COMMVAULT®

How five organizations saved time and money on cloud data migration

Commvault helps customers in pharma, healthcare, and manufacturing make a fast, flexible move to the cloud

The cloud data migration challenge: Move fast, spend less, and keep your options open

The cloud is more than just a place to put data and workloads. It can also be a decision accelerator, flexibility enabler, cost reducer, and business transformer.

Want to take advantage of big data analytics, AI, machine learning, IoT, and edge computing? What about creating an anywhere, anytime workforce?

Cloud data migration is your organization's path to the future. And the faster, the better.

With Commvault, cloud data migration is fast, secure, and simple. Automated tools let you move applications, databases, VMs, and large data sets to, from, and between clouds.

When you need to recover data, Commvault helps you meet demanding RTOs and RPOs at petabyte scale. All with a single, efficient toolset that works across your environment— Microsoft Azure, Amazon Web Services (AWS), Google Cloud Platform, and other public and private clouds, as well as on-premises.

In this ebook, you'll learn how Commvault has helped organizations across diverse industries save time and money on cloud data migration. Discover the flexibility to manage the technologies used today—and whatever tomorrow brings.

AstraZeneca

Any cloud flexibility meets zero RTO recoverability

AstraZeneca makes multi-cloud data migration fast, simple, and secure

The goal

Operating in more than 100 countries, AstraZeneca is a science-led biopharmaceutical company whose prescription medicines are used by millions of patients worldwide to treat cancer, cardiovascular disease, respiratory illness, and other ailments. The company's data environment is just as diverse and expansive as its therapeutic portfolio. By using a mix of Microsoft Azure, Amazon AWS, and Google Cloud Platform as well as on-premises data centers, AstraZeneca can choose the ideal cloud service and cost profile for each workload—and even use multiple platforms to support the same scientific study.

The challenge

For its multi-cloud strategy to work, AstraZeneca has to move its critical scientific data across environments quickly and easily, with fast recoverability.

The solution

AstraZeneca relies on an API-driven strategy for fast, flexible cloud data migration. Commvault APIs make it simple to move data across clouds and data centers. All with full visibility, security, governance, and recovery readiness.

Results

- Multi-cloud flexibility to choose the right platform at the right cost
- Fast API-driven data movement across clouds and data centers
- Real-time replication across data centers for zero-RTO recoverability

" For us it's all about driving economics between clouds, being able to have our data available on the best public cloud for that particular runtime. "

Scott Hunter, Global Infrastructure Services Director AstraZeneca

▶ **See the video** ›

Large–scale cloud data migration gets easier and less costly

University of Leicester moves and protects 1.6 PB—while saving £1 million

The goal

The University of Leicester is a leader in digital education for its nearly 17,000 students and a pioneering research organization in areas from cancer genetics to space exploration. To support researchers, educators, administrators, and students across its eight sites, the university must be able to move, store, protect, and use data cost-effectively across environments. .

The challenge

The university has complex cloud data migration needs. Its research initiatives and digital learning experience have already generated 6.5 PB of unstructured data and require 1,100+ VMs. Its Microsoft Azure environment holds 250 – 500 TB of business data. Additional files are moving to a 2.6 PB on-premises object storage environment via Amazon S3 connectors. Adding to the challenge, the university's data varies from millions of sub-1K files of satellite data to 100 TB file systems of genetics research.

The solution

Commvault helps the University of Leicester keep large-scale data protection simple and affordable. A deduplication rate of 98 percent has shrunk storage capacity requirements from 15 PB to 1.6 PB. Notably, Commvault deduplication saved the university £1 million over the past 10 years. Simpler administration has reduced staffing needs by 1.5 FTE. The full

backup window has narrowed from four weeks to just 36 hours. And with a 96 percent backup success rate, users across the institution can rest easy about the safety of their data.

Results

- 98% deduplication for £1 million/decade in hardware savings
- Simpler administration to reduce staffing by 1.5 FTE
- Full backups in just 36 hours — down from 4 weeks

> " A problem with data availability can have a catastrophic impact on a research study. With Commvault, we can protect huge volumes of data cost–effectively and efficiently. "

Mark Penny, Infrastructure Systems Specialist, University of Leicester

Read the case study >

See the video >

97 – 99% deduplication makes for fast, cost-efficient migration

Parsons Corporation simplifies its shift to a cloud-first strategy

The goal

Parsons Corporation delivers technology-driven civil engineering services in 26 countries through a workforce of 15,000 employees. The firm's shift to a cloud-first strategy allows it to modernize its infrastructure on Amazon Web Services (AWS). But as a technology provider for global defense, intelligence, and critical infrastructure markets, Parsons can't take chances with customer data. Data security, long-term retention, protection against cyber-attacks, and rapid recovery from regional disaster events are top priorities.

The challenge

Given the complexity and scale of the ever-growing Parsons storage environment — including hundreds of petabytes of data — migration costs and timelines could easily have spun out of control. The nature of its work made it critical to keep backups ready at all times. As a result, its on-premises-based infrastructure encompassed data centers around the world with databases, servers, and VMs with direct attached storage for Commvault backups to tape.
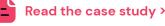
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Results

- 97 – 99% deduplication for lower network and storage costs
- Automation, deduplication, and compression for a faster migration to AWS
- Backups stored with eleven-nines durability across three availability zones

> **Moving into the cloud has been really simple.**

Ben Roper, Enterprise Backup and Recovery Specialist | Parsons Corp.

Read the case study ›

See the video ›

UCONN HEALTH

Simple cross-platform movement unlocks optimal cloud economics

UConn Health delivers its initiative under budget and ahead of schedule

The goal

Both a teaching hospital and an academic medical research center, UConn Health uses insights from the lab to improve outcomes at its inpatient and outpatient clinics. That means keeping huge volumes of data rapidly available for analysis as needed. Over time, its growing data center had led to rising costs and increased complexity. There were also recovery readiness challenges—like the time the organization was unable to restore months of ground-breaking research following a server failure. Instead of building a $20 million secondary data center, UConn Health opted for the cloud.

The challenge

To reap the full economic benefits of the cloud, UConn Health needs to move data easily across platforms. But migrating data to and across multiple clouds and locations can be a slow and costly prospect, and it can get in the way of rapid recovery. UConn Health needed a hardware-independent, platform-independent solution for its data migration challenges.

The solution

UConn Health used Commvault to make a fast, simple move to a new hybrid environment incorporating Microsoft Azure. Commvault flexibility made it possible to re-use the organization's existing storage arrays, massively reducing the migration cost. The flexibility to move and protect data across multiple platforms and locations lets UConn Health take advantage of shifting prices — lowering its average cost per

cloud server by around 20 percent. Virtualizing and backing up non-secure applications before shutting them down in production helped speed the migration of its sprawling on-premises environment.

Results

- $400,000 savings due to migration running six months ahead of schedule
- 85% lower storage costs for 1.75 PB of research data
- 20% lower average server costs through simpler cross-platform migration

> " We planned for an 18-month project but are currently running six months ahead of schedule, which has saved us around $400,000 in licensing costs for our legacy backup solutions. "

Michael Catrini, *Assistant Vice President*
UConn Health

Read the case study ›

Fast, seamless disaster recovery and a fast move to cloud

Emirates Steel migrates massive workloads without putting data at risk

The goal

Emirates Steel, the largest industrial conglomerate in the United Arab Emirates, plays a critical role in the country's economic development and diversification. Its steel has already been used in iconic construction projects like the Burj Khalifa, Etihad Towers, and Yas Island. As its data volumes grew in tandem with the ongoing real estate boom, the firm needed to rethink its storage and backup approach. A new Microsoft Azure data center offered a better way forward.

The challenge

Emirates Steel was eager to take advantage of the full range of Microsoft 365 cloud services, including Office 365, SharePoint Online, OneDrive, and Exchange Online. But to make the move without putting its business at risk, the firm needed a backup solution built for cloud and on-premises environments.

The solution

With Commvault, Emirates Steel has made the move to cloud services without putting data at risk. With live syncing of virtual servers and databases and built-in disaster recovery orchestration, Commvault enables fast, seamless backups. Workloads can be moved seamlessly among on-premises and cloud platforms with full data protection.

Results

- Easy workload migration from on-premises to cloud or cloud-to-cloud
- Fast, seamless backups at vast scale
- Built-in disaster recovery orchestration for rapid recovery

> "When you talk about data readiness, it's all about knowing your data. You can move all the workloads seamlessly from the on-premises to cloud or cloud to cloud. Commvault has great functionalities of how to use your protected data in an efficient way."

Mohammed Azam, IT Infrastructure Head
Emirates Steel

▶ **See the video ›**

COMMVAULT ◈ | Be ready

Make your move

Explore how Commvault can help your cloud data migration projects.

Calculate your potential cost savings with the cloud data protection value calculator:
commvault.com/value-calculators

Answer your cloud data protection questions with a detailed cloud backup FAQ:
commvault.com/cloud-backup-faq

Discover how streamlined, fast, and secure your cloud data migration can be. Learn more at **commvault.com/cloud-data-migration** ›

COMMVAULT® | Be ready®