



CUSTOMER STORY



NDOT

Nevada Department of Transportation can expand public safety initiatives by selecting Commvault® Cloud to simplify backup operations and accelerate cloud transformation.



ABOUT NDOT

Originally established in 1917 as the Nevada Department of Highways, Nevada Department of Transportation (NDOT) has grown to be responsible for the planning, construction, operation, and maintenance of the state's highway system. Headquartered in Carson City, each of NDOT's oversight districts are responsible for supervising all state transportation activities within their local jurisdiction: Las Vegas, Reno, and Elko. The department also oversees partner projects such as the Adopt-a-Highway program and maintaining State Historical Markers.

CUSTOMER CHALLENGE

As a government agency, NDOT is responsible for managing 5,400+ miles of highway and 1,000+ bridges for the state. At the same time, their IT team is tasked with maintaining a laser focus on data security and business continuity and driving efficiencies through cloud transformation. Cloud transformation is significant to NDOT, bringing increased flexibility, scalability, and interoperability to serve the public better and connect with other state agencies for nationwide initiatives.

Challenges

- Need flexible backup solution with breadth of coverage to migrate on-prem data, VMs, and applications to Azure and adopt Microsoft 365
- Comprehensive cyber resilience and security to safeguard data against ransomware and meet compliance requirements
- Simplify administration and free up resources needed to manage backup and restore operations
- Increase reliability required for backup and recovery to avoid costly downtime

Solution

- Scalable SaaS-delivered cyber resilience for applications and VMs across on-prem and cloud environments
- “Fire and forget” solution that’s easy to set up and use with on-call support
- Single pane of glass management and reporting, including security insights for ransomware protection
- Easy expansion to add Microsoft Office 365 data security with a SaaS-based model

Results

- Moved 350+ on-premises virtual machines to the cloud with Commvault
- Gained scalability and flexibility needed to make data available for public initiatives
- Reduced time required to manage operations by over 50%
- Ongoing savings on resources, hardware costs and reliability, and ransomware protection
- A unified platform to move, manage, and recover data across on-premises, hybrid, and cloud locations
- Increased data security and protection to move workloads to the cloud with ransomware protection and insights
- Resources freed up to do more value-based work for NDOT

At the same time NDOT was moving to the cloud, they needed to ensure continued cyber resilience of on-premises workloads—and do it all securely, protecting against the growing threat of ransomware and meeting compliance.

“As an organization, we serve a multitude of customers. From truck drivers to highway patrols, daily commuters, news channels, businesses, and other state agencies, people rely on us for the public safety of our roads and any information relating to Nevada’s transportation system. Without our ability to share public safety information and protect sensitive data, the public wouldn’t know what’s happening with our roads.”

A few years prior, a solution switch-up took them off Commvault’s platform, and they quickly realized the new solution would not meet their needs. Jeffrey Day, Systems Team Supervisor at the State of Nevada, recalls, “We were persuaded to switch from Commvault to another solution five years ago with promises of the alternative being bigger, better, and stronger. But when we went with it, we found nothing was true. The solution demanded more attention and team hours than Commvault ever had.”

The new solution needed to meet compliance requirements and help them achieve their cloud goals. Day-to-day data backup operations demanded many hours and resources from NDOT’s IT team to manage. In addition, NDOT didn’t want to rely on hardware and onsite storage. **NDOT was looking for a more straightforward, more streamlined solution that is easy to use—one that was flexible for their cloud journey while helping them reduce the workload on their IT team.** They were looking for a solution that would make their transition to the cloud easier while providing ransomware protection for their data backups.

THE SOLUTION

Returning to Commvault after a five-year absence, NDOT chose Commvault Cloud to seamlessly protect virtualized environments along their hybrid cloud journey—both on-premises and in Microsoft Azure—while simplifying management and bolstering ransomware protection. The department achieved 100% compliance with their backups while achieving a significant cost reduction. Commvault’s

SaaS-based cyber resilience solution for Microsoft 365 gave NDOT exactly what it sought and reinforced the drastic performance differences between Commvault and other vendors.



We now have the ability to migrate virtual machines to the cloud. We can migrate virtual machines down to our on-premises environments. We can easily restore to our Azure environment, which is where we're moving currently.

Jeff Day

IT Security Analyst 3, Information Technology Division for NDOT

With a single interface managing data across on-premises and cloud locations, Commvault meant that NDOT no longer had to rely on purchasing multiple products to achieve the same results. This let NDOT managers ensure no data was overlooked and eliminated operational complications. It was indeed a "fire-and-forget" implementation with a streamlined user interface. Commvault Cloud delivered comprehensive, reliable cyber resilience, data security, and ransomware protection to empower NDOT to accelerate its journey to the cloud.

THE RESULTS

NDOT now has its most critical data, 350+ virtual machines, local environments, and Microsoft 365, protected and backed up to the cloud with Commvault. By choosing Commvault Cloud, NDOT has gained the scalable data security and cyber resilience needed to accelerate the organization's cloud initiative.

50% reduction in
time required for
backup operations

25% reduction on
infrastructure
costs

\$100k annual TCO
savings

"Commvault lets us consolidate our backups to a single solution. So, as we move our infrastructure, we now can migrate virtual machines to the cloud, and we can also migrate virtual machines back down to our on-premises environments," Jeff Day noted. "This gives us flexibility and scalability—and we aren't locked into one specific restore location."

NDOT has also strengthened ransomware protection with insights that help spot risks and reduce threats with Commvault. "As we see more and more organizations ending up with security breaches, it's not just about running backups anymore. It's about what hackers will do when they come in," Jeff Day noted. "Commvault Cloud runs ransomware checks to ensure our backups are clear. And if we ever find a vulnerability on-premises or in our virtual machines on Azure, we know that if we restore from Commvault, we will be clean of those vulnerabilities."

At the same time, NDOT has enjoyed great savings on hardware, reducing infrastructure costs by at least 25%. Those resources are now used to focus on new initiatives that need the team's attention in addition to the staff hours saved.

By implementing Commvault Cloud, NDOT can securely move to the cloud to modernize the organization's infrastructure, increase interoperability with other state agencies, and better serve the public. Commvault has brought the simplicity, security, and savings NDOT sought to solve the organization's challenges.

To learn more, visit commvault.com