

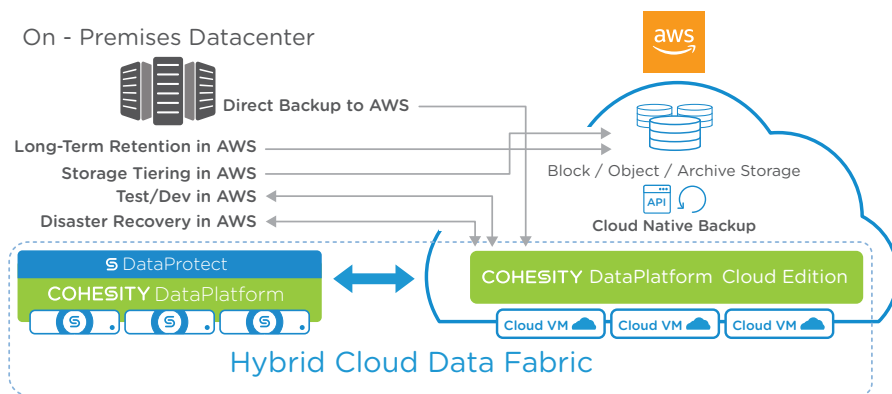


Cohesity and AWS

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.

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 joint solution supports several use cases:

Long-Term Retention in 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 blob storage as another tier. Tier data back to an on-premises cluster.

Test/Dev in 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 AWS cloud to support test/dev processes.

Disaster Recovery in 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.

Direct Backup to AWS: Cohesity CloudEdition can be deployed in 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.

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

“ 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

“ 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



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 in 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-prem Cohesity cluster to a Cohesity instance in the AWS cloud.
- **CloudEdition** - Deploy a Cohesity cluster in 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.
- NEW** • **CloudSpin** - Spin up on-premises VMs in the AWS 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 AWS cloud can be activated.
- NEW** • **Native API Integration**- Integrate with AWS snapshot APIs for native backup of cloud applications.

Conclusion

The Cohesity DataPlatform provides simple connectivity to the AWS 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 AWS for secondary data a reality.

About Cohesity

Cohesity makes your data work for you by consolidating secondary storage silos onto a hyperconverged, web-scale data platform that spans both private and public clouds. Enterprise customers begin by radically streamlining their backup and data protection, then converge file and object services, test/dev instances, and analytic functions to provide a global data store. Cohesity counts many Global 1000 companies and federal agencies among its rapidly growing customer base and was named to Forbes' "Next Billion-Dollar Startups 2017," LinkedIn's "Startups: The 50 Industry Disruptors You Need to Know Now," and CRN's "2017 Emerging Vendors in Storage" lists.