



## Datasheet

# NetApp AltaVault Cloud-Integrated Storage

Virtual Appliances for Microsoft Hyper-V, VMware vSphere and KVM

### Key Features

#### Efficient

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

#### Open

Integrates with the backup software you already use and with all leading public and private cloud storage providers

#### Secure

Keeps data encrypted at all times, 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

#### Backup and restore processes are slow, expensive, and risky

Traditional backup and recovery solutions fall short because they are:

- **Too slow.** Users expect instant recovery and minimal data loss, but legacy backup and recovery strategies can't keep pace. As a result, many organizations fail to meet backup and recovery windows.
- **Too expensive.** As storage grows, companies struggle with the rising cost of protecting that data on the premises. Additionally, bandwidth costs and constraints become more acute with larger datasets.
- **Too risky.** Many organizations still rely on tape, which increases risk exposure because of the potential for lost media in transport, increased downtime and data loss, and limited testing ability.
- **Too complex.** With an ever-increasing number of critical applications to protect, along with complex backup architectures, multiple backup apps, and error-prone legacy technologies, backup is incredibly complex

### The Solution

#### Send and archive data to the public or private cloud

NetApp® AltaVault® (formerly SteelStore) storage enables customers to securely back up data to any cloud at up to 90% less cost compared to on-premises solutions. AltaVault gives customers the power to tap into cloud economics while preserving investments in existing backup infrastructure and meeting backup and recovery SLAs.

#### AltaVault virtual appliances for Microsoft Hyper-V, VMware vSphere and KVM

AltaVault virtual appliances are an ideal solution for medium-sized businesses that want to get started with cloud backup. They're also ideal for enterprises that want to protect branch offices and remote offices with the same level of protection they enjoy in the data center. AltaVault virtual appliances provide the flexibility of deploying onto heterogeneous hardware while still providing all of the features and functionality of hardware-based appliances. AltaVault virtual appliances can be deployed onto Microsoft Hyper-V, VMware vSphere or KVM hypervisors, enabling customers to choose the hardware that works best for them.

## How AltaVault Appliances Work

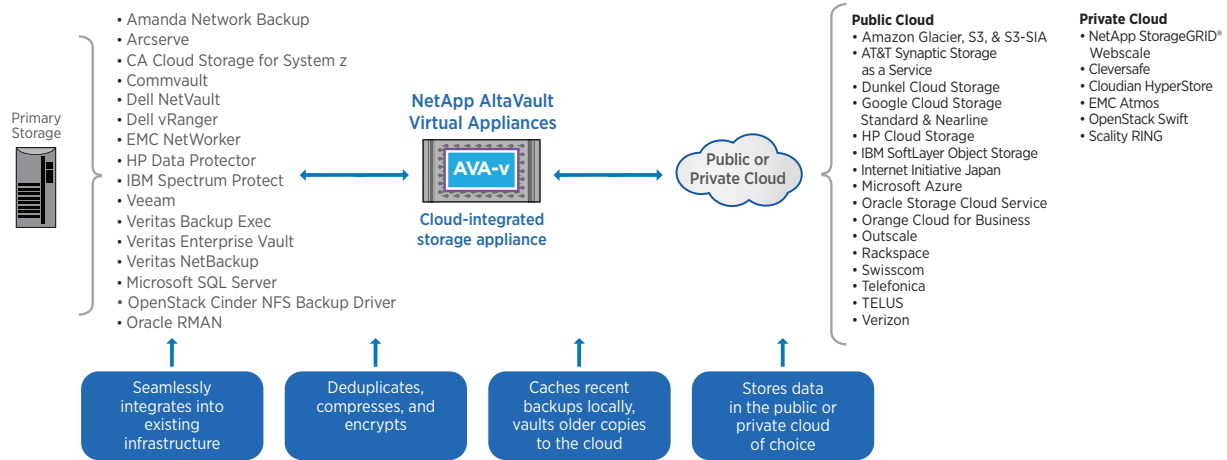


Figure 1) NetApp AltaVault provides seamless integrations with existing applications and cloud service providers.

## AltaVault Virtual Appliance Model Specifications

CATEGORY	ATTRIBUTES <sup>1</sup>	VIRTUAL APPLIANCES							
		Backup Mode				Cold Storage Mode			
		AVA-v2	AVA-v8	AVA-v16	AVA-v32	AVA-v2	AVA-v8	AVA-v16	AVA-v32
Performance	Backup throughput (maximum)	500GB/hr	1TB/hr	2TB/hr	3TB/hr	350GB/hr	350GB/hr	350GB/hr	350GB/hr
Cloud	Cloud storage providers supported <sup>1</sup>	Multiple; visit the <a href="#">solution connection</a> <sup>4</sup> for more details							
	Cloud capacity supported <sup>2</sup>	10TB	40TB	80TB	160TB	N/A	N/A	N/A	N/A
	Logical cloud capacity (maximum) <sup>3</sup>	300TB	1.2PB	2.4PB	4.8PB	625TB	2.5PB	5PB	10PB
Local disk storage	Usable local capacity (maximum)	2TB	8TB	16TB	32TB	2TB	8TB	16TB	32TB
	RAID Protection	RAID 6 recommended for datastore storage							
Network	Storage networking supported	CIFS/SMB, NFS							
Server	Supported hypervisors	Hyper-V, vSphere ESXi, and KVM							
Third-party application	Backup/archive software supported	Multiple; visit the <a href="#">solution connection</a> <sup>4</sup> 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. <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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