



Faster VMware backups and database protection.

Modern, easy-to-manage data protection provides speedy, reliable backups and protects critical databases in record time, enabling Scripps Health to focus on innovating for better patient care.



Healthcare provider

United States

Business needs

Scripps Health was struggling with long backup windows and failed jobs. They wanted a data protection solution that would provide efficient nightly backups of approximately 4,000+ VMware VMs with 'set it and forget it' monitoring and management. Additionally, they needed to provide their DBAs with faster backups for critical SQL databases.

Solutions at a glance

- [PowerProtect appliances](#)
- [DD Boost for Microsoft SQL](#)
- [Data Protection Suite](#)
- [VMware](#)

Business results

- Accelerates protection of critical SQL databases
- Backs up 4,000+ VMs nightly in 10-12 hours
- 200x deduplication/compression ratios
- Facilitates compliance with Epic requirements for secondary share location

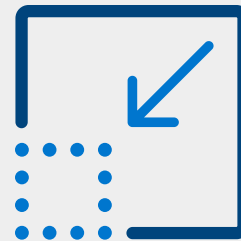
4000+

VMs backed up nightly in 10-12 hours



200x

deduplication/compression ratios



With five hospitals and 28 outpatient facilities serving 700,000 patients annually, Scripps Health is one of the major providers of health services, as well as one of the largest employers, in San Diego County, California. To meet their mission of providing the best possible service to their community, they are driving innovation in their IT environment.

“Dell EMC Data Protection Suite was just the most efficient and cleanest product in backing up our VMware environment.”

Hector Aguirre,
Enterprise Architect,
Scripps Health

“Scripps is currently in a big push to do a digital transformation,” says Hector Aguirre, Enterprise Architect for Scripps Health. “We’re working on stabilizing and transforming our environment so that when the business side comes to us, we can provide them with the proper technology for their solutions. We see it as driving ourselves for excellence in providing better care.

“Being a health provider, we’re a heavily regulated industry. And we have our challenges, especially when it comes to data retention: Maintaining the data integrity for long periods of time; seven years, 10 years, depending on the regulatory requirements. And,

obviously, we’re all having a large data explosion, right? It’s only getting larger and those retentions are starting to become a challenge.”

Using Veritas NetBackup, Scripps routinely encountered backup windows between 18 and 26 hours with multiple failed jobs. To remedy the situation, they focused on finding a better data protection solution.

Prescription for Change

“We looked at Cohesity, our incumbent Veritas, and a few others,” says Aguirre. “Based on the POCs that we ran and the feature sets, we felt that Dell EMC Data Protection Suite was going to be the best solution. And it has been. We’ve been running it for the past year. We have had a great success with our backup infrastructure meeting our SLAs, our backup windows for our VMware environments.

“We liked Dell EMC Data Protection and the way it integrates with VMware. It seemed to be the best fit for us, being a heavily virtualized environment.

“We are leveraging DD Boost to accelerate our protection of these critical databases... It’s being done in record time.”

Hector Aguirre,
Enterprise Architect,
Scripps Health

Dell EMC Data Protection Suite was just the most efficient and cleanest product in backing up our VMware environment. It's much more integrated with VMware than some of the other competitors we were evaluating."

Scripps chose Data Domain appliances for their primary data center in San Diego and their disaster recovery site in Phoenix. They replicate their backups to the Phoenix site to meet requirements for off-site backup.

"Protecting close to 4,000+ VMs on a nightly basis averages 10-12 hours with Data Domain."

Hector Aguirre,
Enterprise Architect,
Scripps Health

Pain-free Installation and Implementation

"Installation and implementation were fairly painless," says Aguirre. "We leverage Data Protection Central and Data Protection Advisor for reporting, but it's mostly managed directly from the Data Protection Suite management console. Once we implemented Data Protection Suite, we were able to set it and forget it. It runs every night and we're able to successfully meet our SLAs. We've seen great improvement in the speed of backing up the data. It used to take 18 hours

or longer – sometimes more than 24 hours. Protecting close to 4,000+ VMs on a nightly basis averages 10 to 12 hours with Data Domain. We're also getting much higher efficiencies on our Data Domain. We're seeing upwards of 200:1 deduplication/compression ratios.

"Dell EMC Data Protection Suite has been one of the easiest and least complex backup solutions that I've worked with in my career. Once you configure the environment, it's just a matter of monitoring it."

Critical Workloads Protected

Scripps's VMware workloads include applications, SQL and Epic web workloads, as well as unstructured data being backed up via NDMP and SQL directly writing to Data Domain, leveraging Data Protection Suite.

Says Aguirre, "Epic requires a secondary share location that's not in the same infrastructure. It's what Epic calls a web log where files are stored. In our case, they're primarily stored in our Isilon. But in order to meet Epic requirements, we set up the secondary share on our Data Domain. We specifically leveraged Data Domain for this use case.

"We're also getting much higher efficiencies on our Data Domain. We're seeing upwards of 200:1 deduplication/compression ratios."

Hector Aguirre,
Enterprise Architect,
Scripps Health

“The ability to restore our VMs or files within the VMs is greatly accelerated by the Dell EMC Data Protection Suite solution, far beyond what we had before. I can definitely say that implementing the Data Protection Suite has allowed us to recover in the cases that we’ve had failures and disasters. We’ve been able to successfully and confidently restore our data.”

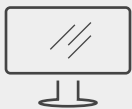
DD Boost Provides Fast Protection for Critical Patient Data

“Our Cogito and Clarity databases are quite large,” says Aguirre, “and it’s been a challenge for our SQL DBAs to back them up using traditional methods. So, they reached out to me and we were able to implement DD Boost for SQL. Now we are leveraging DD Boost to accelerate our protection of these critical databases, which otherwise it would take hours to protect. Now it’s being done in record time.

“In these challenging times, it’s critical that we are able to protect our environment’s data. We are the ones protecting our patients’ data and it’s extremely crucial that we’re able to safeguard it and protect it so that in case of a disaster or an event we’re able to have that data readily available – keep the business available, keep our frontline health workers providing services to our community.”

Key to Innovation: A New Resiliency

Aguirre concludes, “Our Dell EMC Data Protection solution has helped us innovate by being able to ensure the business that we’re protecting their data and it’s allowed us a resiliency that we didn’t have before. We vetted the solution quite heavily and, a year in, we’re just very happy with the way it has performed. It handles the backing up of VMware very efficiently. We’re able to concentrate our efforts on providing better solutions for the business because we don’t have to think about our data being protected, it is being protected. Its success is the key.”



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