Cohesity on Amazon Web Services

Protect AWS data and extend backup, archival, and disaster recovery to hybrid cloud

Cloud has enabled agility and shifted costs to better match rapidly changing business environments. However, as cloud adoption proliferates it also introduces data silos from different data formats, locations, and new services. This only exacerbates the mass data fragmentation problem that started with multiple point solutions for legacy backup, storage, and data management infrastructure.

Cohesity solutions on AWS help eliminate mass data fragmentation and provides a consistent data management experience over hybrid cloud with a single data platform and UI. Cohesity’s software defined platform runs on and provides native integration with AWS cloud and AWS Outposts to consolidate data and infrastructure across AWS services. Cohesity also extends legacy on-premises environments to AWS for take advantage of scalability and the pay-as-you-go model of the cloud.

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,
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Use Cohesity for AWS to do:

**Long-Term Retention on AWS:** Cohesity can archive data to all Amazon S3 storage classes for long-term retention. Data is deduped and compressed, and is also indexed for fast granular search and retrieval back to on-premises from the cloud.

**Storage Tiering on AWS:** Extend on-premises Cohesity clusters to the cloud. Utilize policy-based thresholds to move cold data to AWS and use cloud storage as another tier. Data is automatically tiered back on premises upon access.

**Dev/Test on AWS:** Quickly spin-up data copies and VMs on Amazon EC2 and EBS from on-premises sources using CloudSpin. VM formats are automatically converted to ensure compatibility.

**Back up AWS Outposts:** Back up AWS Outposts and other on-premises workloads and archive data to Amazon S3 on AWS cloud. Remotely manage snapshot backups on AWS from on-premises.
Disaster Recovery on AWS: Enable disaster recovery on the AWS cloud with failover and failback capabilities. Replicate data from an on-premises Cohesity cluster to AWS to failover and failback on-premises when operations are restored.

Direct Backup to AWS: Cohesity can be deployed on AWS to back up applications running on 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 applications on EC2 and RDS running on AWS cloud or AWS Outposts with efficient snapshots APIs. Snapshot backups can be stored on Cohesity to maximize data reduction efficiency or snapshots can be stored directly on Amazon S3 and managed remotely from a Cohesity cluster.

Key Cloud Capabilities

- **DataPlatform™ for Cloud** – Deploy a Cohesity cluster on AWS. Enable replication from the datacenter to the AWS cloud and AWS GovCloud.

- **CloudArchive™** – Archive older backup data from on-premises to any Amazon S3 storage class for long-term retention. CloudArchive dedupe optimizes data stored on the AWS cloud.

- **CloudArchive™ Direct** – Archive file data directly to cloud to reduce storage costs and eliminate the need to store a full backup copy on-premises.

- **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.

- **CloudSpin™** – Spin up on-premises VMs on AWS for dev/test or DR. Automatically, replicate, convert, and spin up VMs on Amazon EC2 on-demand or using policy based scheduling.

- **Cloud Snapshot Manager** – use AWS snapshot APIs for native backup of cloud applications and store backups on Amazon S3. Snapshots can be managed remotely from an on-premise Cohesity cluster without the need for additional cloud infrastructure.

Conclusion

Cohesity is software defined and runs natively on AWS to protect cloud-native apps and when it’s deployed on-premises it provides simple connectivity to the AWS cloud as an extension of your data center infrastructure for long-term retention, tiering, disaster recovery, and dev/test as well providing protection for AWS Outposts.

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