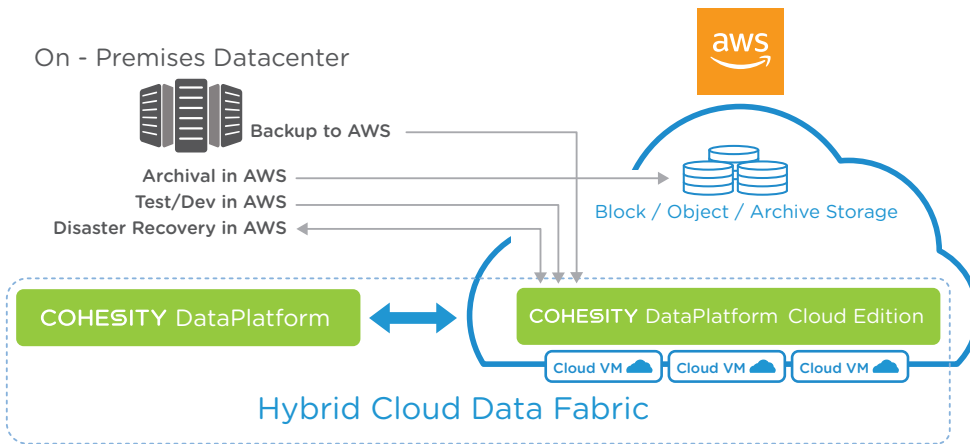




Hybrid Architecture for Backup, Archival, Disaster Recovery, and Test/Dev

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, AWS and Cohesity give you a solution to take back control of your secondary data. 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 onto AWS to take advantage of the scalability and cost-effectiveness of the AWS Cloud. The solution enables customers to use AWS for data protection, long-term archival, test/dev and disaster recovery.



The solution supports four key use cases:

- Backup to AWS:** Cohesity CloudEdition can be deployed on AWS 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 AWS.
- Archival on AWS:** In this scenario, a Cohesity cluster is deployed on-premises for local backup. Cohesity can archive backup data to the AWS 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.
- Test/Dev on AWS:** This capability enables policy-based replication of data from an on-premises Cohesity cluster to a Cohesity CloudEdition cluster running on the AWS Cloud. Cohesity can instantly provision copies of data in the cloud to support test/dev processes.
- Disaster Recovery on AWS:** This capability enables policy-based replication of data from an on-premises Cohesity cluster to a Cohesity CloudEdition cluster running on the AWS Cloud. Using the replicated data, Cohesity can recover VMs on AWS 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.

Key Features

CloudTier:

- Policy based waterfall model moves cold data to AWS. Cold data tiers to the cloud when preset threshold is reached in terms of on-premises storage consumption
- Data is encrypted using AES-256 algorithm for data in-flight and at-rest to AWS

CloudArchive:

- Move backup data to AWS for long-term data retention. Policy based archival of older snapshots in the Cohesity cluster to the AWS Cloud for long-term retention
- Data is indexed for fast search and retrieval back to on-premises from AWS
- Data is encrypted using AES-256 algorithm for data in-flight and at-rest on AWS

CloudReplicate:

- Policy based replication of local snapshots to Cohesity virtual cluster running on AWS
- Data is indexed to allow search capability within the Cohesity virtual cluster
- Single user interface to manage on-premises and AWS Cohesity clusters
- Data is encrypted using AES-256 algorithm for data in-flight and at-rest on the AWS Cloud

“Cohesity has delivered an outstanding solution for our secondary storage and data replication to AWS required in disaster recovery. “We have realized additional cost savings by consolidating several other data backup/replication software and hardware, which has been critical to our organization. The availability of Cohesity Cloud Edition on AWS will enable us to further our move to a hybrid architecture, spanning on-premises and the cloud.

- Tim Duff, System Administrator, Annenberg Public Policy Center, University of Pennsylvania

“The interest in HCI continues to grow at a rapid pace, especially in the secondary storage space where there is an opportunity to streamline data protection and management,”. “The availability of the Cohesity DataPlatform Cloud Edition on the AWS Cloud facilitates the creation of hybrid architectures for enterprises, that can enable them to address a variety of use cases including backup, disaster recovery, test/dev, and application mobility.

- Henry Baltazar, Research Vice President, 451 Research

Summary

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