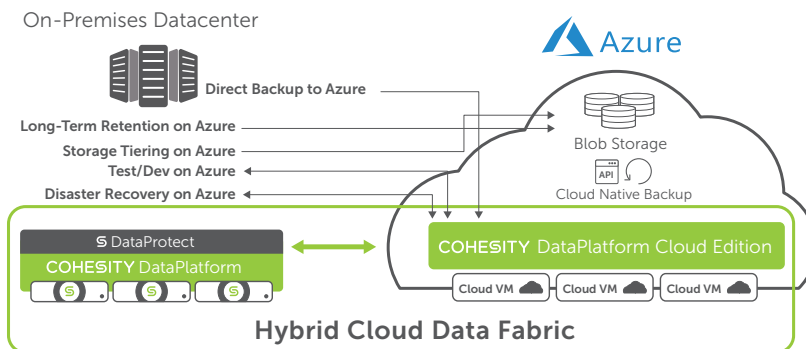


Cohesity and Microsoft Azure

Hybrid Cloud Data Fabric for Backup, Archival, Disaster Recovery, and test/Dev

Enterprises are struggling to take control of their secondary data in a hybrid cloud world. In the datacenter, secondary storage still consists of multiple legacy silos for backup software, backup target, file storage, object storage, and test/dev. These silos are complex to manage, inefficient, and don't scale to keep up with data growth.

Together, Microsoft Azure and Cohesity give you a joint solution to take back control of your secondary data with a hybrid cloud data fabric. In the datacenter, Cohesity delivers a web-scale platform that consolidates all secondary storage and data services onto one unified, efficient solution. Cohesity extends the data into Microsoft Azure to take advantage of the scalability and cost-effectiveness of the Azure cloud. The joint solution enables customers to use Azure for data protection, long-term archival, test/dev and disaster recovery.



The joint solution supports several use cases:

Long-Term Retention in Azure: In this scenario, a Cohesity cluster is deployed on-premises for local backup. Cohesity can archive backup data to the Azure cloud for long-term retention. Data is deduped and compressed, and can also be indexed for fast retrieval and search, back to on-premises from the cloud.

Storage Tiering in Azure: Utilize policy-based thresholds to move cold data to the Azure cloud. Leverage Azure blob storage as another tier. Tier data back to an on-premises cluster.

Test/Dev in Azure: This capability enables policy-based replication of data from an on-premises Cohesity cluster to a Cohesity CloudEdition cluster running on the Azure cloud. Cohesity can instantly provision copies of data in the Azure cloud to support test/dev processes.

"With Cohesity Cloud Edition we can easily and transparently move our virtual machine backups into the Microsoft Azure cloud platform. This provides an on-ramp for us to utilize Azure cloud services to run our applications as our business grows and evolves."

PETER OSTASHEN,
IT Manager,
Denham Capital

"Cohesity Cloud Edition gives us the ability to easily and efficiently replicate our on-premises data to Microsoft Azure. It elegantly accomplishes our dual objectives of implementing both a disaster recovery solution, and provisioning low-cost test/dev instances in the cloud, with a single offering."

MARLON WENCESLAO,
Senior Systems Manager,
Annenberg School, University of
Pennsylvania.

Disaster Recovery in Azure: This capability enables policy-based replication of data from an on-premises Cohesity cluster to a Cohesity CloudEdition cluster running on the Azure cloud. Using the replicated data, Cohesity can recover VMs in Azure in less than 1 hour, in the event of an outage at the local data center.

Direct Backup to Azure: Cohesity CloudEdition can be deployed in Azure to backup applications running on customer premises. This eliminates the need to deploy backup software and target storage on-premises, and instead sends all backup data straight to Azure.

Cloud Native Backup: Protect Azure-based applications with API integration. Achieve best in class operational efficiency by leveraging integration with *snapshot APIs in the Azure cloud*.

Key Cloud Capabilities

- **CloudArchive™** – Archive older local snapshots in the Cohesity cluster to the Azure cloud for long-term retention. CloudArchive dedupe optimizes data stored in the Azure cloud.
- **CloudTier™** – Use cloud as an extension to Cohesity’s built-in storage to tier the data between a Cohesity cluster and the Azure cloud. Enable capacity bursts to the cloud.
- **CloudReplicate™** – Replicate data from an on-prem Cohesity cluster to a Cohesity instance in the Azure cloud.
- **CloudEdition™** – Deploy a Cohesity cluster in the public cloud. Enable replication from the datacenter to the Azure cloud.
- **CloudRetrieve™** – Archive data from one cluster to an external target. Register another cluster with same external target and retrieve data from there to an alternate cluster.
- **CloudSpin™** – Spin up on-premises VMs in the Azure cloud for test/dev. Allows policy to be setup to schedule backup to be converted and stored in the cloud without the need for running Cohesity in the cloud. Upon demand, VM in the Azure cloud can be activated.

- NEW** • **Native API Integration-** Integrate with Azure cloud snapshot APIs for native backup of cloud applications.

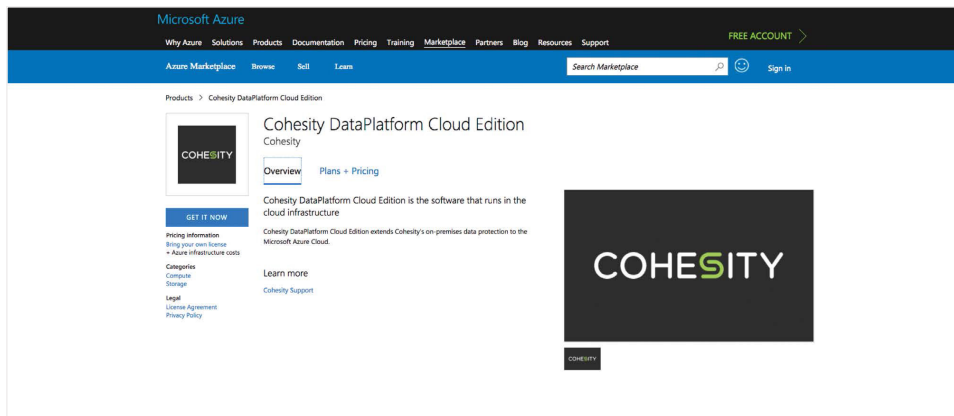


Figure 1: Cohesity DataPlatform Cloud Edition in the Azure Marketplace

Conclusion

The Cohesity DataPlatform provides simple connectivity to the Azure cloud as an extension of the data center infrastructure for long-term retention, tiering, disaster recovery, test/dev and replication. By utilizing Cohesity you can make your hybrid cloud strategy with Azure for secondary data a reality.