

FASTER, MORE ECONOMICAL HYBRID-CLOUD BACKUPS

IT service leader boosts data protection for Amazon Web Services workloads



IT services

U.S.

Business needs

DXC Technology's clients required better performance and scalability of backups performed in the cloud and also had to accommodate steadily growing data volumes. Traditional backup approaches could not meet these needs.

Solutions at a glance

- [Dell EMC Data Protection Suite](#)
 - [Dell EMC Data Domain Systems](#)
- [Converged Infrastructure](#)
 - [Dell EMC VxBlock Systems](#)

Business results

- Supports up to 1,000 concurrent backup data streams, 10 times more than the best competitor
- Provides the flexibility to meet clients' data-protection requirements with the right backup strategy
- Simplifies data protection with consistent backup approach in public and private clouds
- Enables policy-driven backup management in compliance with regulatory standards for data management and protection

Performs full backups in

20min

instead of 10 hours
and enables restores
in 20 minutes



Reduces hardware
required for backups by
as much as

97%

greatly reducing
costs



For many enterprises today, digital transformation is a driving force for innovation and competitiveness. Whether it's a manufacturer seeking faster production or a retailer focused on squeezing out additional margins, businesses are looking to automation and the Internet of Things (IoT) to streamline operations, expand customer touchpoints and lower costs.

Adopting a hybrid-cloud strategy is often central to digital transformation. DXC Technology, the world's leading independent, end-to-end IT services company, partners with its thousands of clients to make this happen. A powerhouse in IT services—with 128 strategic delivery centers and client-facing data centers worldwide—DXC is eminently qualified to provide confident guidance to firms in their digital transformation journeys. DXC serves nearly 6,000 private- and public-sector clients in 70 countries. The company provides private-cloud consulting and operations, as well as public-cloud solutions. DXC also is a top-tier strategic partner of Amazon Web Services (AWS).

As the data volumes of DXC Technology's clients grew, they needed backup functionality to be more scalable and provide higher performance. Traditional backup approaches did not allow this, but in the cloud it became possible. In response, DXC evaluated alternative solutions and ultimately chose Dell EMC Data Protection software and storage.

Using the Dell EMC Data Protection Suite, DXC delivers fast, efficient and cost-effective data protection to its clients, whether they are backing up to public clouds hosted by service providers or private clouds.

Broad spectrum of supported environments

DXC uses the Dell EMC Data Protection Suite to back up a wide range of client data to Dell EMC Data Domain systems. The service provider hosts clients' private clouds on Dell EMC VxBlock Systems.

Client operating environments and applications protected by the Dell EMC Data Protection solution include Windows and Linux environments, both physical and virtualized with VMware vSphere and Microsoft Hyper-V, as well as Oracle, DB2, Microsoft SQL Server, MySQL, SAP, Epic and numerous others.

“DXC has yet to find a data protection solution that measures up to the scale and cost-effectiveness of Dell EMC Data Protection software.”

Patrick O'Brien
Offering Manager, DXC Technology

Fast, efficient and
cost-effective

data
protection



Reducing costs

by applying the right software functionality to solve each client's special requirements



“The great thing about Dell EMC Data Protection software is that we can apply the right software functionality to solve each client's special requirements.”

Patrick O'Brien
Offering Manager, DXC Technology

Reduced costs for cloud-based backups

The Dell EMC Data Protection Suite provides DXC with flexibility to match the right backup strategy to clients' diverse data protection requirements. Some clients may need extremely high-speed backups for their critical Oracle databases, while less critical applications may only require traditional backups.

Patrick O'Brien, DXC offering manager, says, “The great thing about Dell EMC Data Protection software is that we can apply the right software functionality to solve each client's special requirements. And, we can do that efficiently and cost-effectively.”

For example, one client with data and applications had regulatory requirements for long-term data retention on tape. DXC used the Dell EMC Data Protection software to help the client improve efficiency and compliance.

“With Dell EMC Data Protection software, we provide in-cloud protection for Amazon workloads,” O'Brien explains. “With deduplication enabled by Dell EMC software, we further minimize data moved to our private cloud when writing to tape. This multi-tiered strategy allows clients to take advantage of the workload capabilities of Amazon-hosted services, while achieving compliance with complex regulatory and retention requirements.”

Data protection mobility across hybrid clouds

DXC gained greater agility to move client applications from AWS to its private cloud, or vice versa, while maintaining a consistent backup process. Previously, any time an application moved between private and public clouds, the backup approach and interface changed. This was disruptive and time-consuming for DXC's clients.

“Before, the way we protected public-cloud workloads was different from how we protected private-cloud workloads,” says O'Brien. “Now, with Dell EMC Data Protection

software, we have one common solution regardless of where we back up our clients' data. It gives us data protection mobility, which simplifies life for users and greatly reduces the risk of backup errors or failures."

Huge performance boost with less hardware

By using Dell EMC Data Protection software, DXC also solved scalability and performance problems. Public-cloud solutions could be limited to 64 concurrent backup streams, which became a major constraint as DXC clients grew. In contrast, Data Protection software can handle 1,000 concurrent streams—10 times more than Dell EMC's closest competitor.

Because Dell EMC Data Protection solution does not require media servers, DXC reduced the backup-related hardware by 97 percent while dramatically improving performance. One client reduced backup time for a large Oracle environment from 10 hours to 20 minutes. DXC proved that the backup was sound by also restoring the data in 20 minutes.

"We can scale much more linearly and get the performance we need with a fraction of the hardware required by our previous solution," notes O'Brien. "That helps DXC lower costs, which we pass onto our clients as well."

O'Brien adds, "DXC has yet to find a data protection solution that measures up to the scale and cost-effectiveness of Dell EMC Data Protection software."

"With Dell EMC Data Protection software, we provide in-cloud protection for Amazon workloads."

Patrick O'Brien
Offering Manager, DXC Technology



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