

Chip Manufacturer Migrates from NetBackup to Cohesity to Protect 7PB of Data

INDUSTRY

Technology

USE CASE

Data Protection

COHESITY PRODUCTS

DataPlatform, DataProtect,
Cloud Archive

SOLUTION PARTNERS

HPE, WWT

OVERVIEW

This graphics processing chip manufacturer chose Cohesity as their new data management and data protection platform to leverage its high-performance, software-defined backup and recovery solution. However, they needed to quickly migrate off of their legacy Veritas NetBackup and determined their in house IT team didn't have sufficient bandwidth in the time required.

CHALLENGES

- Backups were taking too long causing business units to miss NAS backup windows
- In addition, the costs of running Veritas NetBackup continuously was very high
- An aggressive migration timeline requirement was required to avoid licensing renewal costs of their legacy Veritas NetBackup estate
- The customer needed to migrate 7+ PB from across four data centers
- Data migration needed to occur across multiple business units and source types simultaneously

SOLUTION

The customer engaged Cohesity Advanced Services due to their strict migration timeline requirement to avoid licensing renewal penalties. In addition, due to the large amount of data to be migrated and protected, they were attracted to Cohesity Advanced Services track record of successful large-scale deployments as well as onboarding their staff in Cohesity Best Practices.

The customer required a multi-staged deployment across four data centers to ensure no negative performance impacts occurred when migrating sources to Cohesity. The Cohesity Advanced Services team began the project using a prescribed migration methodology:

- Inventory and document current environment and customer data protection requirements
- Create a comprehensive architecture and solution design
- Implement data protection architecture on Cohesity
- Migrate data off of legacy sources and protect data on Cohesity
- Provide transfer of information (TOI) throughout project
- Create AsBuilt and standard operating procedure (SOP) documentation

HOW WE DELIVERED

The Customer had a requirement of migrating 7+ PB of data with a very aggressive timeline. The Advanced Services team architected a migration strategy that met the customers' timelines without impacts to current source infrastructure performance.

During the initial discovery, Cohesity Advanced Services analyzed 1200+ sources, and then created and executed a migration strategy with a schedule that ensured continued performance by optimizing the number of backups running at a given time.

The services team not only met the customers' aggressive deadline but also conducted daily customer education TOI workshops simultaneously throughout the engagement. This ensured the customer understood the migration workflow being completed and that all proper change management controls were being followed.

Another customer requirement was to move NAS backups to the cloud instead of tape. Using Cohesity Cloud Archive Direct to write data out to S3 allowed the backups to be indexed for simplified and automated recovery. As a result they are now meeting all backup windows realizing significant performance improvements.

Additionally, the customer's complex SQL environment – consisting of 500+ SQL databases, SQL Standalone, AAG, and FC – were writing backups to local servers, consuming primary storage, exceeding capacity and making for lengthy recovery times. Using Cohesity Adapter-based backups – instead of the legacy SQL dump-and-sweep method writing backups to local servers – our Advanced Services team worked with SQL DBAs and Storage Admins to redesign and implement backup procedures resulting in improved RPO and RTO and a more granular level of protection and recovery.

BENEFITS

- Met aggressive migration timeline while allowing local teams to continue to perform their day-to-day business activities
- Lowered annual expenditures significantly in both software licensing and power consumption
- Increased confidence in the backup process as their backups are completing reliably
- 8x faster to protect and recover in the event of data outage
- Significantly reduced network load because of incremental forever

WHY COHESITY ADVANCED SERVICES?

- Cohesity Advanced Services has performed many successful large and complex migrations in the past and has a highly skilled and experienced team
- Cohesity Advanced Services has direct engagement with Cohesity Support and Engineering allowing for quick resolution of customer issues or requirements
- Cohesity Advanced Services performs configuration and migration according to best practices

Learn more about Cohesity Support and Advanced Services at: <https://www.cohesity.com/support/>