



Datasheet

NetApp AltaVault Cloud-Based Appliances

Cloud-Based Appliances for Amazon Web Services
and Microsoft Azure

Key Features

Efficient

Accelerates data protection by reducing data volumes by up to 90%

Open

Integrates with the backup software you already use

Secure

Keeps data encrypted, reducing security and compliance risks in the cloud

Simple

Enables you to go from zero to cloud protected in less than 30 minutes

The Challenge

Meet recovery objectives with minimal budget

Businesses that want to have a complete disaster recovery solution traditionally must spend large sums of money, time, and resources to build out, maintain, and secure a secondary site location. Whether this is at an existing site owned by a company or at a colocation facility where space is rented, the cost is significant because the computing and storage resources are always on the premises and must be available 24/7/365. However, not all firms have the resources to invest in secondary or tertiary DR sites.

The need to protect cloud-native workloads

As more and more workloads are migrated to cloud-based infrastructure or are “born in the cloud,” the challenge is how to protect them. Most experts agree that if you protect data on site, you must protect it in the cloud as well. Many companies find that it makes the most sense to protect these workloads within the cloud, rather than bring them back on premises and keep copies separated by region, login credentials, or even cloud providers.

The Solution

AltaVault cloud-based appliances for Amazon Web Services and Microsoft Azure

For organizations without a secondary disaster recovery location or for companies looking for extra protection with a low-cost tertiary site, cloud-based NetApp® AltaVault® (formerly SteelStore) appliances on Amazon Web Services (AWS) and Microsoft Azure are the key to enabling cloud-based recovery. Using on-premises AltaVault physical or virtual appliances, data is seamlessly and securely backed up to the cloud. If the primary site is unavailable, you can quickly spin up a cloud-based AltaVault appliance in AWS or Azure and recover data in the cloud. Pay only for what you use when you use it with usage-based pay-as-you-go pricing.

If you already have production workloads running in the public cloud, you know that protecting those workloads in the cloud is just as critical as if they were running on premises. Cloud-based AltaVault appliances offer an efficient and secure approach to backing up cloud-based workloads. Using your existing backup software, AltaVault cloud-based appliances deduplicate, encrypt, and rapidly migrate data to long-term, low-cost cloud storage.

How AltaVault Cloud-Based Appliances Work

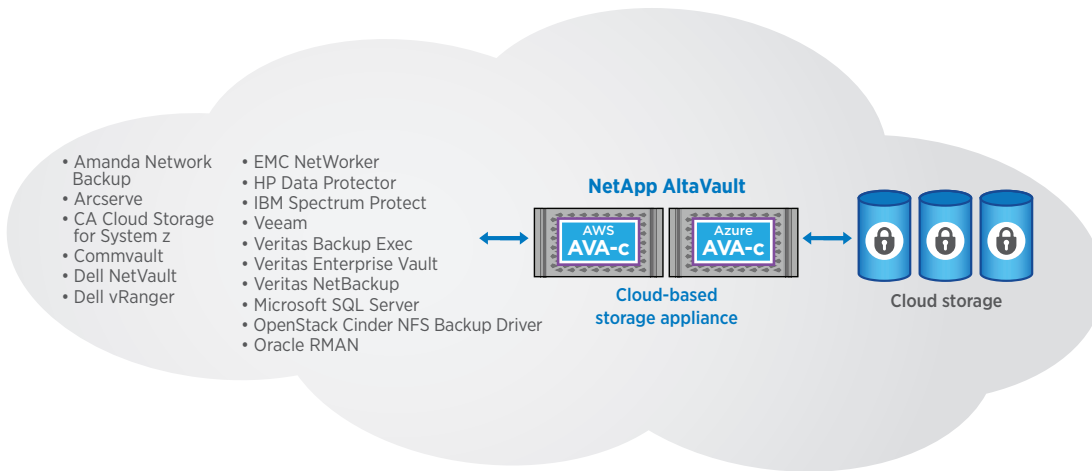


Figure 1) AltaVault can protect cloud-based data and restore backup data in the cloud.

AltaVault Cloud-Based Appliance Model Specifications

CATEGORY	ATTRIBUTES ¹	CLOUD APPLIANCES ⁴					
		Backup Mode			Cold Storage Mode		
		AVA-c4	AVA-c8	AVA-c16	AVA-c4	AVA-c8	AVA-c16
Performance	Backup throughput (maximum)	345GB/hr	400GB/hr	3TB/hr	175GB/hr	225GB/hr	350GB/hr
Cloud	Cloud storage providers supported ¹	Multiple; visit the solution connection ⁵ for more details					
	Cloud capacity supported ²	20TB	40TB	80TB	N/A	N/A	N/A
	Logical cloud capacity (maximum) ³	600TB	1.2PB	2.4PB	1.6PB	3.2PB	6.4PB
Local disk storage	Usable local capacity (maximum)	4TB	8TB	16TB	4TB	8TB	16TB
	RAID Protection	RAID 6 recommended for datastore storage					
Network	Storage networking supported	CIFS/SMB, NFS					
Server	Supported hypervisors	Not applicable					
Third-party application	Backup/archive software supported	Multiple; visit the solution connection ⁵ for more details					

1. For details about technical specifications, contact your nearest NetApp or channel sales associate.
 2. 5x of appliance usable local capacity; for example, a maximum of 160TB of cloud capacity can be supported by 32TB of usable local capacity.
 3. Backup mode: calculated using 30x deduplication. Cold Storage mode: assumes 50% compression and 100MB file size.

4. All AltaVault cloud appliances are available on the Amazon Marketplace as AMIs. Only AVA-c4 is available on Microsoft Azure as AVMs.
 5. <http://solutionconnection.netapp.com/altavault>

Professional services, delivered by NetApp and partners, can help you implement AltaVault into new or existing NetApp or third-party backup/archive environments. NetApp specialists will architect and integrate an optimal backup storage and/or disaster recovery configuration that meets the specific needs of your environment. Support services help you achieve continuous operations, operational excellence, and improved cost efficiency.

About NetApp

Leading organizations worldwide count on NetApp for software, systems and services to manage and store their data. Customers value our teamwork, expertise and passion for helping them succeed now and into the future.

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