



CASE STUDY · KELYN TECHNOLOGIES & THE MISSILE DEFENSE AGENCY (MDA)

16 TB restored in 16 hours, for the Missile Defense Agency.

Data protection is paramount in our digital age. For U.S. defense agencies, the security, backup and swift recovery of data can have national security implications. Enter KELYN Technologies, specialists in safeguarding critical data.



16 hours

to restore 16 TB of file server data, down from 3+ days

78%

faster restores: 16 hours vs. 72+

6 weeks

to migrate platforms, vs. a typical 6–12 months

2 FTEs

freed from managing backup for other projects

THE CHALLENGE

A platform that had become an impediment.

MDA initially relied on Veritas NetBackup and found it increasingly unwieldy. It needed two full-time employees to manage, and with a dated user interface the software had become an impediment. MDA needed an efficient, streamlined solution that would inspire confidence in swift data restoration.

Meeting MDA's requirements is no easy task: backup and restore readiness for massive amounts of file and block storage (petabytes across multiple sites and security domains), hundreds of hosts, thousands of ESXi objects and thousands of virtual machines across bare metal and cloud. MDA's strict security needs require the solution to work seamlessly across dozens of security domains, with extremely fast restores when needed.

ABOUT

Two organizations, one mission.

KELYN Technologies

At the forefront of data protection, backup and recovery, KELYN has built a reputation for trusted services tailored to many industries' unique challenges, with a customer-centric approach backed by a fleet of KELYN engineers and certified technical professionals.

Missile Defense Agency (MDA)

An arm of the U.S. Department of Defense, MDA is responsible for developing a multi-layered defense against ballistic missiles. With roots in the 1983 Strategic Defense Initiative, the agency works continually with other defense components to strengthen its capabilities.

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THE SOLUTION

KMDS, built on Commvault.

After rigorous evaluation, KELYN deployed KMDS (KELYN Managed Data Services) for MDA's on-premises storage, backup and disaster recovery. Built on Commvault's enterprise backup and recovery software, KMDS addressed the immediate challenges and scaled for future needs.

As MDA began to use cloud storage, KELYN supported that too with datastor.io, which also runs on Commvault. Moving data, especially into the cloud, is a heavy lift and can be expensive; Datastor and Commvault make data agnostic across environments, so it moves easier, faster and at lower cost. The collaboration grew into helping MDA move data storage and recovery to AWS's secure cloud.

RESULTS

Beyond swift implementation, KELYN's solution has proven its resilience and efficiency again and again. The deep technical skill of KELYN engineers brings industry best practices that save MDA both time and effort.

“We require a lot when it comes to restorations. When these events occur, the team is under non-stop pressure internally to successfully complete the restore as fast as possible. Our last restoration included 16 terabytes of file server data, and KELYN delivered in 16 hours. Previously, a similar restore took over three days. The speed of restoration by KELYN is extremely valuable and greatly appreciated.”

MICHAEL BAYRON · SENIOR STORAGE ENGINEER, MDA

MODERNIZATION AND THE CLOUD

Moving further to the cloud.

With an eye on the future, KELYN is working with MDA to move more backup and recovery to the cloud. Datastor delivers rigorous data protection, combining Commvault's capabilities with AWS's scalable cloud storage, all under the watch of KELYN's certified engineering teams.

“Working with KELYN has been phenomenal. Our relationship with KELYN not only freed up more FTE so that the IT staff can focus on other projects and duties but gave us a solution that is easy to handle, easy to navigate and easy to implement and restore quickly.”

MICHAEL BAYRON · SENIOR STORAGE ENGINEER, MDA

HOW IT WORKS

Managed, and fast.

Innovation

KELYN's managed service model delivers unparalleled restore speed and precision. The fully managed service works seamlessly with MDA's internal IT team, so KELYN proactively manages backup and storage and MDA IT staff can focus on other tasks.

Implementation

Migrating from an old backup and recovery platform can take other organizations 6–12 months. KELYN did it in 6 weeks, without sacrificing quality, and proactive management freed MDA IT staff for other pressing tasks.

CONCLUSION

Peace of mind in recovery.

In an era where data is as valuable as gold, KELYN sets the standard for data protection. Ongoing collaboration strengthens MDA's backup and recovery through specialized expertise, continual technology updates and superior customer service, so the agency can focus on its core mission.