



Solution Brief

NetApp AltaVault

Cloud-integrated backup and archiving
for Microsoft Azure

Key Benefits

Efficient

Uses inline deduplication and compression for up to 30:1 data-reduction ratios

Open

Integrates with the backup software that you already use

Secure

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

Simple

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

What Is NetApp AltaVault?

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

The Challenge

Traditional backup and recovery strategies can't keep pace with the requirements of users today because these strategies 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 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 Solutions

AltaVault cloud-based appliances on 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 appliances on Microsoft Azure are the key to enabling cloud-based recovery. By 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 Azure and recover data in the cloud. And with usage-based pay-as-you-go pricing, you pay only for what you use.

If you already have production workloads that run in the Azure 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. By using your existing backup software, AltaVault cloud-based appliances deduplicate, encrypt, and rapidly migrate data to long-term, low-cost cloud storage.

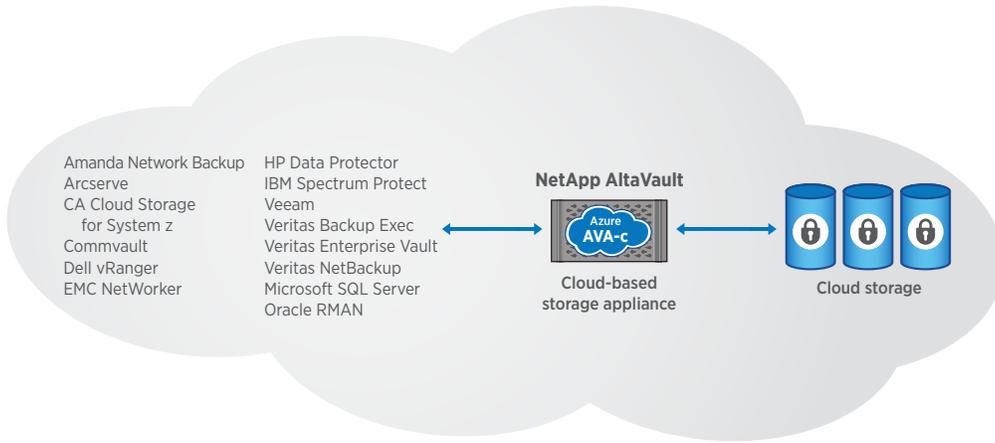


Figure 1) AltaVault can protect cloud-based data and restore backup data in the cloud.

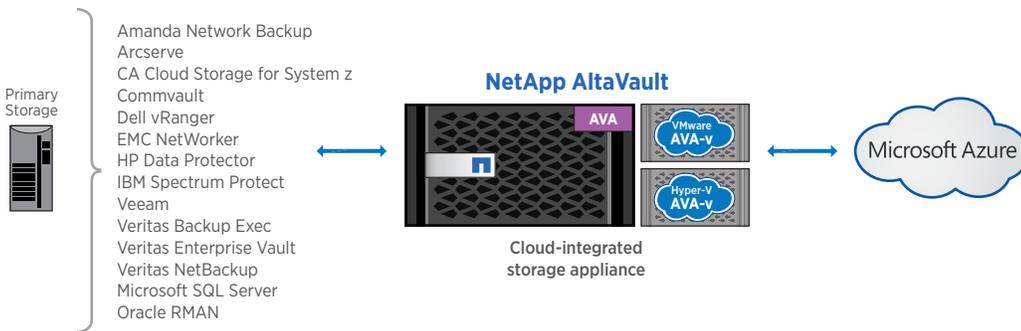


Figure 2) NetApp AltaVault offers seamless integration with existing applications and cloud service providers.

AltaVault virtual appliances for Microsoft Hyper-V and VMware vSphere

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

AltaVault physical appliances

AltaVault physical appliances are among the industry's most scalable cloud-integrated storage appliances, with capacities ranging from 32TB to 384TB of usable local cache. AltaVault physical appliances are often deployed in the data center to

protect large volumes of data. These datasets typically require extremely high levels of performance and scalability. AltaVault physical appliances are built on a scalable and an efficient hardware platform that is optimized to reduce data footprints and to rapidly stream data to the cloud.

Give AltaVault a try

Go to <https://azure.microsoft.com/en-us/marketplace/partners/netapp>.

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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