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Veritas NetBackup on AWS PrivateLink for Amazon S3 Deployment Guide

Securing NetBackup Data Between on Premises and AWS S3

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Revision History

Version	Date	Changes	Author
1.00	12/2/2021	Initial Version	Neil Glick
1.01	11/25/2024	Included Veritas Alta Recovery Vault Support for AWS PrivateLink	Sakshi Nasha

Introduction

AWS PrivateLink provides private network connectivity between Amazon Simple Storage Service (S3) and on-premises resources which use private IP addressing from your virtual network. This eliminates the need to deploy proxy servers which typically constrain performance, add single points of failure, and increase operational complexity. With AWS PrivateLink you can now access S3 directly as a private endpoint using your secure, virtual network which leverages a new interface endpoint within your Virtual Private Cloud (VPC). This new feature extends functionality for existing gateway endpoints by enabling users to access S3 using private IP addresses. NetBackup API and secure HTTP requests to S3 can now be automatically directed through interface endpoints that connect to S3 securely and privately via PrivateLink.



Why Would I Want It?

Interface endpoints simplify the NetBackup network architecture when connecting to S3 by eliminating the need to deploy an internet gateway or configure firewall rules. Additional visibility with your network traffic can now be realized with the ability to capture and monitor flow logs within your VPC. Finally, you can take additional security measures with your interface endpoints by creating security groups and enabling access control policies.

How it Works – The Short Version

The AWS Shared Responsibility Model defines the distribution of security responsibilities between AWS and its customers. One of the biggest concerns that influence cloud adoption is security. In the context of data protection to the cloud the transport remains an area of concern for many organizations that are subject to data regulatory and/or compliance requirements. NetBackup users can now safely transfer data to and from the AWS cloud without the risk of

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exposing sensitive data to visibility, tampering or theft. Veritas has thoroughly tested NetBackup with AWS PrivateLink to send backup data as well as recover to and from AWS S3. We are also proud to announce that NetBackup provides dayzero support for AWS PrivateLink.

The Architecture

The high-level diagram illustrated below shows an example environment with NetBackup and AWS PrivateLink S3. The below architecture uses the AWS VPN approach. The following steps will need to be completed to perform backups to S3 using the AWS PrivateLink:

In AWS:

- Create a Virtual Private Cloud (VPC) if one doesn't exist.
- Configure the VPC IP range, specific to the private network being deployed.
- Add an S3 Interface endpoint to the VPC. This is the actual PrivateLink.
- Create a Virtual Private Gateway (VPG) and attach it to the VPC.
- Create a Site-to-Site VPN, used to connect from on-premises to AWS.
- Add the subnet for the on-premises server to the VPN and VPC subnet routing tables.
- Create an AWS Customer Gateway (CGW).
- Download the CGW configuration file for the router model being used and configure the VPN.
- Configure the Customer Gateway with the IP from the VPN configuration.
- Add the on-premises IP CIDR to the VPN routing table.

In NetBackup:

- 1. Create or use an existing MSDP Storage Server for the S3 backups.
- 2. Connect to the AWS S3 endpoint from the on-premises server.
- 3. Create a new Disk Pool. (Completed in NetBackup)
- 4. Create a new Volume.
- 5. Connect Amazon S3 for the cloud storage provider.
- 6. Add the PrivateLink Region Name, Location Constraint, Endpoint/Service URL and HTTP/HTTPS ports.
- 7. Supply Access Key ID
- 8. Supply Secret Access Key
- 9. Retrieve List of Cloud Buckets if none exist create one.

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10. Create a Storage Unit and connect to the new MSDP storage.

In NetBackup for Alta Recovery Vault:

- Create or use and existing MSDP Storage Server. For more information on how to add a storage server, see the NetBackup Deduplication Guide: https://www.veritas.com/content/support/en_US/doc/25074086-159245004-0/v24332600-159245004
- 2. Create a new Disk Pool.
- 3. Create a new Volume. Search for "Veritas Alta Recovery Vault Amazon" and the following Cloud storage providers appear. For this example, you will choose Veritas Alta Recovery Vault Amazon.
- 4. Before adding the PrivateLink Region you can check by curling the AWS PrivateLink from the VM to check if network connections are well established:

curl -v https://bucket.vpce-<endpoint-id>.s3.<region>.vpce.amazonaws.com

5. Add the PrivateLink Region Name, Location Constraint, Endpoint/Service URL and HTTP/HTTPS ports.



- 6. Add the credentials of the Alta Recovery Vault AWS Bucket
- 7. Retrieve List of Cloud Buckets if none exist create one.
- 8. Create a Storage Unit and connect to the new MSDP storage.
- **9.** For more information on Alta Recovery Vault: https://www.veritas.com/content/support/en_US/doc/VeritasAltaRecoveryVaultGuide

On Premises VPN:

• Submit CGW configuration file to on-prem networking team to configure VPN.



How it Works – The Long Version

Your AWS PrivateLink will be unique to your environment, but the following architecture can be used to set up an environment similar to the diagram shown above. For more in depth understanding of AWS PrivateLink technology and how to customize it for your environment, visit:

https://docs.aws.amazon.com/vpc/latest/privatelink/vpce-interface.html

Create the AWS PrivateLink Architecture Components

From within AWS select the region the new VPC will be created in. In this example US East 2 or Ohio is used.

AWS Management Console								
AWS services								
 ▼ Recently visited services 			 Certificate Manager 					
All services								

1. In the AWS Management Console click on VPC.



2. Next, select Create VPC from the upper right corner.

Create VPC Info	
VPC is an isolated portion of the AWS cloud populated by AWS objects, such as Amazon EC	C2 instances.
VPC settings	
Name tag - optional Creates a tag with a key of 'Name' and a value that you specify. AWS_PrivateLink_VPC]
IPv4 CIDR block into IPv4 CIDR manual input IPAM-allocated IPv4 CIDR block - new	
IPv4 CIDR	
IPv6 CIDR block Info No IPv6 CIDR block IPAM-allocated IPv6 CIDR block - new Amazon-provided IPv6 CIDR block IPv6 CIDR owned by me Tenancy Info	1
Default 🗸]
Tags A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You your resources or track your AWS costs.	i can use tags to search and filter
Key Value - optional	
Q. Name X Q. AWS_PrivateLink_VPC X Add new tag You can add 49 more tags.	Remove
	Cancel Create VPC

3. Give your VPC a name, and what the network size of the new CIDR block range should be. In the following example IPV4 will be used and not IPV6.

Subnets (1) Info				
Q Filter subnets				
Subnet ID: subnet-01cd5124510	c5cedb6 ×	lear filters		
□ Name マ	Subnet ID	\bigtriangledown	State	\bigtriangledown
AWS_PrivateLink_S2S	subnet-01cd512451	c5cedb6	⊘ Available	
<				

4. Create a subnet within the newly created VPC.

VIRTUAL PRIVATE NETWORK (VPN)	
Customer Gateways	
Virtual Private Gateways	
Site-to-Site VPN Connections	
Client VPN Endpoints	
You do not	have any Virtual Private Gateways in this region
Click the Create Virtual Pri	vate Gateway button to create your first Virtual Private Gateway
	Create Virtual Private Gateway

5. The next step is to create a Virtual Private Gateway.

Create Virtual Private	Gateway							
A virtual private gateway is the router on the Amazon side of the VPN tunnel.								
Name tag	0							
ASN	 Amazon default ASN Custom ASN 							
* Required		Cancel	Create Virtual Private Gateway					

6. Give the VPG a name and click on Create Virtual Private Gateway.

Q Filter by tags and attributes or search by keyword	
Name VID	State
AWS_Private vgw-0e687b714782de653	detached

7. The VPG has been created but will be in a detached state. We need to attach the VPG to the VPC created earlier.



8. Click on the Actions button and select Attach to VPC and select the VPC created earlier.

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Create Virtual Private Gateway Actions *
Q Filter by tags and attributes or search by keyword
Name - ID - State
AWS_Private vgw-0e687b714782de653 attached

9. After attaching the VPG to the VPC the state should change to attached.

Create Customer Gat	eway							
Specify the IP address for your gateway's external interface; the address must be static and may be behind a device performing network address translation (NAT). For dynamic routing, also specify your gateway's Border Gateway Protocol (BGP) Autonomous System Number (ASN); this can be either a public or private ASN (such as those in the 64512-65534 range).								
VPNs can use either Pre-Shared Keys or C create your Customer Gateway. To use Pre-	ertificates for authentication. When using Certificate auth -Shared Keys, only an IP address is required.	entication, an IP address is optional. To use Certificate authentication, specify a Certificate ARN when you						
Name	AWS_PrivateLink_CGW	0						
Routing	DynamicStatic							
IP Address	IP Address Given by IT	0						
Certificate ARN	Select Certificate ARN	C 0						
Device	Optional	0						
* Required		Cancel Create Customer Gateway						

10. Next create a Customer Gateway. Give it a name, select Static Routing and enter in the public IP address given by your IT department.

Routes Subnet associations	Edge associations Route propagation Tag
Routes (2) Q. Filter routes	
Destination	
CIDR Block Given by IT	vgw-0e687b714782de653
10.240.0.0/24	local

11. Add your on-premises IP CIDR block to the VPC route table with the VPG as the target. This CIDR block is usually the subnet that the NetBackup on-premises infrastructure is on.

sg-09	db3a	17f5d2d8d00 - de	efault										
De	tails	Inbound rule	s	Outbound rules Tags									
In	bour	nd rules (1/1)											
	Ç Filt	ter security group ru	les										
		Name	∇	Security group rule \triangledown	IP version	\bigtriangledown	Туре	\bigtriangledown	Protocol	∇	Port range	∇	Source
		-		sgr-07eadea191593d4c5	IPv4		HTTPS		тср		443	CID	R Block Given by IT

12. Next add an inbound HTTPS rule with the CIDR block you used in the previous step to the VPC security group.

Create Endpoint		
A VPC endpoint enables you to securely co There are three types of VPC endpoints – Interface endpoints and Gateway Load Bal Interface endpoints are typically accessed your route table for traffic destined for the	nnect your VPC to another service. nterface endpoints, Gateway Load Balancer endpoints, and gateway endpoints. ncer endpoints are powered by AWS PrivateLink, and use an elastic network interface (ENI) as an entry point for traffic des sing the public or private DNS name associated with the service, while gateway endpoints and Gateway Load Balancer end ervice.	tined to the service. Ipoints serve as a target for a route in
Service category	AWS services Find service by name Your AWS Marketplace services	
Service Name	com.amazonaws.us-east-2.s3 🚯	
	Q search : com.amazonaws.us-east-2.s3 Add filter	
	Service Name Owner Type	
	com.amazonaws.us-east-2.s3 amazon Gateway	
	com.amazonaws.us-east-2.s3 amazon Interface	
VPC* Subnets	vpc-0754e76a68009ec0e C () subnet-01cd512451c5cedb6 ()	
	Availability Zone Subnet ID	1
	us-east-2a (use2-az1) subnet-01cd512451c5cedb6 (AWS PrivateLink S2S)	
	us-east-2b (use2-az2) No subnet available	
	us-east-2c (use2-az3) No subnet available	

- 13. The next step is to create the Endpoint. (Part 1)
 - Service Category AWS Services
 - Service name will depend on the region your PrivateLink is deployed in. In this example we are using com.amazonaws.us-east-2.s3 with type as Interface.

ecurity group	sg-09db3a17f5d2d8d00 Create a new security group		
	Select security groups		
			0
	Q Filter by tags and attributes or search by keyword	< 1 to 1 of 1 >	×
	Group ID - Group Name - VPC ID - Owner ID		
	sg-09db3a17f default vpc-0754e76 EC2-VPC default VPC s 678113565301		
Policy*	 Full Access - Allow access by any user or service within the VPC using credentials from any Amazon Web Services accounts this Amazon Web Services service. All policies – IAM user policies, VPC endpoint policies, and Amazon Web Services service 	to any resources in e-specific policies	Clos
Policy*	 Full Access - Allow access by any user or service within the VPC using credentials from any Amazon Web Services accounts this Amazon Web Services service. All policies – IAM user policies, VPC endpoint policies, and Amazon Web Services service (e.g. Amazon S3 bucket policies, any S3 ACL policies) – must grant the necessary permissions for access to succeed. Custom 	to any resources in ⊱specific policies	Clos
Policy*	 Full Access - Allow access by any user or service within the VPC using credentials from any Amazon Web Services accounts this Amazon Web Services service. All policies – IAM user policies, VPC endpoint policies, and Amazon Web Services service (e.g. Amazon S3 bucket policies, any S3 ACL policies) – must grant the necessary permissions for access to succeed. Custom Use the policy creation tool to generate a policy, then paste the generated policy below. 	to any resources in ⊱specific policies	Close
Policy*	 Full Access - Allow access by any user or service within the VPC using credentials from any Amazon Web Services accounts this Amazon Web Services service. All policies – IAM user policies, VPC endpoint policies, and Amazon Web Services service (e.g. Amazon S3 bucket policies, any S3 ACL policies) – must grant the necessary permissions for access to succeed. Custom Use the policy creation tool to generate a policy, then paste the generated policy below. [*]Statement*:[[*]Statement*:[[*]Statement*:[to any resources in -specific policies	
Policy*	 Full Access - Allow access by any user or service within the VPC using credentials from any Amazon Web Services accounts this Amazon Web Services service. All policies – IAM user policies, VPC endpoint policies, and Amazon Web Services service (e.g. Amazon S3 bucket policies, any S3 ACL policies) – must grant the necessary permissions for access to succeed. Custom Use the policy creation tool to generate a policy, then paste the generated policy below. [*]Statement[*]: [[*]Action[*]: **[*], [*]Effect[*]: "Allow", [*]Allow", [*]Content 	to any resources in ⊱specific policies	Close ①
Policy*	 Full Access - Allow access by any user or service within the VPC using credentials from any Amazon Web Services accounts this Amazon Web Services service. All policies – IAM user policies, VPC endpoint policies, and Amazon Web Services service (e.g. Amazon S3 bucket policies, any S3 ACL policies) – must grant the necessary permissions for access to succeed. Custom Use the policy creation tool to generate a policy, then paste the generated policy below. { *Statement*:[{	to any resources in e-specific policies	
Policy*	 Full Access - Allow access by any user or service within the VPC using credentials from any Amazon Web Services accounts this Amazon Web Services service. All policies – IAM user policies, VPC endpoint policies, and Amazon Web Services service (e.g. Amazon S3 bucket policies, any S3 ACL policies) – must grant the necessary permissions for access to succeed. Custom Use the policy creation tool to generate a policy, then paste the generated policy below. [*]Statement*:[[*]Chion*: ***, [*]Principal*: *** [*]Principal*: *** [*]Principal*: *** [*] [*]	to any resources in e-specific policies	1
Policy*	 Full Access - Allow access by any user or service within the VPC using credentials from any Amazon Web Services accounts this Amazon Web Services service. All policies – IAM user policies, VPC endpoint policies, and Amazon Web Services service (e.g. Amazon S3 bucket policies, any S3 ACL policies) – must grant the necessary permissions for access to succeed. Custom Use the policy creation tool to generate a policy, then paste the generated policy below. [*]Statement[*]:[[*]Action[*]: ***, [*]Effect[*]: Allow[*], [*]Resource[*]: ***, [*]Principal[*]: *** [*]#** [*]#****************************	to any resources in e-specific policies	Close ①

14. Endpoint Part 2.

- Select the Security Group for this VPC.
- o If you would like to add specific access it can be entered here.

Key	(128 characters max	(imum)	Value	(256 characters maximum)		
			This resource currently has	no tags		
Add Ta	ag 50 remaining	(Up to 50 tags maximum)				
					Cancel	Create endpoint

15. Endpoint Part 3.

o Add any necessary Tags and click on Create Endpoint.

En	dpoint: vpce-03	319af04731cc0d68	3					
	Details	Subnets	Security Groups	Policy	Notifications	Tags		
		Endpoint ID	vpce-0319af04731cc0d68	3			VPC ID	vpc-0754e76a68009ec0e AWS_PrivateLink_VPC
		Status	available				Status message	
		Creation time	December 6, 2021 at 2:55	:02 PM UTC-8			Service name	com.amazonaws.us-east-2.s3
		Endpoint type	Interface				DNS names	
								DNS Names Given by AWS
	Private DN	IS names enabled	false					

16. Endpoint Part 4.

 Copy down the DNS Names given by AWS, you will need these to connect from your NetBackup infrastructure.

PN Connection: vpn-014675c526c	189060	000	
Details Tunnel Details Sta	tic Routes Tags		
VPN ID	vpn-014675c526cd89060	State	available
Virtual Private Gateway	vgw-0e687b714782de653 AWS_PrivateLink_VPG	Customer Gateway	cgw-0965d9a92602fde04 AWS_PrivateLink_CGW
Transit Gateway		Customer Gateway Address	VPG IP Address Given by IT
Туре	ipsec.1	Category	VPN
VPC	vpc-0754e76a68009ec0e AWS_PrivateLink_VPC	Routing	Static
Acceleration Enabled	false	Authentication Type	Pre Shared Key
Local IPv4 Network Cidr	10.240.0.0/24	Remote IPv4 Network Cidr	0.0.0.0/0
Local IPv6 Network Cidr	-	Remote IPv6 Network Cidr	

17. Create a Site to Site VPN connection. You will need the VPC CIDR Block, VPG given by your IT department and the on-premise CIDR block that your NetBackup infrastructure is located on. (The on-prem CIDR block is not show in this image. Static routing is used in this example.)

Download Configuration	Actions ¥	j
	Download Configuration	Download Configuration Actions *

- 18. The next step is to click on Download Configuration and share the downloaded file with your IT/Security department. It should contain most of the information needed to build the on-premises rules needed for PrivateLink.
- 19. Once the on-premises configurations are complete, it's time to validate the PrivateLink works correctly. From the terminal of the Primary NetBackup server type the following command:

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openssl s_client -showcerts -connect bucket.The_DNS_Name_AWS_Gave:443

If everything is configured correctly, the connection should be successful, and a list of SSL certificates will be shown.

Use NetBackup to Connect to AWS Using PrivateLink

To connect to the newly created AWS PrivateLink, log into the NetBackup Primary server and navigate to Storage > Storage Configuration. An MSDP Storage Server will need to be added or an existing one can be used. This document assumes one has already been created.

Storage configuration					
Storage servers	Disk pools				
+ Add Search					
Name	Used space				
No data to display					

1. From Storage Configuration, click on Disk Pools and +Add to create a new Disk Pool and Volume.

Disk pool op	tions	2 Volumes
Storage server	name *	
MSDP Storage	Server	
Disk pool name	*	
AWS_DiskPool1		0
Description		
Enter descriptio	n	
Limit I/O s	treams d and write jobs affect disk performance. Limit I/C	/O streams to prevent disk overload.
Concurrent rea		
e following opti	ons do not apply if you select a clou	ud MSDP disk volume in the next step.
e following opti	ons do not apply if you select a clou	ud MSDP disk volume in the next step.
e following opti High water mar	ons do not apply if you select a clou k	ud MSDP disk volume in the next step.
e following opti High water mar 98 Low water mark	ons do not apply if you select a clou k %	ud MSDP disk volume in the next step.

2. Select the MSDP server that will be used and give the new Disk Pool a name. Click Next to continue.

Add	MSDI	P disk pool			
0	Disk p	oool options			2 Volumes
Vol	lume lect vo	blume			
Ad	d volu	ime			Q
		Name	Available space	Total size	Encryption
(PureDiskVolume	452.43 GB	470.99 GB	No
:	Showin	ng 1-1 of 1 (1 selected)			

3. Next click on Add volume.

Add volume 🗸	
/olume name *	
AWS_Volume1	0
Cloud storage provider *	Storage API type

4. Add Volume Part 1.

- Give The volume a name.
- Click on Cloud Storage Provider.

Select cloud storage provider							
X 1	item selected						
	Cloud storage provider	Description	Storage API type				
\bigcirc	Amazon	Simple Storage Service	S3				
0	Amazon GovCloud	Simple Storage Service	S3				

S	Select cloud storage provider									
		Cloud storage provider	Description	Storage API type						
	\bigcirc	Veritas Alta Recovery Vault Azure	Veritas Alta Recovery Vault Azure Storage Service	Azure						
	\bigcirc	Veritas Alta Recovery Vault Azure Government	Veritas Alta Recovery Vault Azure Storage Service	Azure						
	igodoldoldoldoldoldoldoldoldoldoldoldoldol	Veritas Alta Recovery Vault Amazon	Veritas Alta Recovery Vault Amazon Storage Service	S3						
	0	Veritas Alta Recovery Vault Amazon Government	Veritas Alta Recovery Vault Amazon Storage Service	S3						

- 5. Add Volume Part 2.
- Click on Amazon and click select.
- For Alta Recovery Vault Amazon Bucket : Search for "Veritas Alta Recovery Vault Amazon" and the following Cloud storage providers appear. For this example, you will choose Veritas Alta Recovery Vault Amazon.

Add a region		×
Region name *		<u> </u>
US East (Ohio)		
Location constraint *		
us-east-2		
Service URL *		
bucket.the_dns_name_given_by_AWS_under_endpoints		- 1
Endpoint access style		
Virtual hosted style		~
HTTP port *		
80		
HTTPS port *		- 1
443		
		*
	Cancel	Add

6. Add Volume Part 3.

- Give the region a name.
- Enter the Location Constraint.
- Add the Service URL which is the DNS name given by AWS under Endpoints with the prefix "bucket." attached.
- Change or keep the defaults for HTTP/HTTPS ports.
- Click on Add.

≀egion*	Service host	Pegion name	Region identifier
	Service nost	Region name	Region identifier
igodol	bucket.the_dns_name_given_by_AWS_under_endpoints	US East (Ohio)	us-east-2
0	s3-fips.us-east-1.amazonaws.com	US East (N. Virginia)	us-east-1
0	s3-fips.us-east-2.amazonaws.com	US East (Ohio)	us-east-2
\cap	e3.fine lie-waet-1 amazonawe.com	119.West (Northern California)	IIS-WAST-1
Acces	ss details for Amazon account		
\bigcirc	Access credentials		
Acces	ss key ID *		
Coord	t aaaaa kay t		
Secre	access key ~	۲	
\bigcirc	Use IAM Role (EC2)		

7. Add Volume Part 4.

- Select the newly created Region.
- Enter in the AWS Access Credentials and Secret Access Key.

Advanced settings	^
Security ✓ Use SSL Authentication only Authentication and data transfer ✓ Check certificate revocation (IPv6 not supported for this option) Enable server-side encryption	
Proxy Use proxy server	
WORM Use object lock NetBackup retrieves the Object Lock information from Cloud storage. Ensure that the targeting bucket is created, and the Object Lock mode is set. Refer to the NetBackup Deduplication Guide for more details.	

- 8. Add Volume Part 5.
 - Select if you would like to change any of the default security settings.

Cloud buckets Enter an existing cloud bucket name Select or create a cloud bucket 	
	Complete all required fields to view available cloud buckets.
	Retrieve list
Compression and Encryption MSDP compression is automatically enabled MSDP KMS encryption is not enabled 	

9. Add Volume Part 6.

- Choose Select or create a cloud bucket.
- o Click on Retrieve List to connect to AWS.

Cloud buckets		
C Enter an existing cloud bucket name		
Select or create a cloud bucket		
		+ Add
		Q 2
Name	Region	
O cp-nbu-vid	us-west-1	
ngawsbucket1	us-east-2	
Compression and Encryption		
MSDP KMS encryption is not enabled		

10. Add Volume Part 7.

- After connecting to AWS, either select a pre-created bucket or click on the +Add button to create a new bucket.
- Click Next to continue.

11. Add volume Part 8.

• Add any replication targets if required.



12. Add Volume Part 9.

• Review what will be created and click Finish.

Sto	rage	configuration					
	Sto	rage servers	Disk pools	Storage units	Universal shares		
+	Ado	Search					
		Name	Used space	Volumes	Storage server type	Category	Storage server
		AWS_Diskpool1	0.00 KB	AWS_Volume1	PureDisk	MSDP	

13. The Disk Pool has been created and the next step is to add a Storage Unit so backups can use the new AWS PrivateLink.

Storage servers	Disk pools	Storage units
Add Search		
Name 🔨	Media servers	Category

14. Click on the Storage Units tab and click on +Add.

Add storage unit	×
Select the type of storage that you want to configure	
AdvancedDisk Media server local storage	
Cloud storage Direct backup to cloud	
Media Server Deduplication Pool (MSDP) Deduplication to local storage and cloud	
OpenStorage	
	Cancel Start

15. Select MSDP and click Start.

Add MSDP storage unit	
1 Basic properties	
Name *	
AWS_Storage_Unit1	
Maximum concurrent jobs	
1	\$
Maximum fragment size	
51200	\$ MB

16. Name the MSDP Storage Unit and click on Next.

Selec	et a disk pool					
Sea						
	Name	Used space	Volumes	Storage type	Storage server	Replication
0	AWS_Diskpool1	0.00 KB of 8.00 PI	AWS_Volume1	PureDisk		None
4						
Sho	wing 1-1 of 1 (1 selected)					

17. Select the disk pool recently created.

Se	ect media server		
0	Allow NetBackup to automatically select Manually select		
	Name	NetBackup version	OS platform
		9.1.0.1	Linux

18. Select Media Server you'd like to use.

19. When the desired selections have been made, click on Save.

20. The storage configuration is complete, and the new media can be used to perform backups.

Conclusion

With Veritas NetBackup, Veritas Alta Recovery Vault and AWS PrivateLink, users can now safely transfer data to and from the AWS cloud without the risk of exposing sensitive data to visibility, tampering or theft. Users can now access S3 directly as a private endpoint using a secure, virtual network which leverages a new interface endpoint within your Virtual Private Cloud (VPC).

About Veritas

Veritas Technologies is a global leader in data protection and availability. Over 80,000 customers— including 87 percent of the Fortune Global 500—rely on us to abstract IT complexity and simplify data management. The Veritas Enterprise Data Services Platform automates the protection and orchestrates the recovery of data everywhere it lives, ensures 24/7 availability of business-critical applications, and provides enterprises with the insights they need to comply with evolving data regulations. With a reputation for reliability at scale and a deployment model to fit any need, Veritas Enterprise Data Services Platform supports more than 800 different data sources, over 100 different operating systems, more than 1,400 storage targets, and more than 60 different cloud platforms. Learn more at www.veritas.com. Follow us on Twitter at @veritastechllc.

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