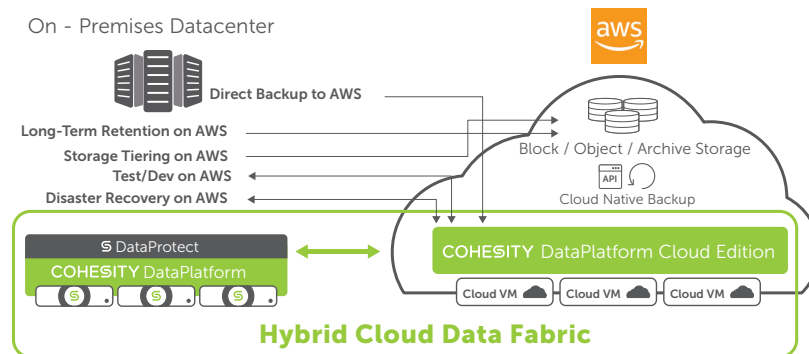


# Cohesity on AWS

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.

With the Cohesity solution on AWS you can take back control of your secondary data and apps. 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.



## Several use cases are enabled by the solution:

**Long-Term Retention 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.

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

**Test/Dev in AWS:** Instantly provision new applications and VMs on the AWS cloud with CloudSpin.

*"As a global technology solutions provider, we like to stay ahead of the technology curve. We saw clear value in adopting Cohesity to consolidate and simplify our secondary storage infrastructure. Cohesity allows us to consolidate data protection and file storage, while providing simple integration with the public cloud for long-term archival."*

**BRIAN SWEENEY,**  
Principal Engineer,  
Manhattan Associates

**Disaster Recovery in AWS:** Enable full lifecycle disaster recovery on the AWS cloud with failover and failback capabilities. Replicate data from an on-premises Cohesity cluster to the AWS cloud.

**Direct Backup to AWS:** Cohesity CloudEdition can be deployed on AWS to back up 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.

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

### Key Cloud Capabilities

- **CloudArchive™** – Archive older local snapshots in the Cohesity cluster to the AWS cloud for long-term retention. CloudArchive dedupe optimizes data stored on the AWS cloud.
- **CloudTier™** – Use cloud as an extension to Cohesity’s built-in storage to tier the data between a Cohesity cluster and the AWS cloud. Enable capacity bursts to the cloud.
- **CloudReplicate™** – Replicate data from an on-premises Cohesity cluster to a Cohesity instance on the AWS cloud.
- **CloudEdition™** – Deploy a Cohesity cluster on the public cloud. Enable replication from the datacenter to the AWS 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 on the AWS cloud for test/dev. Allows policy to be setup to schedule backup to be converted and stored on the cloud without the need for running Cohesity on the cloud. Upon demand, VM on the AWS cloud can be activated.

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

*Leveraging Cohesity’s solution on AWS allows for automated and secure backup and full lifecycle disaster recovery in the cloud. With Cohesity, we now have one platform that gives us the ability to easily search and recover data, keeping our production schedules on track and saving time and expense for Air Bud Entertainment.*

**TYSON CLARK,**

*Technical Director, Air Bud Entertainment*

### Conclusion

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

Learn more at [Cohesity.com/solution/cloud/aws/](https://Cohesity.com/solution/cloud/aws/).