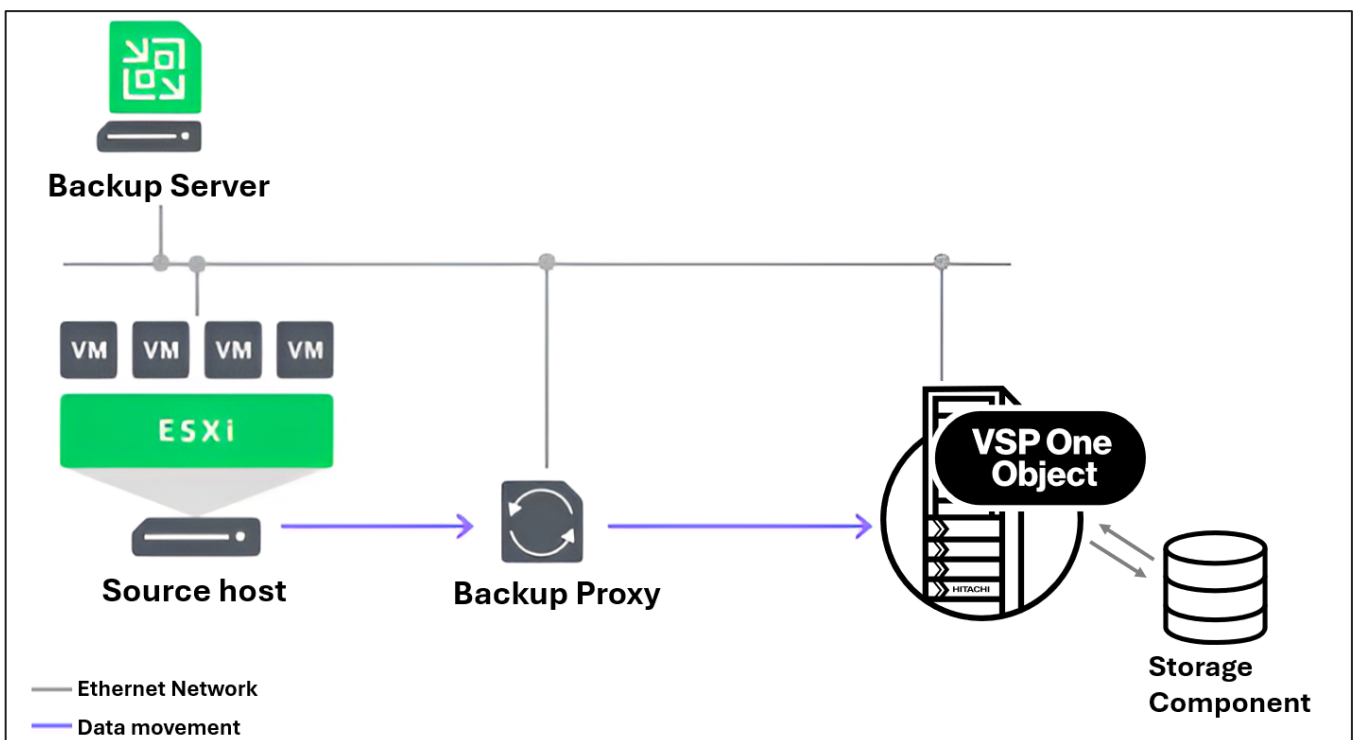


Configure Veeam Backup® & Replication™ with VSP One Object

Veeam Backup® & Replication™ integrates with Hitachi Virtual Storage Platform One Object (VSP One Object) to provide reliable, efficient data protection. The integration supports virtual, physical, and cloud environments while optimizing storage utilization, through image-level backups, unstructured data support (NFS, SMB, and S3), and advanced data reduction techniques. These capabilities help reduce costs, improve performance, and ensure fast, reliable recovery across diverse workloads.

Get started with these simple steps to configure and protect your data environment.



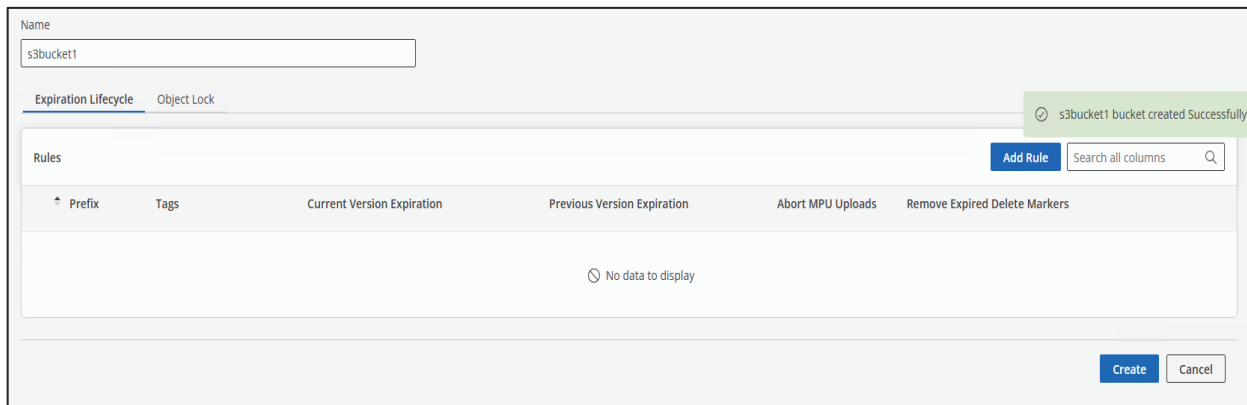
Step 1: Complete the prerequisites

1. Verify that VSP One Object is installed and configured.
2. Configure Veeam Backup & Replication.
 - a. Install the latest version of the Veeam Backup & Replication installation image from the [Download Veeam Products](#) page on a physical or a virtual server.
 - b. Deploy a Veeam backup proxy. Confirm that the Veeam Backup & Replication server is connected to the proxy and the source clients to be backed up.

Step 2: Prepare VSP One Object for immutable bucket

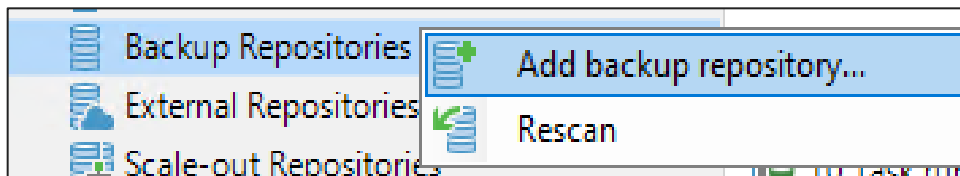
1. Log in to VSP One Object GUI using the credentials of a user with S3 bucket management permission and select **Storage Manager > S3 > Buckets**.
2. (Optional) If credentials have not been generated for the logged in user, click **Generate credentials** to create the Access Key and Secret Key for S3 connectivity. Click **Yes**, copy and save the values, then click **Done**.

3. Click **Create Bucket**, enter the bucket name, and enable **Object Lock** to enable immutability. Bucket names can include only lowercase letters, numbers, periods, and hyphens.
4. Click **Save**, then click **Create**.

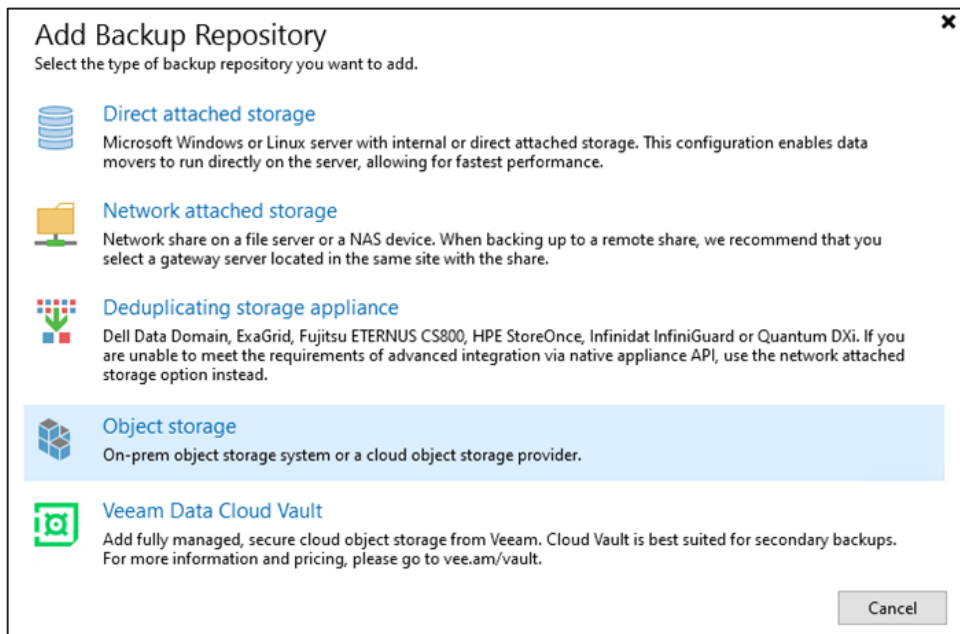


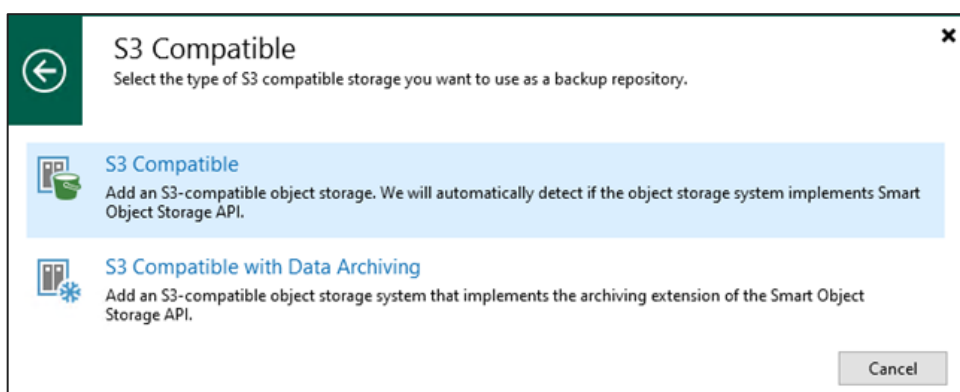
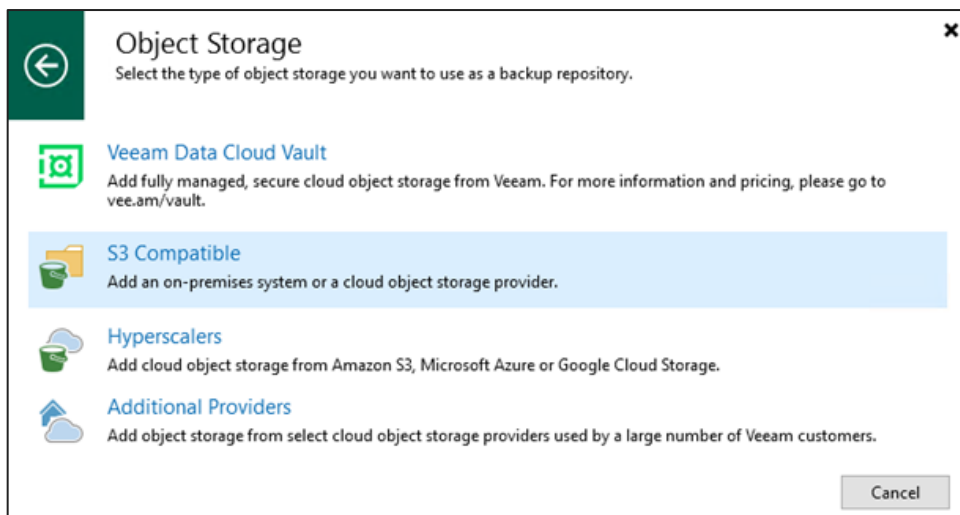
Step 3: Configure backup target

1. In Veeam Backup & Replication, navigate to **Backup infrastructure > Backup Repositories**, right-click, and select **Add backup repository**.

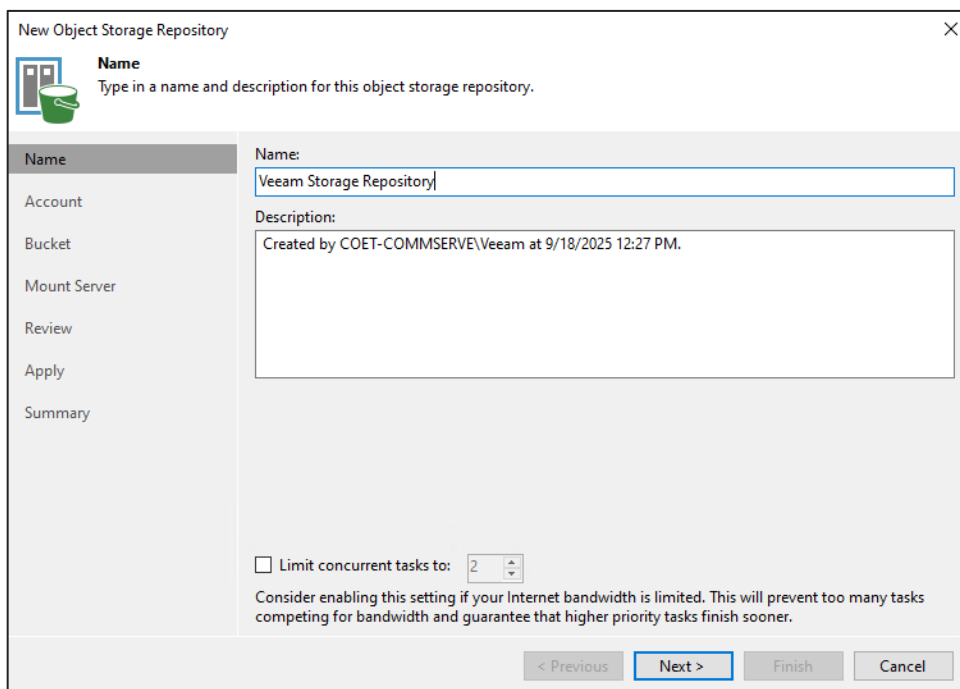


2. In the Add Backup Repository wizard, navigate to **Object Storage**, select **S3 Compatible** as the storage type, and then select **S3 Compatible** again.

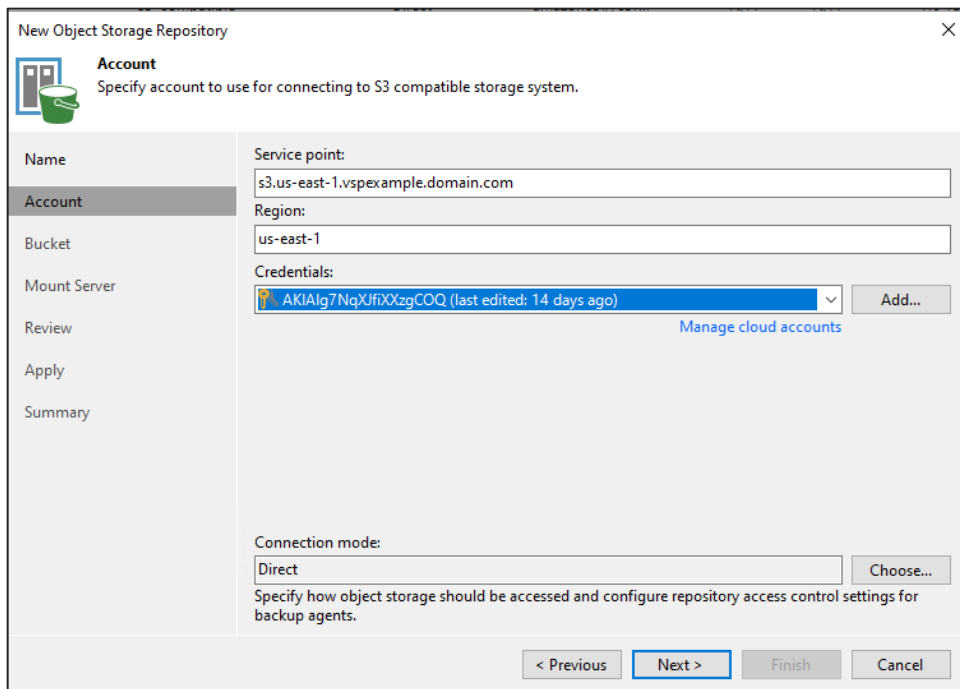




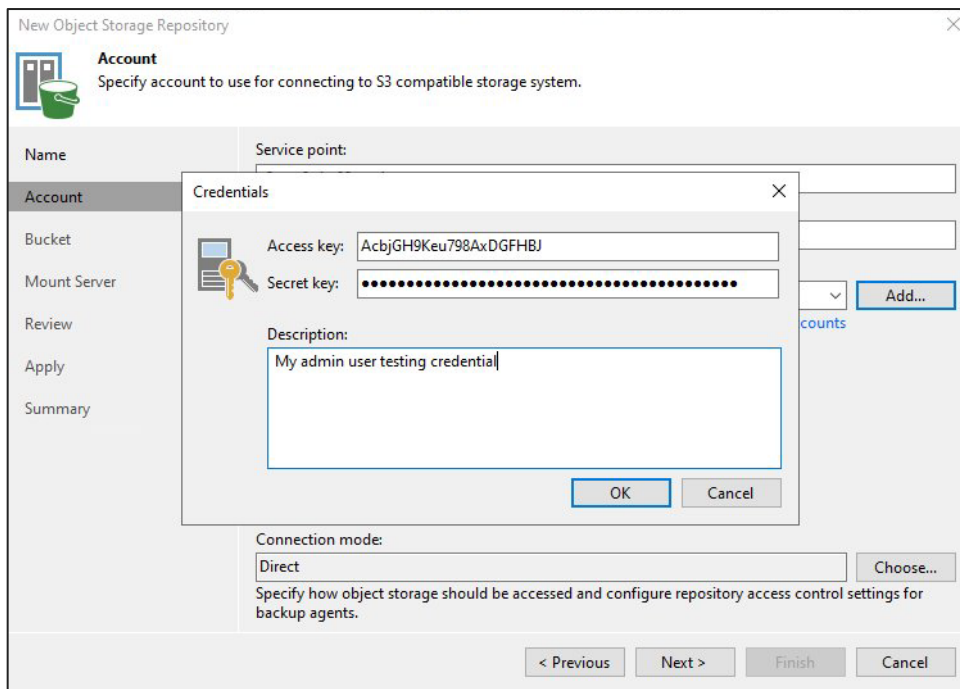
3. Enter a name for the repository.



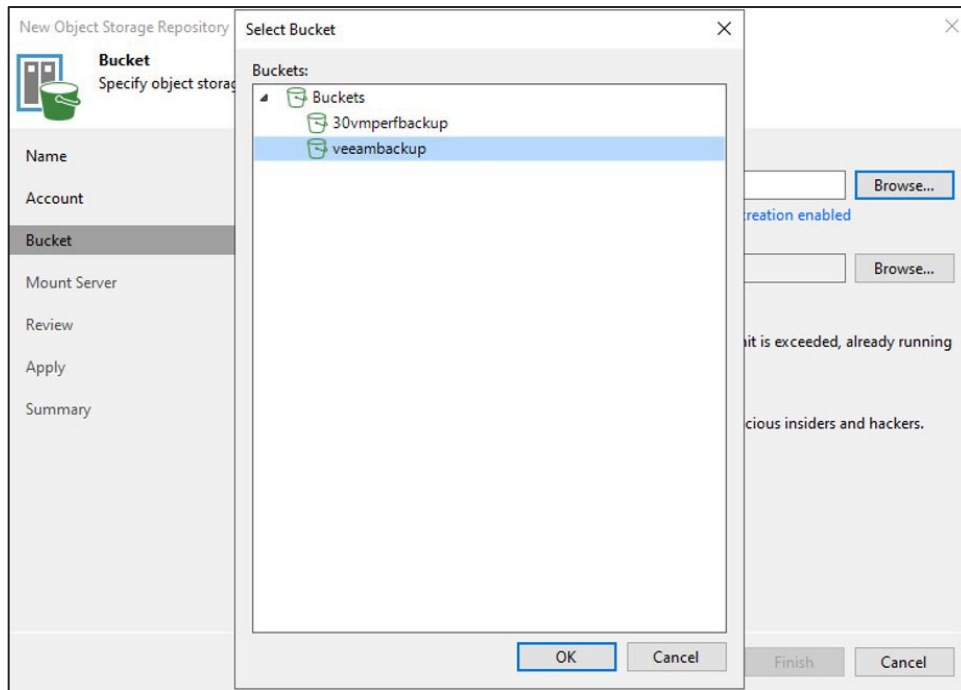
- Specify the S3 service endpoint for VSP One Object. For example, s3.us-east-1.vspexample.domain.com.



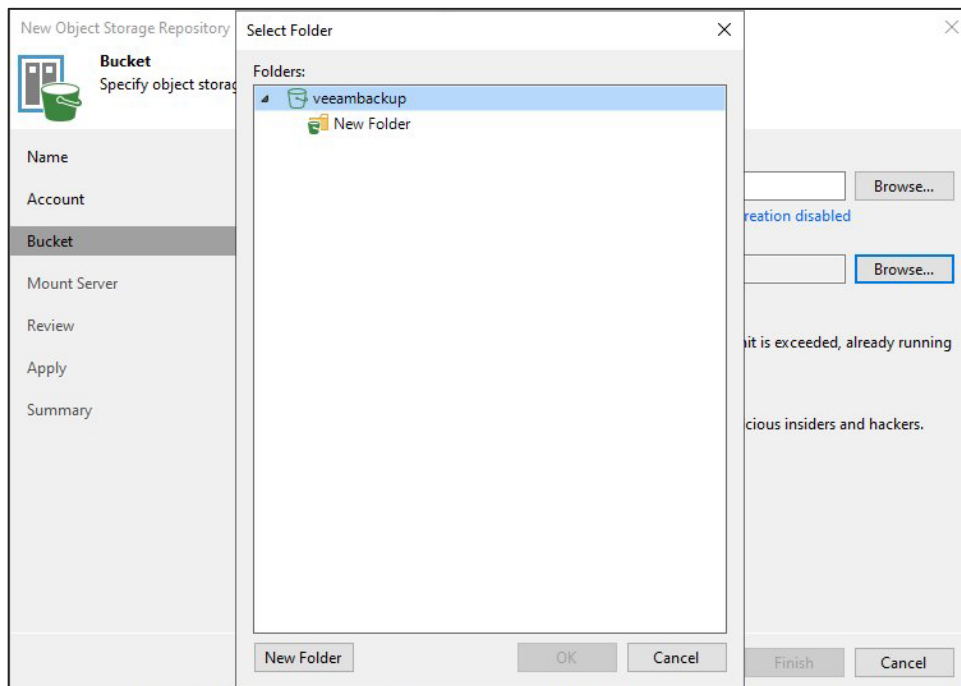
- In the Region field, enter the region, click **Add**, and enter the Access Key and Secret Key generated in VSP One Object. Click **OK** and then click **Next**.



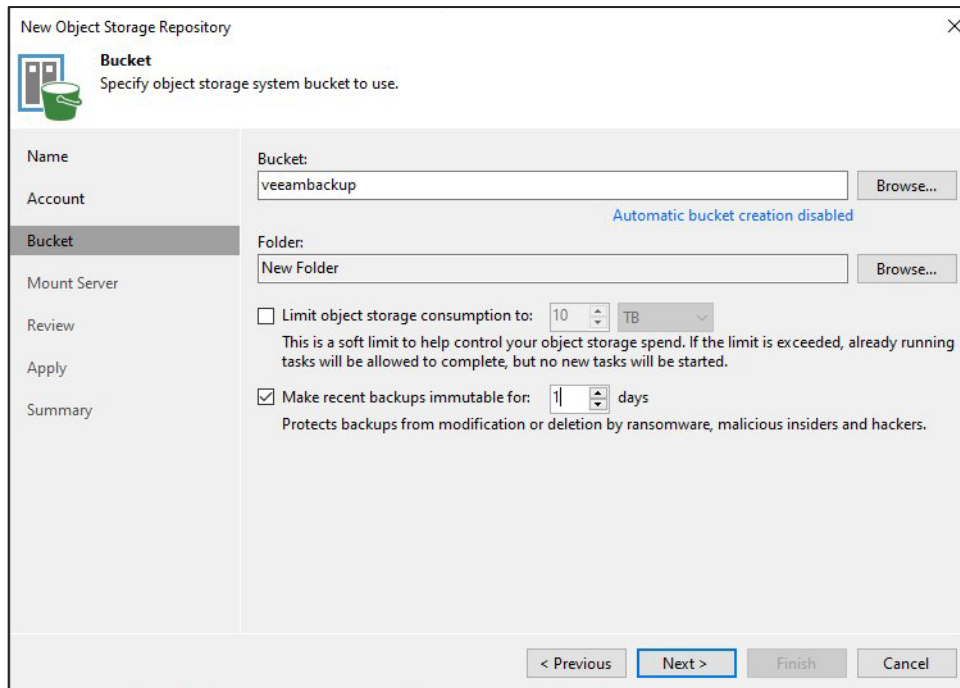
- Browse and select the pre-created VSP One Object bucket from the list, then click **OK**.



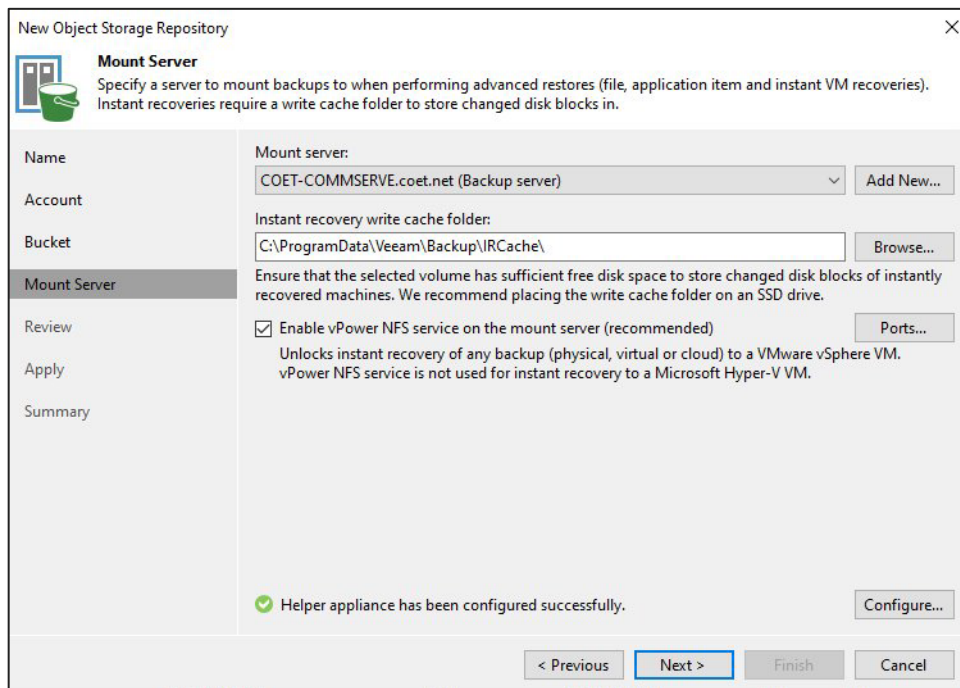
7. Browse to an existing folder or create a new one.

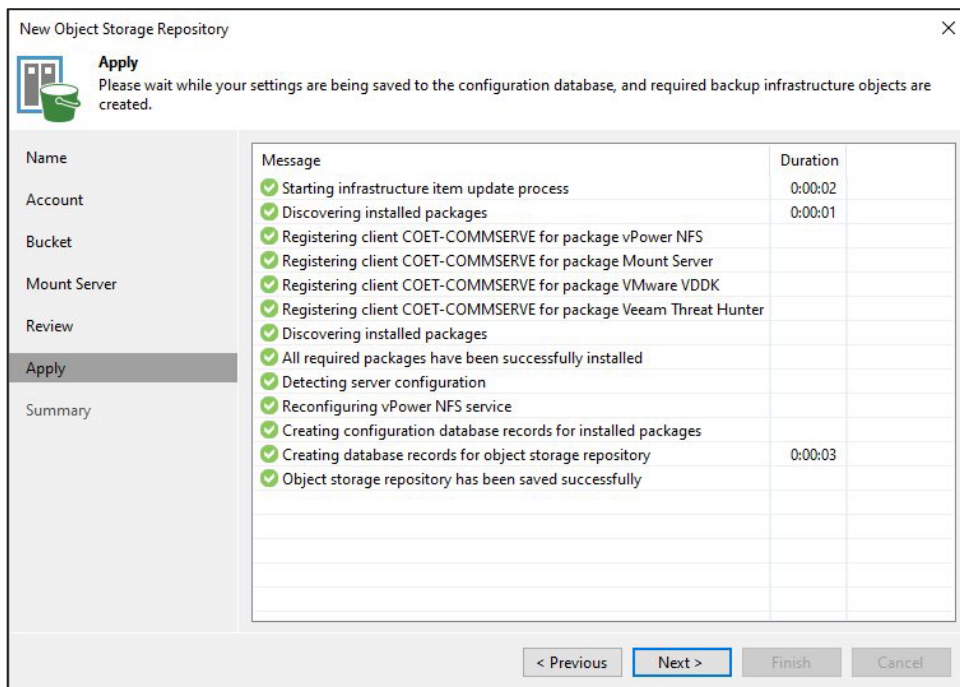
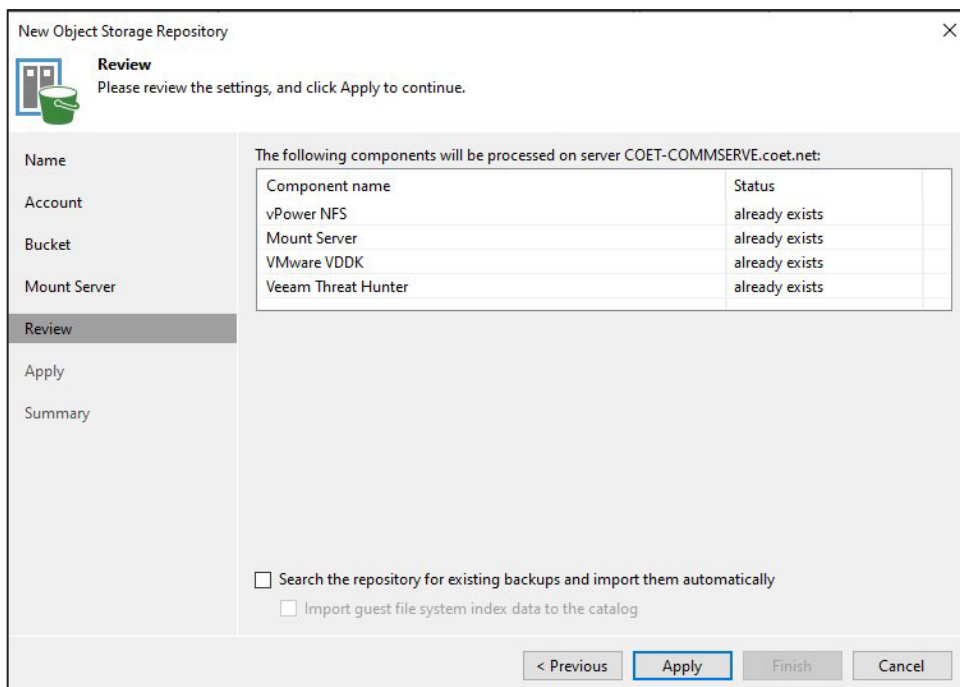


8. Optionally, set a soft limit for your object storage consumption that can be exceeded temporarily. Select the **Limit object storage consumption** to check box and provide the value in TB or PB, then click **Next**.

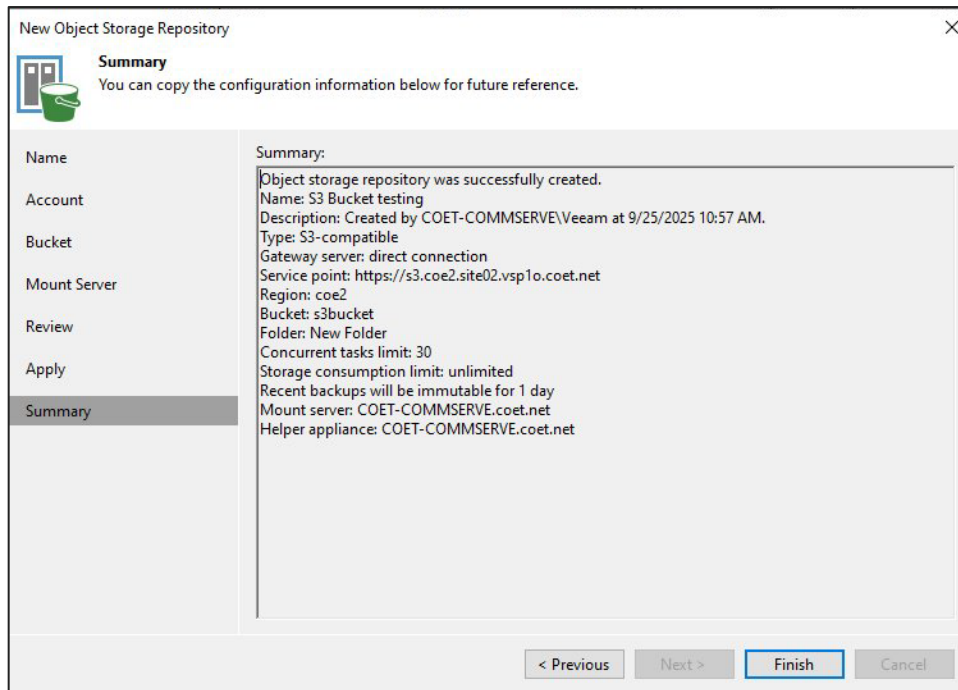


9. Keep the remaining wizard settings at their default values to finish the setup.





10. Review the summary of the settings and click **Finish**.



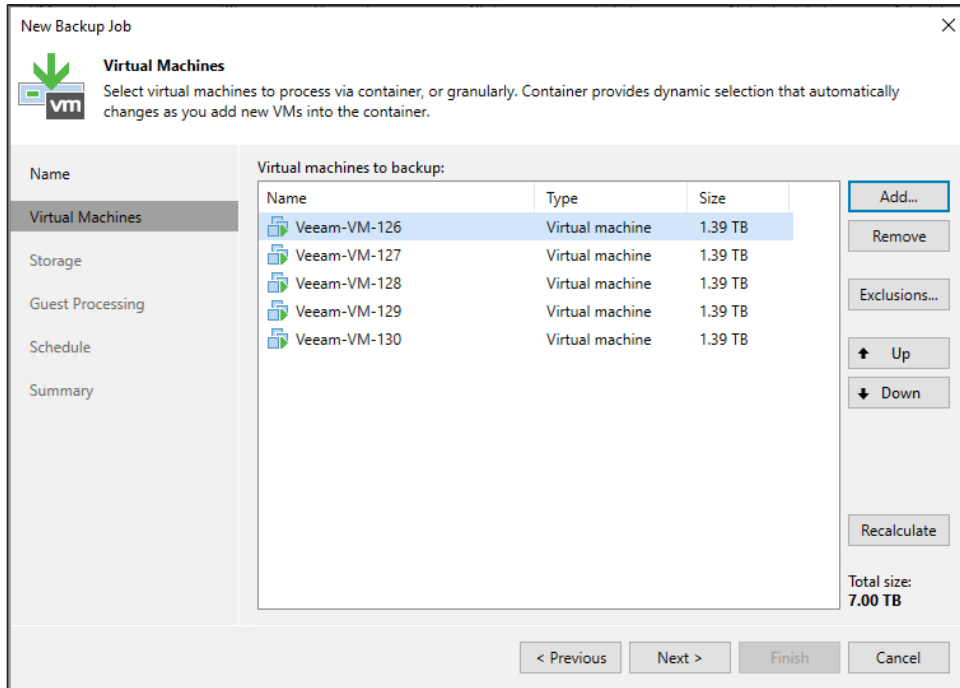
11. Verify that the new object storage repository appears under Backup Repositories.

Step 4: Initiate Backup

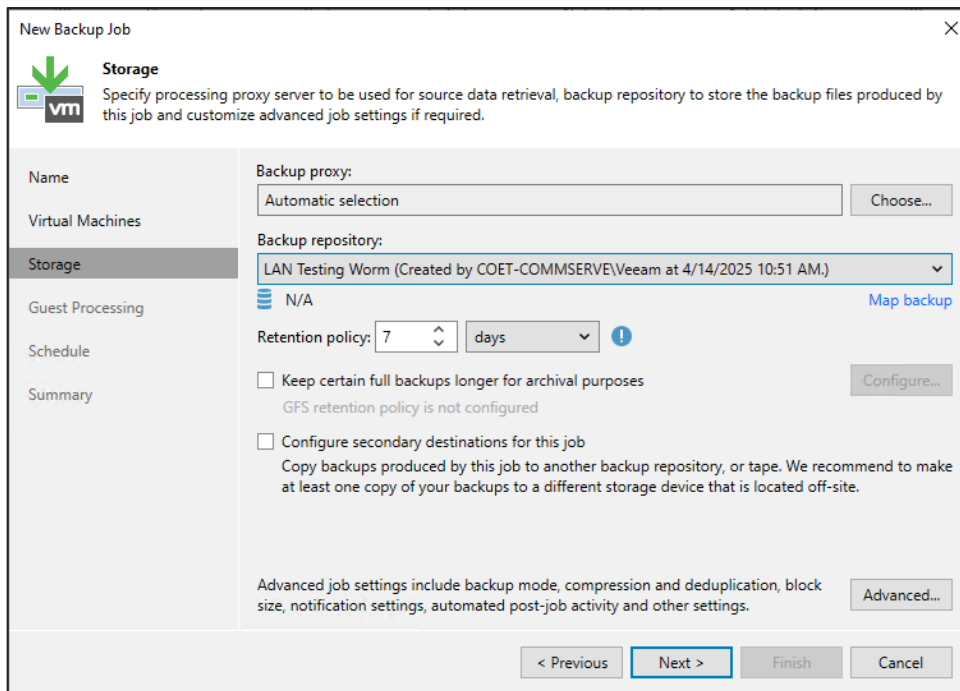
1. Create a new backup job and select the source data. For example, a virtual machine. In the Veeam Backup & Replication console, navigate to **Home > Jobs**, right-click **Backup Job**, and select **Virtual machine**.



2. Assign a name to the backup job, click **Next**, then click **Add** and select the source data or virtual machine to be included in the backup.



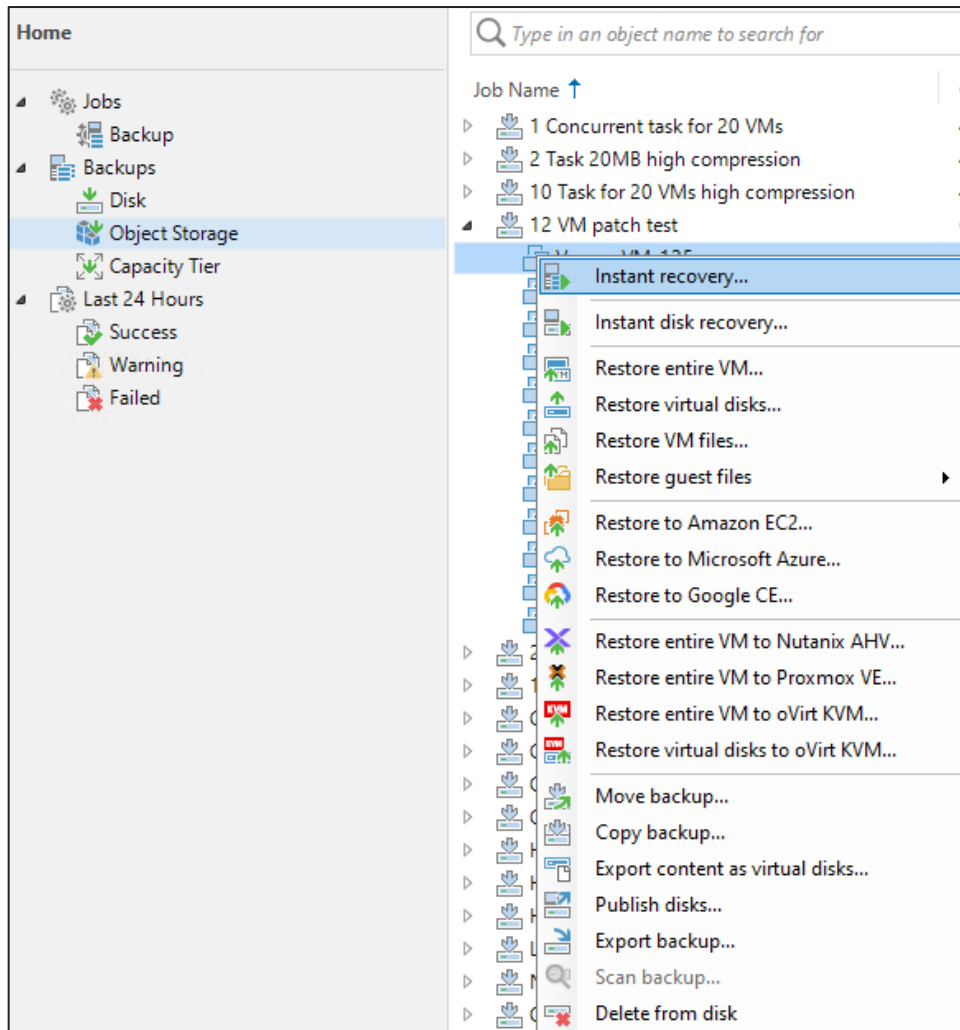
3. Select the backup repository, which is the S3-compatible repository integrated with the VSP One Object bucket, and click **Next**.



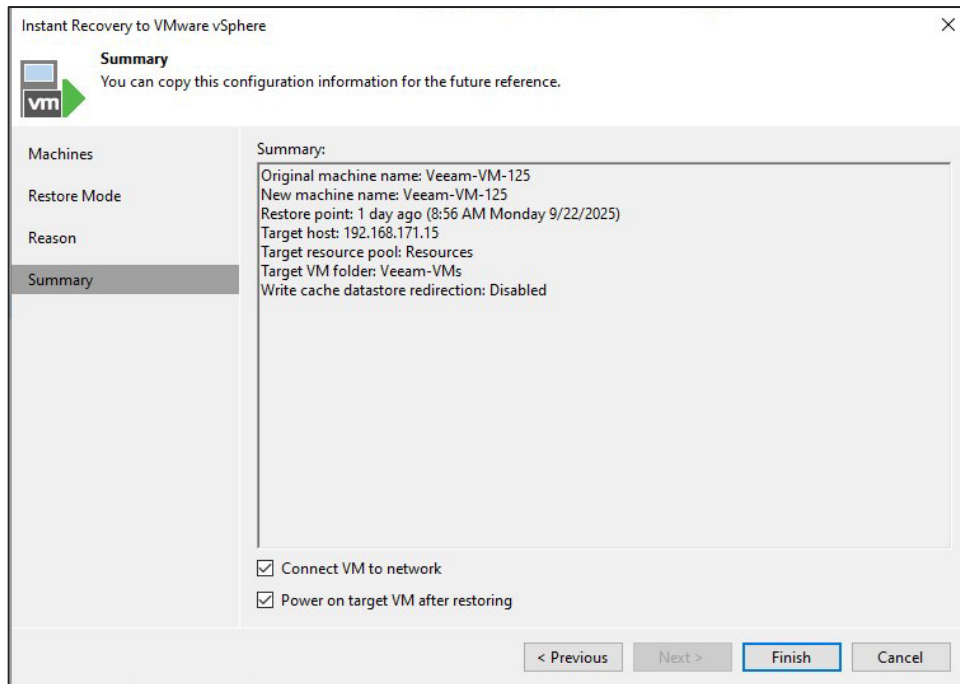
4. Complete the remaining wizard steps with the required job settings, and click **Finish** to run the job.

Step 5: Initiate Restore

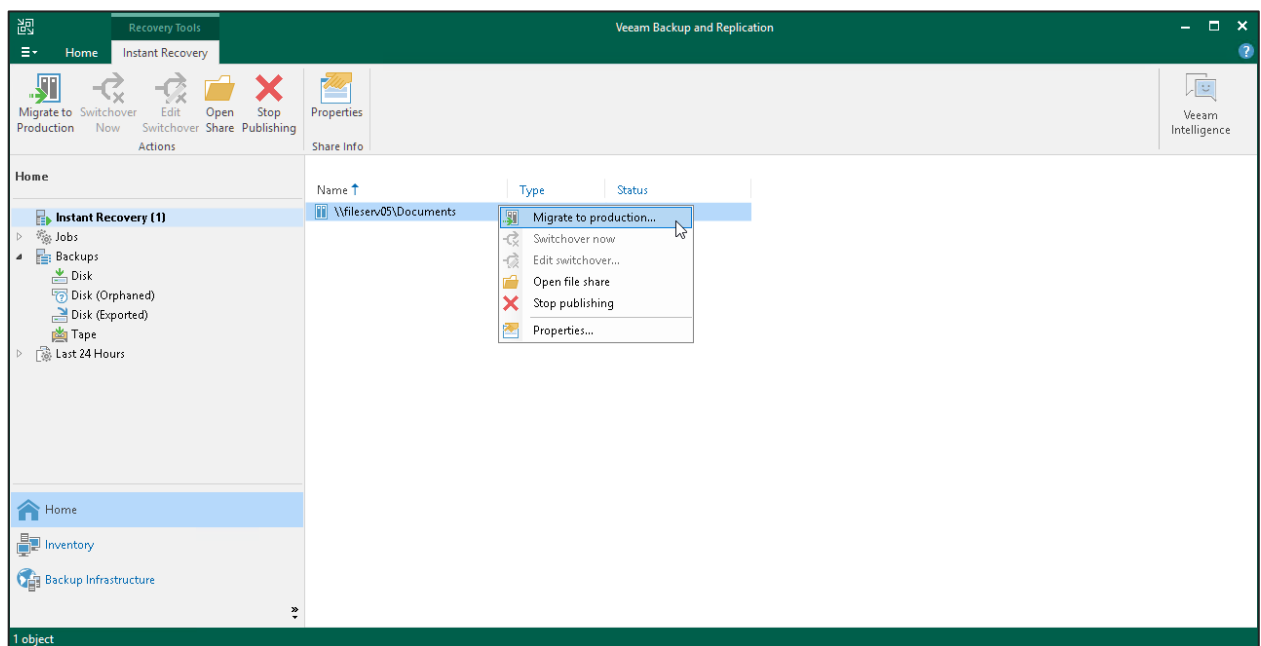
1. In Veeam Backup & Replication, navigate to **Backups > Object storage**, locate your backup job, and click the down arrow to expand the list of VMs.



2. Right-click the VM to restore and select **Instant recovery**.
3. In the Instant recovery wizard, select **Restore to the original location** – this option skips the placement configuration step and takes you directly to the Reason step. Provide a reason if required, review the summary, and click **Finish** to start the restore.




4. Monitor the restore job. An Instant Recovery option appears in the Home panel.
5. Right-click **Instant Recovery** and select **Migrate to production**. This opens the Migrate to Production wizard.



6. Specify the location where you want to migrate the file share to and click **Next**.

Migrate to Production ✕

 **Destination**
Specify target SMB server options.

Destination
Restore Options
Switchover
Summary

Restore files and folders to:

Original location

This server:

\\fileserv05\Documents Add...

Path to folder:


\\fileserv05\Documents Browse...

39.9 GB free of 40 GB

< Previous Next > Finish Cancel

7. Select how you want to manage files in the destination location and click **Next**.

Migrate to Production ✕

 **Restore Options**
Specify additional restore options.

Destination
Restore Options
Switchover
Summary

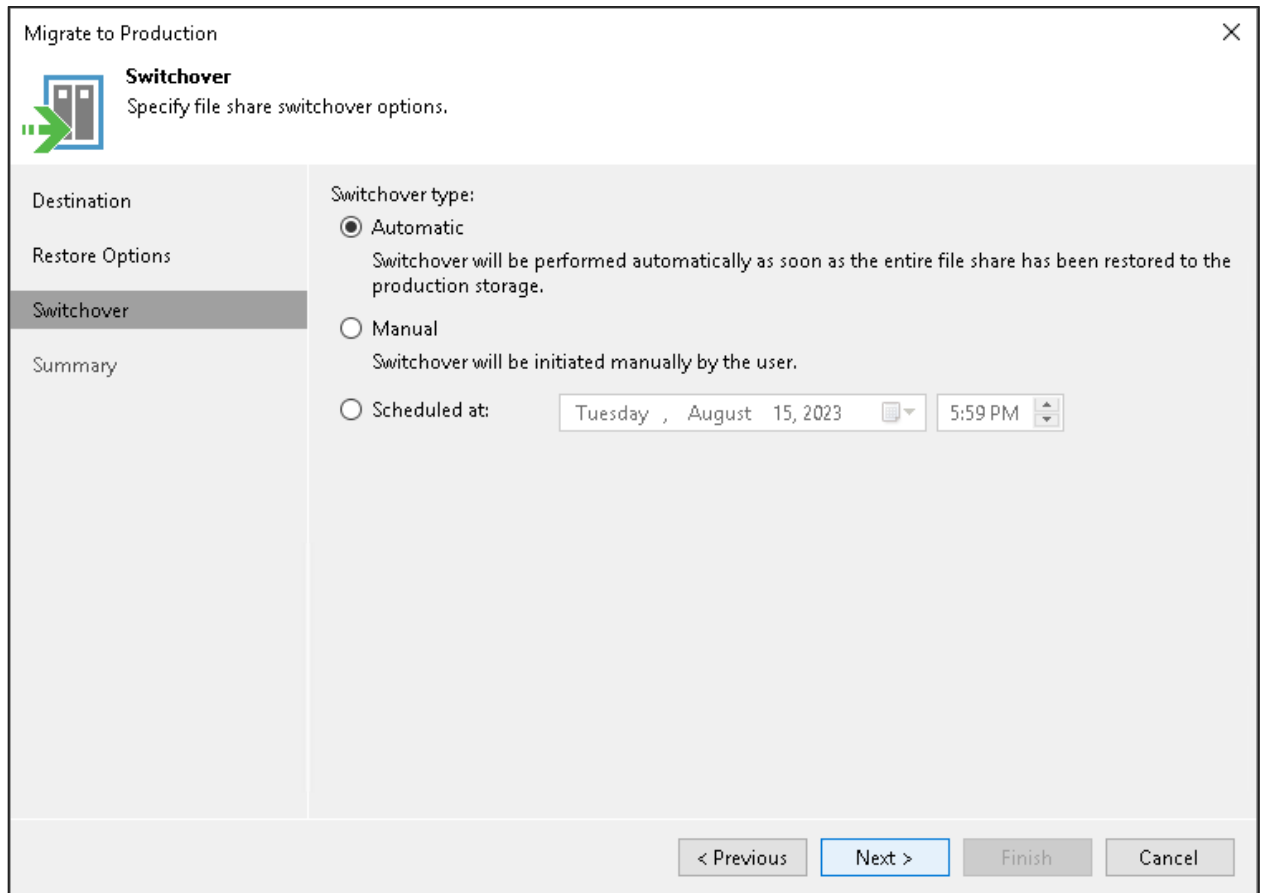
If a restored file already exists in the destination

Replace older files only

Restore anyway (overwrites the existing file)

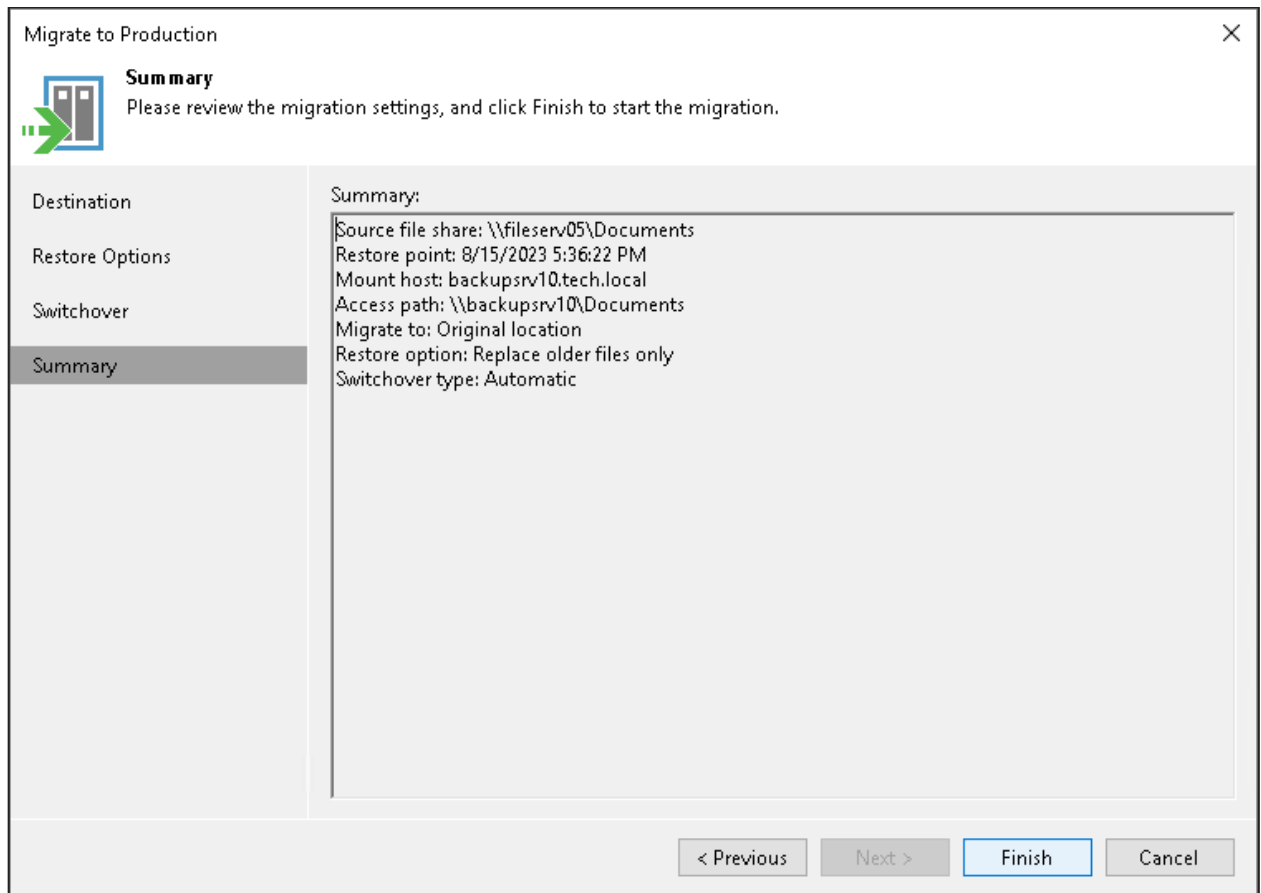
< Previous Next > Finish Cancel

8. Select a file share switchover option and click **Next**.



The screenshot shows a dialog box titled "Migrate to Production" with a close button (X) in the top right corner. The main heading is "Switchover" with a sub-heading "Specify file share switchover options." and an icon of a server rack with a green arrow pointing right. On the left, there is a vertical navigation pane with four items: "Destination", "Restore Options", "Switchover" (which is highlighted), and "Summary". The main content area is divided into two sections. The top section is "Switchover type:" with three radio button options: "Automatic" (selected), "Manual", and "Scheduled at:". Below "Automatic" is the text "Switchover will be performed automatically as soon as the entire file share has been restored to the production storage." Below "Manual" is the text "Switchover will be initiated manually by the user." Below "Scheduled at:" is a date and time picker showing "Tuesday , August 15, 2023" and "5:59 PM". At the bottom of the dialog, there are four buttons: "< Previous", "Next >" (highlighted in blue), "Finish", and "Cancel".

9. Review the summary of the settings and click **Finish**.



10. Verify that the VM is available on the target host after the restore completes.

Summary

Integrating Veeam Backup & Replication with VSP One Object enables efficient VM restore using Instant Recovery, with immutability support through Object Lock to ensure data integrity and availability.

References

- [Installing Veeam Backup & Replication](#)
- [Source clients](#)
- [Veeam Backup & Replication User Guide](#)
- [Virtual Storage Platform One Object Product Documentation](#)