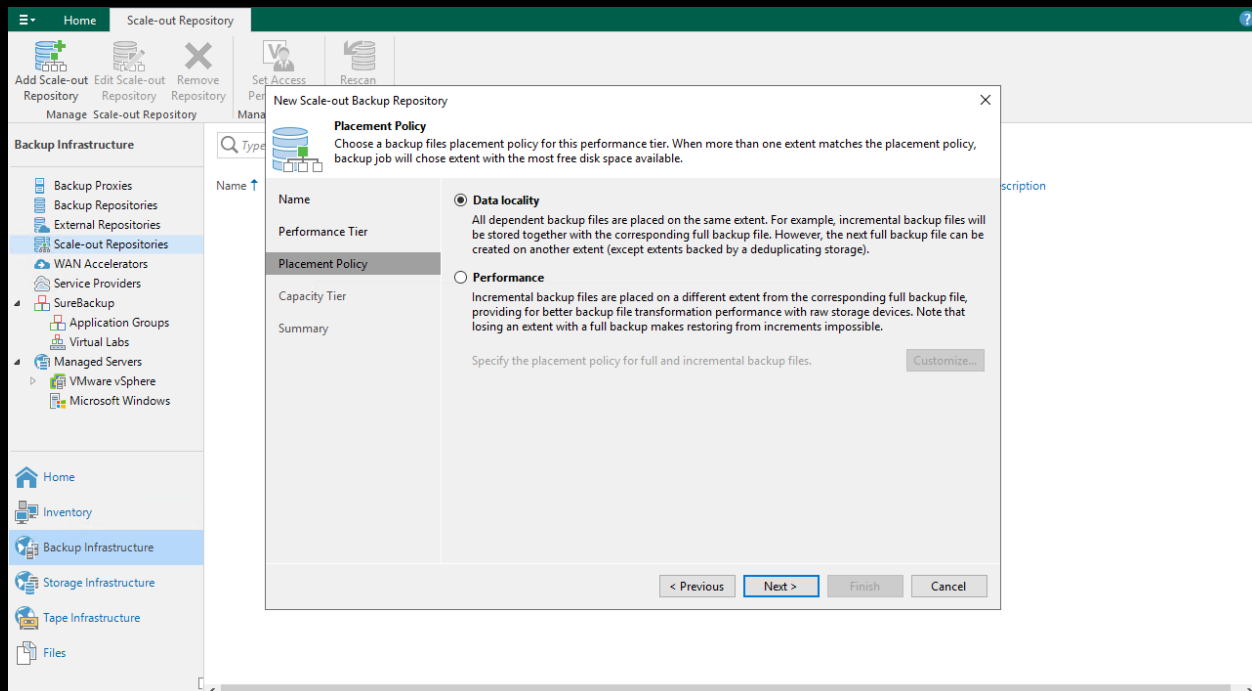


Step 2: Select Performance Tier

Select backup repositories to include in this scale-out backup repository.

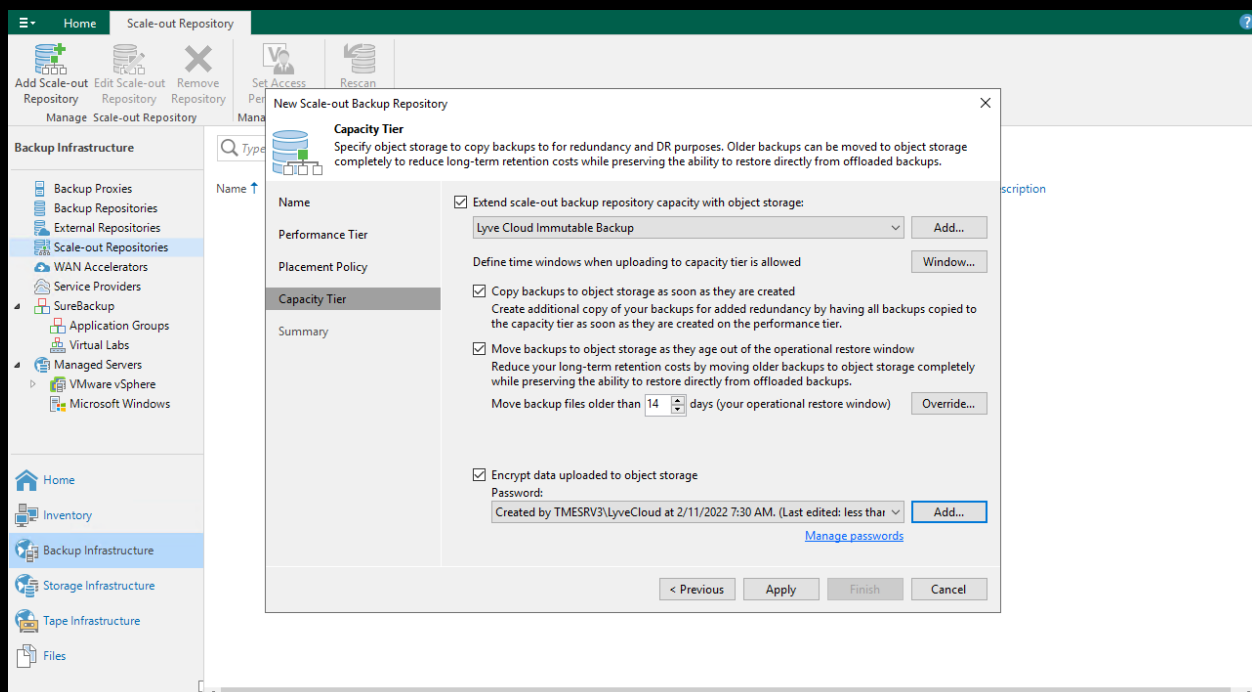


Step 3: Select and Choose Placement Policy



Step 4: Select and Choose Capacity Tier

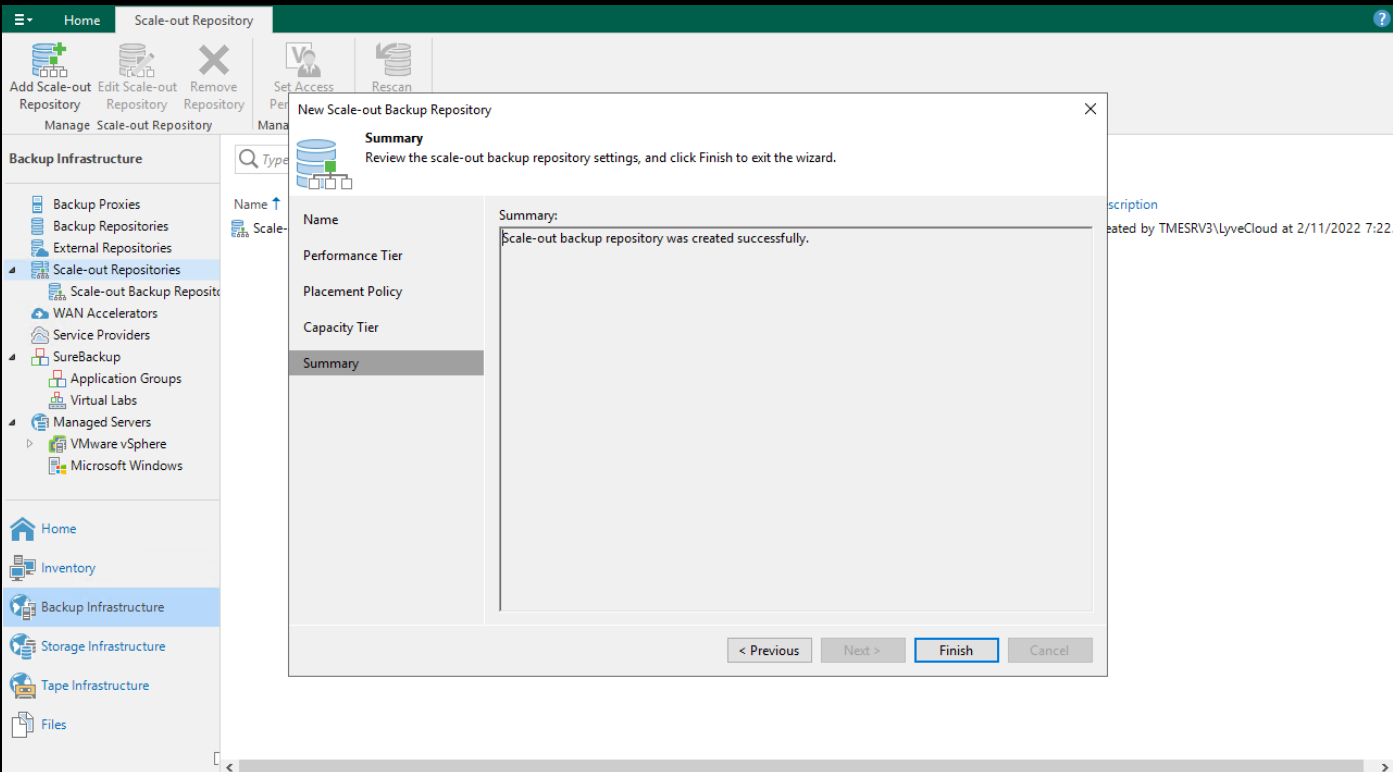
Specify Lyve Cloud Object Storage to copy backups to and click “Add” button.



Note: Lyve Cloud's relatively low storage costs without extra fees eliminates the need for an Archive Tier.

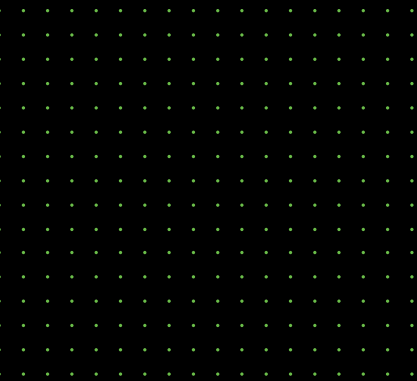


Step 5: Review Summary



That's it! Your new cloud tier and scale out backup repository are ready to be used.

Note: If you configured your storage bucket with object immutability enabled, you will need to turn it off by editing the bucket once you've completed this final step. Make sure versioning is active for continued ransomware protection.



Conclusion: Simplify Your Backup

Automate routine data protection and recovery tasks so data management risks can be addressed before they become a problem. Seagate Lyve Cloud is qualified as Veeam Ready with object immutability and is now available using the S3-Compatible Storage selection within Veeam. Get fast and reliable restores that can be tested in a secure environment without costly charges for egress or API calls and modern enterprise data protection with monitoring and analytics capabilities.

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

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