



Desired outcomes:

- Replace aging Dell EqualLogic solution
- Live site-to-site replication
- Zero downtime during maintenance and upgrades
- Improved disaster recovery plan
- Upgrade SAN performance and throughput

Case Study: Manufacturing

Optio Data was able to meet the customer's goals with a solution that allows for routine maintenance updates in a 24x7 facility with zero downtime.

Technologies used in the solution

- VMware
- Dell Compellent Remote Instant Replay and Live Volume
- Dell Blade Solution
- 10/40GbE Dell Blade Switching

Problem and Action Taken

A manufacturing company that was reaching end of support with EqualLogic, was looking for a new storage solution. Their facility operates 24x7 and demands zero downtime. Their lack of maintenance windows prevented them from performing routine updates and upkeep. With two data centers on the same campus, the manufacturing company had the ability to leverage advanced features within VMware and Compellent to create an environment that has little to no planned downtime.

Optio Data recommended a combination of Dell Compellent Live Volume and VMware vMotion to meet the customer's

24 x 7 production demands. Live Volumes utilizes synchronous replication to create a storage hypervisor across multiple arrays. This allows a single LUN to be presented to a cluster in each data center, which enables vMotion capabilities across the campus. The combination of replication, Live Volume, and vMotion allows the customer to seamlessly move all of their workloads between data centers without any downtime.

Customer Result

The manufacturing company nearly broke a record in steel production with continuous operation and zero downtime. They also went from three racks of hardware to half a rack.

"We are so very proud to be production leaders in our industry. You should know that Optio Data had a part in helping meet this goal with the advice and planning you offered, products you sold us, and the expertise to install and insure its proper function."