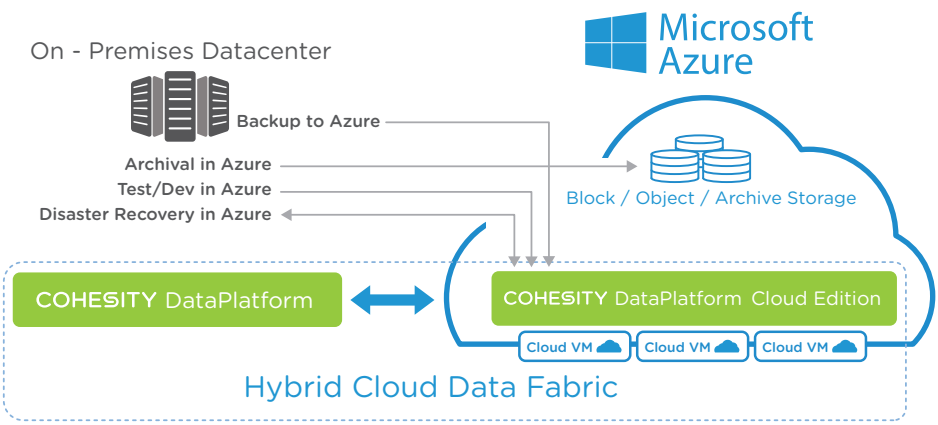
COHESITY | Microsoft Azure

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 four key use cases:

a) **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.

b) **Archival 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.

c) **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 cloud to support test/dev processes.

d) **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. The benefit is that enterprises get a low-cost disaster recovery solution in the cloud.

"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," said Denham Capital IT Manager Peter Ostashen.

"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," said Marlon Wenceslao, senior systems manager at the Annenberg School, University of Pennsylvania.

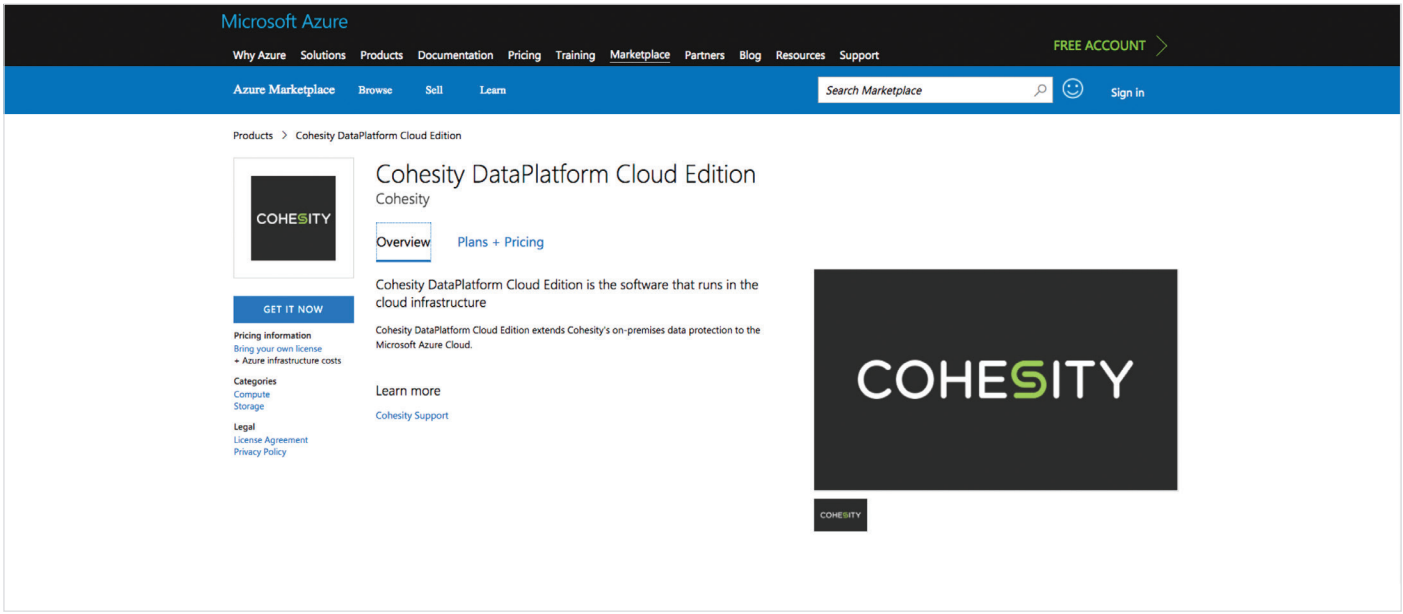


Figure 1: Cohesity Cloud Edition in the Azure Marketplace

Conclusion

Cohesity DataPlatform is helping usher in new technology to achieve data protection business objectives. Besides the on-prem integrated data protection capabilities for physical and virtual environments to shrink RTO/RPO windows, the platform provides seamless connectivity to public cloud services as an extension of the data center infrastructure for tiering, archival and replication.

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