

# Image Sharing Support for NetBackup Media Server and Non-All-in-One Primary Technical Brief

Veritas NetBackup

*This paper is designed to highlight the ability to connect a new NetBackup Image Sharing Media Server to an existing Primary, negating the need for an all-in-one Primary.*

*For more information on Veritas products and solutions, visit [www.veritas.com](http://www.veritas.com)*

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Revision History

Version	Date	Changes	Author
1.00	07/11/2024	Initial Version	Neil Glick

## Introduction

### Executive Summary

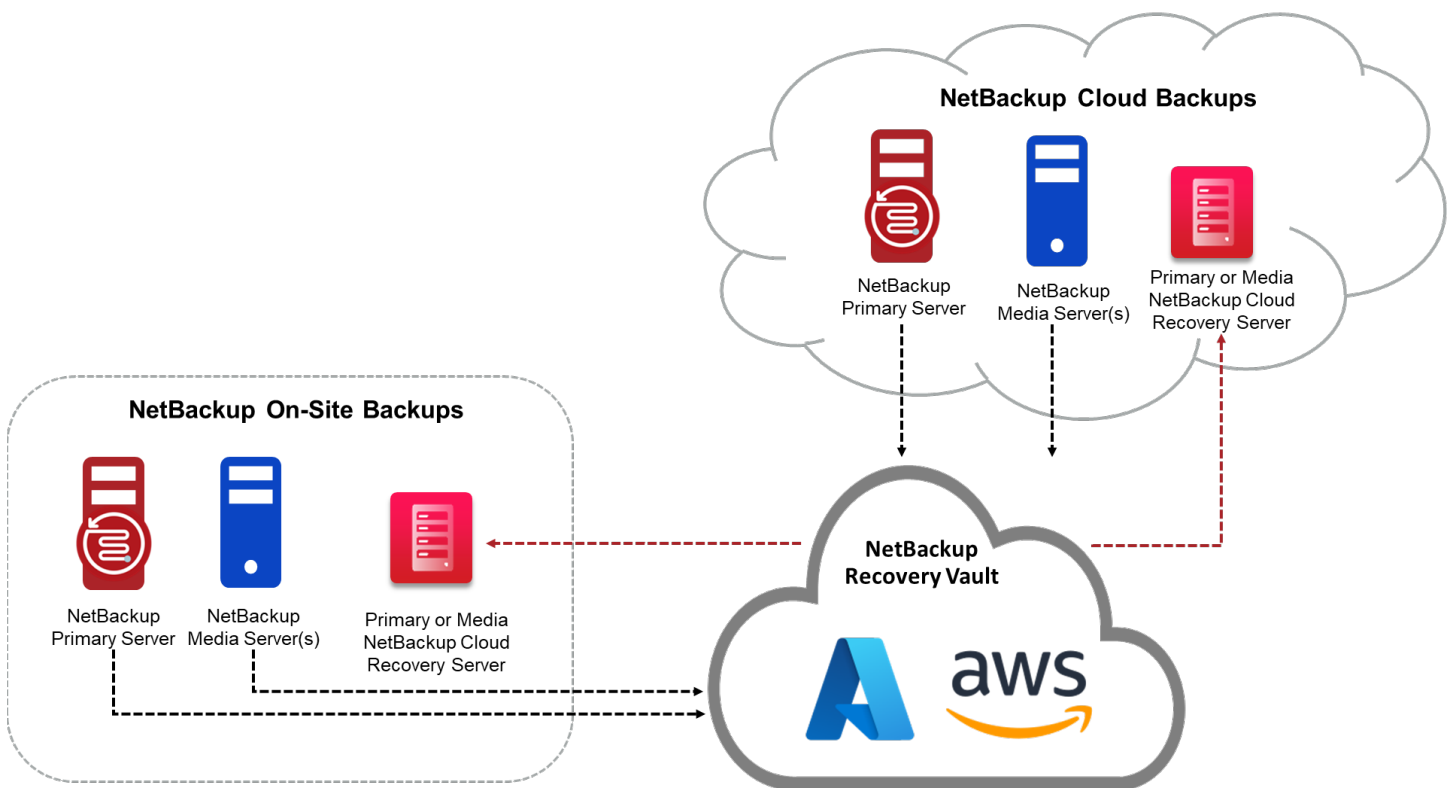
Veritas makes it easier than ever to recover cloud backup images with Image Sharing. Unlike in previous versions of NetBackup (pre-10.4.1), a NetBackup Image Sharing Media Server can now be connected to an existing NetBackup Primary domain.

### Target Audience

This document is for customers who use Veritas NetBackup cloud storage, Alta Recovery Vault or are curious how NetBackup can protect your critical data with cloud immutable copies.

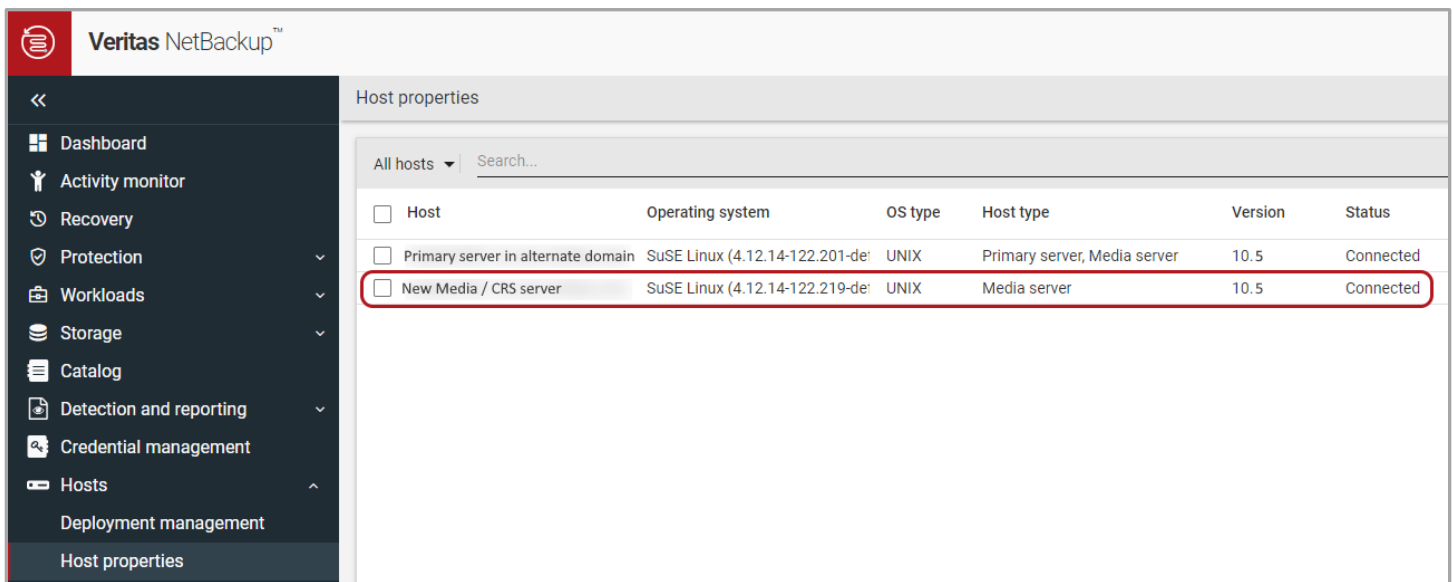
### Use Case

Pre NetBackup 10.4.1 Image Sharing is only supported as an all-in-one Primary server. While this works fine, Veritas has added the capability to attach an Image Sharing Media Server to an existing NetBackup Primary domain. This helps negate the extra work of creating a new Primary domain and can utilize existing resources at alternate sites. This allows for many different configurations where customers could add a new image sharing server to their backup domain or create a new image sharing server domain where they have multiple image sharing servers configured. This newly added support is specific to Bring-Your-Own (BYO) environments as image sharing is not supported in distributed environments such as CloudScale, and the existing image sharing functionality will also work on a separate media server.



## How to Use

1. An image sharing Cloud Recovery Server Media Server can be deployed in two ways.
  - a. All in One which is covered in the [In-Cloud Data Recovery with Veritas Alta™ Recovery Vault guide](#).
  - b. Separate Media / Cloud Recovery Server (CRS) which is covered in this technical brief.
2. For Separate Media / CRS download the necessary NetBackup binaries for your new server and install the new Media / CRS server. Binaries can be found [here](#).
3. When installing the new Media / CRS server, connect to an existing NetBackup domain as normally done during a Media server installation.
4. After adding the Media / CRS server, check the Host > Host Properties tab in the Primary WebUI. The new Media / CRS server is not available to perform image sharing.



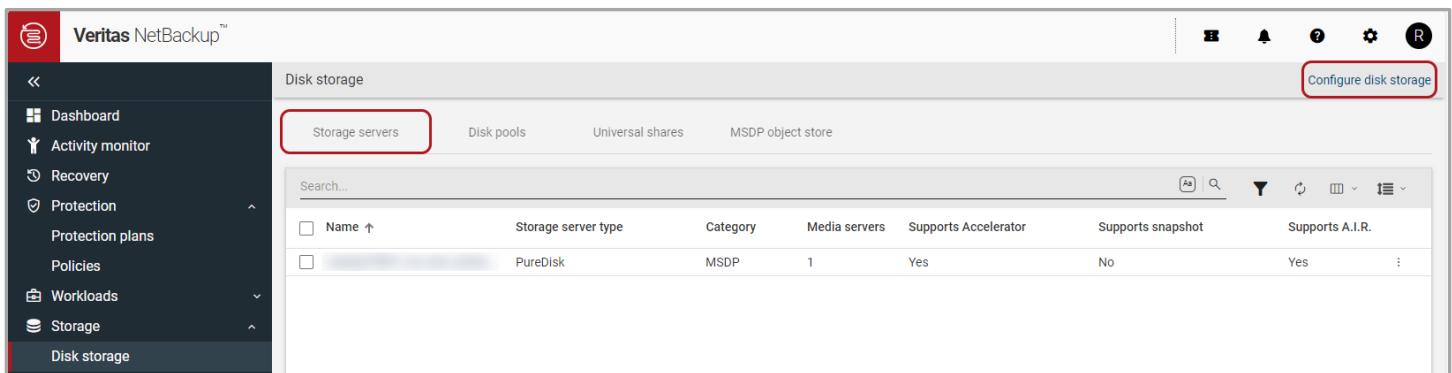
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Host properties

All hosts ▾ Search...

<input type="checkbox"/> Host	Operating system	OS type	Host type	Version	Status
<input type="checkbox"/> Primary server in alternate domain	SuSE Linux (4.12.14-122.201-de	UNIX	Primary server, Media server	10.5	Connected
<input type="checkbox"/> New Media / CRS server	SuSE Linux (4.12.14-122.219-de	UNIX	Media server	10.5	Connected

5. Navigate to Storage > Disk Storage. Ensure the Storage Servers tab is selected and click on Configure Disk Storage.



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Disk storage

Storage servers Disk pools Universal shares MSDP object store

Search...

<input type="checkbox"/> Name ↑	Storage server type	Category	Media servers	Supports Accelerator	Supports snapshot	Supports A.I.R.
<input type="checkbox"/>	PureDisk	MSDP	1	Yes	No	Yes

Configure disk storage

6. Select Media Server Deduplication Pool (MSDP) for image sharing and select Start.

The screenshot shows a window titled "Add storage" with a close button (X) in the top right corner. Below the title bar, the text "Select the type of storage that you want to configure" is displayed. Under this, there is a "Storage type \*" dropdown menu currently showing "Disk storage servers". Below that is a "Category \*" section with five radio button options:

- ☐ Media Server Deduplication Pool to local or cloud storage (MSDP, MSDP Cloud, MVG)  
Deduplicate backups to cloud, network, or locally attached storage server
- ☒ Media Server Deduplication Pool (MSDP) for image sharing  
Recover existing images from the cloud
- ☐ AdvancedDisk  
Backup to local media server storage, no deduplication
- ☐ OpenStorage Technology (OST)  
Backup to network attached storage devices using OST plugin
- ☐ Cloud Connector  
Backup to cloud object storage, no deduplication

At the bottom right of the dialog, there are two buttons: "Cancel" and "Start".

7. Next select the Media / CRS server for both the Media and Storage servers. Enter in the credentials of the user that runs the NetBackup processes on the Primary server.

Add MSDP storage server for image sharing

1 Basic properties
2 Storage server options
3 Media servers
4 Review

Media server \*  
New Media / CRS server

Storage server name  
New Media / CRS server

Storage server credentials

Username \*  
root

Password \*  
.....

Re-enter password \*  
.....

- Enter in the storage path the Media / CRS server will use. Other options can be used but have been left default.

Add MSDP storage server for image sharing

1 Basic properties
2 Storage server options
3 Media servers
4 Review

These attributes cannot be modified once the storage server is created.  
Storage path \*  
/backup\_new
Browse

Use alternate path for deduplication database  
Enter alternate path for deduplication database
Browse

You can optimize performance if you place the deduplication database on a separate, faster disk storage system.  
Use specific network interface  
Enter interface

Key Management Service (KMS) is not available. To enable KMS refer to the [NetBackup Security and Encryption Guide](#).
Retry

Encryption for local storage  
☒ Enable encryption  
☐ Use KMS

- Review and create the new MSDP server for image sharing.

Disk storage							Configure disk storage
Storage servers							
Disk pools							
Universal shares							
MSDP object store							
Search...							<input type="text"/> <input type="button" value="Q"/> <input type="button" value="Filter"/> <input type="button" value="Refresh"/> <input type="button" value="Grid"/> <input type="button" value="List"/>
<input type="checkbox"/> Name ↑	Storage server type	Category	Media servers	Supports Accelerator	Supports snapshot	Supports	
<input type="checkbox"/> Primary Server in Another Domain	PureDisk	MSDP	1	Yes	No	Yes	:
<input type="checkbox"/> New Media / CRS server	PureDisk	MSDP for image sharing	1	Yes	No	Yes	:

10. Use the [In-Cloud Data Recovery with Veritas Alta™ Recovery Vault guide](#) to import your cloud backups.

## Conclusion

Veritas NetBackup is not just your trusted on-site backup suite; it's also your one stop shop to backup to your cloud resources with simple tools that accomplish difficult tasks. NetBackup enterprise tools make backing up your data easier and more secure than ever.

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### About Veritas

Veritas Technologies is a leader in multi-cloud data management. Over 80,000 customers—including 95 percent of the Fortune 100—rely on Veritas to help ensure the protection, recoverability, and compliance of their data. Veritas has a reputation for reliability at scale, which delivers the resilience its customers need against the disruptions threatened by cyberattacks, like ransomware. No other vendor is able to match the ability of Veritas to execute, with support for 800+ data sources, 100+ operating systems, 1,400+ storage targets, and 60+ clouds through a single, unified approach. Powered by Cloud Scale Technology, Veritas is delivering today on its strategy for Autonomous Data Management that reduces operational overhead while delivering greater value. Learn more at [veritas.com](https://veritas.com). Follow us on Twitter at @veritastechllc.

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