



Solution Brief

Accelerate Private Cloud Data Management with NetApp AltaVault and StorageGRID Webscale

Back up to the private cloud with StorageGRID Webscale and AltaVault (formerly SteelStore)

Key Features

- NetApp® AltaVault® cloud-integrated storage seamlessly integrates with the backup software that you already use and with all leading public and private cloud storage providers.
- With AltaVault, you can go from zero to cloud protected in less than 30 minutes.
- AltaVault keeps your data encrypted at all times, reducing risks to security and compliance in the cloud.
- AltaVault accelerates data protection by reducing data volumes by up to 90%.
- Built-in WAN optimization and deduplication can speed data transfer rates to the cloud by up to 4 times.
- You can restore data up to 32 times faster with AltaVault than with tape.

The Challenge

Today's enterprises are undergoing explosive growth in unstructured data. Petabytes of data are created by multiple applications and devices and from globally distributed locations. Users demand 24/7 access from any location and device, and at the same time, IT must be able to maintain the integrity and security of the data. Many business and compliance requirements mandate that this data outlive the underlying storage infrastructure, in some cases by many generations.

Storing this data while meeting requirements for durability, availability, and performance—and while containing costs—has driven customers to seek new solutions.

The Solution

NetApp StorageGRID Webscale

NetApp StorageGRID® Webscale is a massively scalable, software-defined object storage solution for large archives, media repositories, and web datastores. StorageGRID Webscale combines 10+ years of production deployments with intelligent policy-driven data management to create an enterprise-grade, highly scalable object repository built for the hybrid cloud.

NetApp AltaVault (formerly known as SteelStore)

With NetApp AltaVault enterprise-class cloud-integrated storage, you can securely back up data to any cloud at up to a 90% lower cost compared with on-premises solutions. AltaVault gives you the power to tap into cloud economics while preserving investments in your existing backup infrastructure and meeting backup and recovery SLAs. The AltaVault ironclad security capabilities mean that you can sleep peacefully knowing that your company data is safe and compliant.

AltaVault and StorageGRID Webscale Accelerate Backup and Archiving to the Private Cloud

The combined NetApp StorageGRID Webscale and AltaVault solution enables you to efficiently store, manage, and retrieve your data. With an intelligent network optimization solution, AltaVault can cut data volumes by 90% and reduce transport rates by up to 4 times. AltaVault also provides strong encryption of data on site, in transit, and at rest within the cloud, which means that your data remains secure.

Key Benefits

Efficient

From the moment of installation, the AltaVault cloud-integrated storage appliance is tuned and optimized to compress data and transport it to its destination as quickly as possible. AltaVault uses variable-length inline deduplication and compression, resulting

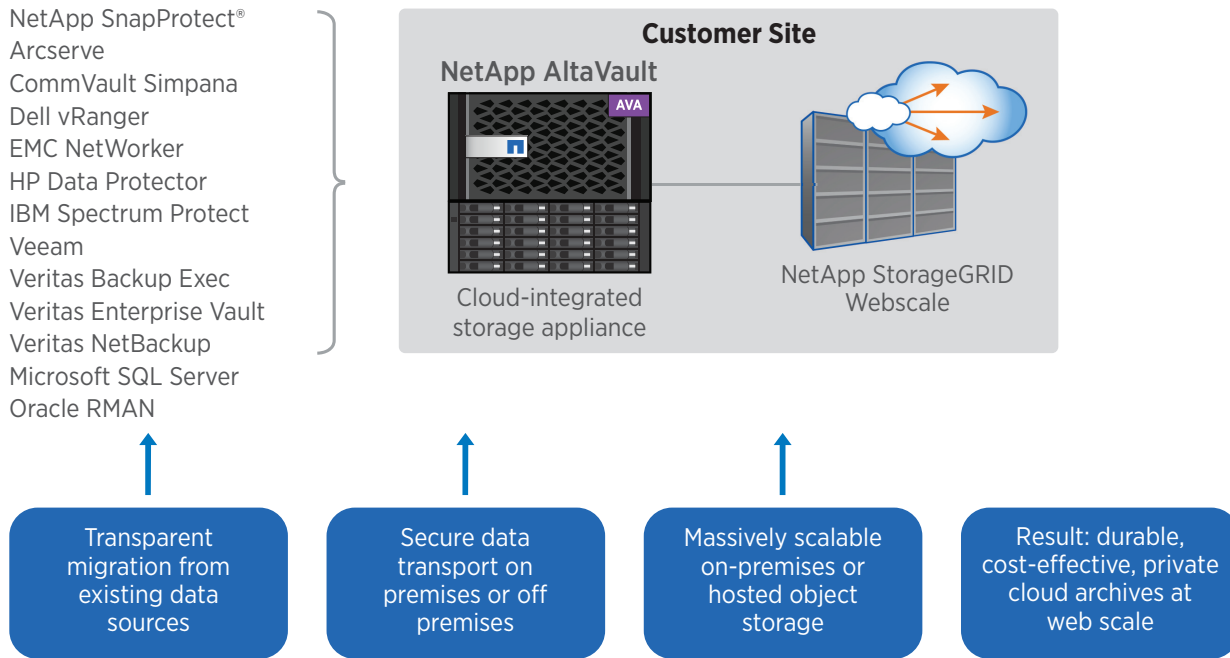


Figure 1) How AltaVault and StorageGRID Webscale work.

in up to 90% data reduction. That reduction means that you store less data in the private cloud and can get it there faster.

You can connect the AltaVault appliance and StorageGRID Webscale by using WAN or LAN. Either way, the built-in network optimization and deduplication of AltaVault reduce the amount of data transported and can speed transfer rates by up to 4 times.

Secure

AltaVault cloud-integrated storage appliances encrypt your data inline with AES 256-bit encryption and transport it to StorageGRID Webscale by using an SSLv3-TLSv1 connection. You can manage the encryption key by using role-based administration, and you can protect it by using a rotating passphrase key that prevents unauthorized access to the encrypted data.

AltaVault appliances secure the encryption key and other pertinent security information, such as cloud credentials, within the secure vault. This on-disk security space is unlocked (and read into nonpersistent memory) at boot time by using a secure AES 256-bit password that only an administrator can change or set. AltaVault appliances use FIPS 140-2 level-1 compliant cryptography (certification is coming soon).

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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