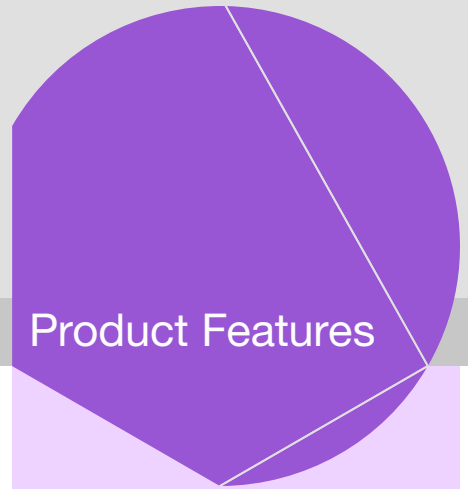


Backup and Disaster Recovery

VMware on IBM Cloud
with NetApp AltaVault

Backup and Disaster Recovery

NetApp AltaVault, an enterprise-class cloud-integrated appliance, enables customers to securely backup data in and to the IBM cloud while boosting recovery times, cutting costs, and reducing risks.



Product Features

This backup and disaster recovery solution, based on an AltaVault® appliance from NetApp® and the IBM Cloud, enables efficient storage, management, and retrieval of data, while supporting flexible and economical data-protection strategies. With intelligent network optimization, AltaVault can cut data volumes by 90 percent and reduce transport times by 75 percent. And with its encryption for data on-site, in-transit, and at rest within the cloud, data remains secure.

How does it work?

When deployed into a VMware environment on IBM Cloud, the AltaVault virtual appliance is integrated into an existing backup application by becoming its target. For on-premises environments, customers can either use the virtual or the physical appliance.

The AltaVault appliance then deduplicates, compresses, and encrypts the data, significantly reducing its size and the cost associated with storing and transporting the data. Recent backups are cached locally within the appliance for quicker restores, and older data is copied to IBM Cloud object storage, based on policies.

In the case of a cloud deployment, data can be restored back to the virtual appliance. For a hybrid model with on-premises appliance and IBM Cloud object storage, data can be restored back to the on-site appliance or to a virtual appliance that can be deployed on an IBM Cloud server.

What kind of encryption does it use?

The AltaVault appliance encrypts your data in-line with AES 256-bit encryption and transports it to IBM Cloud object storage by using an SSLv3-TLSv1 connection. You can manage the encryption key by using role-based administration and protect it by using a rotating passphrase key that prevents unauthorized access.

Security & Compliance

Keep data encrypted at all times to reduce security and compliance risks in the cloud.

Seamless Integration

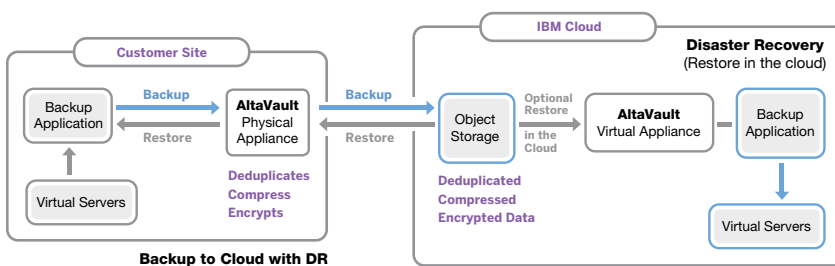
NetApp AltaVault cloud-integrated storage seamlessly integrates with your current backup software and the IBM Cloud object storage services.

Accelerate Cloud Adoption

Go from zero to cloud-protected in less than 30 minutes in three easy steps.

Efficiency

AltaVault accelerates data protection, reducing data volumes by up to 90 percent. Built-in WAN optimization and deduplication can speed data transfer rates up to four times.



© 2016 NetApp, Inc. All rights reserved. No portions of this document may be reproduced without prior written consent of NetApp, Inc. Specifications are subject to change without notice. NetApp, the NetApp logo, AltaVault, are trademarks or registered trademarks of NetApp Inc., in the United States and/or other countries. All other brands or products are trademarks or registered trademarks of their respective holders and should be treated as such. A current list of NetApp trademarks is available on the Web at <http://www.netapp.com/us/legal/netapptmlist.aspx>