

NetApp Data Protection Solutions for Microsoft Office 365

Protect all Office 365 data

The Challenge

Businesses are adopting Office 365 (O365) to increase user productivity, access data and files from any mobile or desktop device anytime, and leverage the cloud for highly flexible scaling of resources. They also use the software to obtain upgrades quickly and to benefit from a unified user interface.

Although the cloud and O365 provide a lot of opportunities, O365 presents significant challenges. These challenges are in data protection (no backups for instant recovery), security (who has access to sensitive data on the cloud and how data will be shared), and increased complexity.

The Solution

NetApp and AvePoint partnered to deliver a highly reliable data protection solution for Office 365 using NetApp storage and AvePoint Online Services for O365 backup and recovery. IT administrators can choose FAS as the on-premises storage option or NetApp AltaVault storage for cloud-integrated storage. Businesses can deploy a NetApp data protection solution for O365 to enable business continuity, protect sensitive data, and simplify administration of O365. This comprehensive solution covers Exchange Online, SharePoint Online, and OneDrive for Business, and it performs backup and restore of mailboxes, site collections, sites, and lists. There is no

difference in functionality among any of the deployment options, providing customers with greater flexibility.

Enterprise-Class Office 365 Data Protection Solution

This data protection solution secures your data by performing automatic daily backups of e-mail, calendars, contacts, tasks, site collections, sites, lists, and files on OneDrive for Business. All content in O365 instances is protected by restoring Exchange and SharePoint components—including individual items—without needing native O365 rollback burdens. Backups are stored in either on-premises FAS storage or in the cloud using AltaVault and NetApp StorageGRID (SGWS) Webscale.

Simplified Management and Migration

With AvePoint Online Services, O365 environments can be monitored around the clock and automatically adjusted if there are unauthorized changes in settings, security, or configurations. AvePoint's DocAve Migrator also provides a fast, efficient, and cost-effective solution for migrating business-critical content into O365. The innovative and reliable data transfer is unique in its ability to granularly migrate content down to individual items while retaining all associated metadata.

HIGHLIGHTS

- Reduces the complexity of moving to Office 365
- Helps retain control of sensitive data as you move users, folders, mailboxes to Office 365
- Provides flexibility—select your deployment model, archiving length, backup window
- Enables business continuity with fault-tolerant data protection
- Simplifies administration

SOLUTION COMPONENT

NetApp Products:

- NetApp FAS running the NetApp clustered Data ONTAP® Operating System (OS) for on-premises storage target
- NetApp AltaVault™ cloud-integrated data storage
- NetApp StorageGRID® Webscale (SGWS) used in conjunction with AltaVault

Partner Products:

- AvePoint Online Services
- DocAve Migrator
- Microsoft Office 365 (Exchange Online, SharePoint Online and OneDrive for Business)

Choice and Control

Customers have full control and choices because NetApp and AvePoint support any type of cloud and any deployment model (whether cloud, hybrid, or on premises), storage target, archiving length, and granularity. That is because content can be backed up at list, library, folder, item, or file level to the designated storage policy.

Administrators can use FAS for on-premises storage backup or deploy NetApp AltaVault, a cloud-integrated storage appliance, and leverage the hybrid cloud to manage large datasets with reduced cost and secure data management. AltaVault cloud-integrated storage speeds recovery and provides global deduplication and compression. AltaVault also transfers data seamlessly to NetApp StorageGRID Webscale object storage software for cost-effective, long-term O365 data retention.

Joint Services

NetApp and AvePoint provide joint, cooperative support for NetApp solutions for O365 to enable quick resolution. NetApp provides the contact point and can resolve the issue if it is storage related or engage AvePoint. Customers get access to expert technical support on the full range of interoperable technologies involved. Migration services are provided by AvePoint for customers needing assistance in moving to O365.

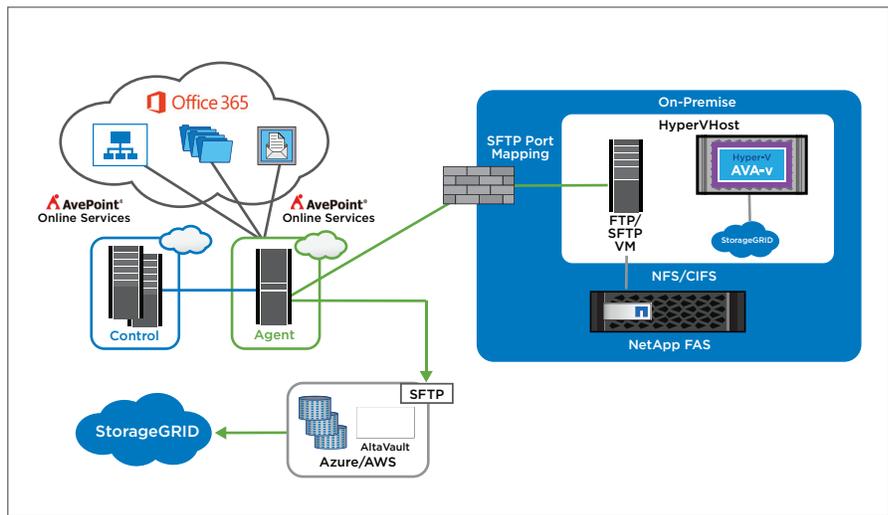


DIAGRAM 1: ARCHITECTURE OF NETAPP AND AVEPOINT ONLINE SERVICES FOR O365 DATA PROTECTION.

How the Solution Works

In a common scenario (Figure 1), an organization has some Exchange or SharePoint users on the premises and some on O365, containing Exchange Online and SharePoint Online. Customers have three basic options: They can back up to FAS on the premises, back up to AltaVault on the premises, or do a cloud backup to AltaVault with SGWS for longer-term retention.

AvePoint Online Services sends the backup to an FTP or SFTP server. That server then writes the data to the on-premises CIFS share or AltaVault device residing on the premises or to an AltaVault instance running in Azure on a DS3 instance. For the AltaVault VM in Azure, the SFTP VM should be in the

Azure private network in which the AltaVault VM runs and that is configured to read/write data to the SFTP VM public IP. In this case, AvePoint Online Services uses web services and CSOM APIs to back up the data to a CIFS share residing in on-premises FAS storage or to an AltaVault device residing in the on-premises data center or in Microsoft's Azure Cloud.

ABOUT AVAPOINT

AvePoint is the Microsoft Cloud expert. Over 15,000 companies and 3 million cloud users trust AvePoint to migrate, manage, and protect their Office 365 and SharePoint data.

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.