



Solution Brief

NetApp Private Storage for Microsoft Azure

Harness the power and control of a hybrid cloud
from NetApp and Microsoft to transform your
data center to meet dynamic business needs

KEY BENEFITS

Agility and Efficiency

Attain the agility and efficiency
of a hybrid cloud solution from
NetApp and Microsoft.

Fast Connectivity

Leverage Microsoft® Azure
ExpressRoute connectivity for
fast, dedicated, high-bandwidth
connections to your private
storage for secure hybrid cloud
performance.

Complete Control

With NetApp® private storage,
you have complete control over
your data connected to the
Microsoft Azure environment.

Secure Private Storage

NetApp private storage is located
within secure, reliable, tier 1
Equinix data centers, placing your
data securely next to Azure public
cloud compute resources.

The Challenge

As CIOs and their teams continue
their evolution from being builders
of applications and operators of
data centers to becoming brokers
of information services, they require
choice and flexibility to navigate
their evolving mobile-first, cloud-first
world. They need agile solutions that
harness the power of private, public,
and hybrid cloud resources in order to
transform their data centers to meet
evolving business requirements.

The Solution

NetApp Private Storage for Microsoft
Azure allows your enterprise to build
an agile, high-performance cloud
infrastructure that balances private
and public cloud resources to optimize
business outcomes. As an addition
to NetApp's award-winning Microsoft
Cloud portfolio, which includes
FlexPod® Datacenter with Microsoft
Private Cloud, NetApp Private Storage
for Microsoft Azure lets you leverage
the performance, agility, and control
of private NetApp storage resources
with the savings and elasticity benefits
of Microsoft Azure. This enables your
organization to simply and securely

extend into the cloud to enable
massive scalability as you need it.
And it allows workloads to move
seamlessly across cloud resources.

NetApp Private Storage for Microsoft
Azure features the NetApp clustered
Data ONTAP® storage operating
system, offering a single storage
and data management platform that
enables unrestricted and secure
data movement across private,
public, and hybrid clouds.

NetApp private storage connects
to Microsoft Azure using Azure
ExpressRoute, a private, high-
bandwidth, low-latency connection
that does not go over the Internet.
So now you can connect directly
to your private storage located at a
colocation facility to Microsoft Azure
Equinix, a global interconnection
and data center company, is the first
colocation facility to offer direct, high-
speed connections to Microsoft Azure
with ExpressRoute. NetApp Private
Storage for Microsoft Azure testing has
shown ExpressRoute provides 36%
better performance versus VPN over
public Internet connections.

Microsoft Partner

Gold Management and Virtualization
Gold Data Platform
Gold Application Development
Silver Server Platform

Combine Public Cloud Benefits with Proven Enterprise Storage

NetApp Private Storage for Microsoft Azure combines the elasticity and savings of Microsoft Azure with the performance and availability of dedicated NetApp enterprise storage.

Enterprise workload optimization

Your organization will reap the benefits of Microsoft Azure combined with the speed, reliability, and availability of NetApp storage for enterprise workloads such as Microsoft SQL Server®, Oracle®, SAP®, and more.

Azure compute for variable workloads

You can easily match compute resources to utilization and avoid large capex investments that would otherwise be required for peak, unforecasted, or seasonal workloads.

Disaster recovery at a lower cost

Cost-effective single- or multiregion disaster recovery can be deployed by activating Azure only in DR test and failover scenarios.

Protecting critical applications

Take advantage of space-efficient NetApp Snapshot™ technology for backup, rapid recovery, and integrated data protection of business-critical applications.

Increased cloud connectivity performance

NetApp storage connected to Azure through ExpressRoute greatly improves throughput compared to traditional VPN connectivity over the Internet.

Your Cloud, Your Terms

With NetApp private storage, you have complete control over your data while using Microsoft Azure:

Store your data “next to” compared to “in” the cloud

By locating your data next to Azure, you retain control of your data and enable performance similar to on-premises infrastructure stacks, without incurring high compute investment.

Secure connectivity to the cloud

ExpressRoute allows you to connect NetApp storage with a secure, dedicated, high-speed network connection.

Meet compliance and sovereignty regulations

The use of NetApp private storage helps you meet compliance requirements. You own your storage and know where your data lives at all times. Advanced NetApp compliance features include SnapLock® and NetApp disk encryption.

Enabling cloud data mobility

NetApp clustered Data ONTAP offers a single storage and data management platform that makes it easy to move data within your infrastructure based on NetApp, including private, public, and hybrid clouds.

World-class physical security

Placing NetApp storage in tier 1 data centers such as the ones provided by Equinix offers your organization superior physical and environmental security.

Optimize Resources Across Private and Public Clouds

With NetApp Private Storage for Microsoft Azure, you can dynamically change your mix of public and private cloud resources to balance your opex-capex profile and meet changing business needs.

Accelerate innovation and time to market

Your organization can leverage the speed and flexibility of Azure compute resources for development and test and then run it on Azure or deploy on premises.

Optimize cloud resources

The use of Microsoft System Center 2012 R2 and Data ONTAP PowerShell Toolkit enables management and mobility of data between private cloud and private storage connected to Microsoft Azure.

Data center migration and consolidation

Move your data to private storage connected to Azure and maintain operations as old data centers are decommissioned. Then leave the data in place or move it to a new data center.

Adjust capex-opex spending

You can adjust your capex-opex spending throughout your SaaS lifecycle. Pay as you go for Azure compute, then repatriate data to a private cloud as you grow.

Leverage the Experience of Proven Industry Leaders

With NetApp Private Storage for Microsoft Azure, your organization can move to the Microsoft Azure cloud environment with confidence. You'll leverage the proven experience of industry leaders in storage and cloud computing. For over 10 years, NetApp and Microsoft have worked closely to optimize NetApp storage and data management solutions for Microsoft environments and applications. NetApp's award-winning solutions for Private Cloud, including FlexPod Datacenter, have helped customers accelerate the deployment of Microsoft Cloud OS technologies such as Windows Server® with Hyper-V® and System Center. Today, more than 30,000 global enterprise customers store, protect, and manage their Microsoft application data with NetApp. Recently, NetApp was recognized as a “best-in-class” Microsoft partner, with two finalist spots at the Microsoft 2014 Partner of the Year Awards.

About NetApp

NetApp creates innovative storage and data management solutions that deliver outstanding cost efficiency and accelerate business breakthroughs. Discover our passion for helping companies around the world go further, faster at www.netapp.com.

Go further, faster®



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