ZONES™

Hyperconverged Infrastructure

Zones designed and implemented a streamlined and cost-effective hyperconverged data center for a major US hospital group.

A large hospital group in the southwestern United States was in the midst of their digital transformation when they began looking to migrate their data to hyperconverged infrastructure (HCI). They were using a legacy on-prem environment that was no longer costeffective or equipped to handle the client's data. As a healthcare provider, the client always had thousands of critical workloads that had to be accessible so they couldn't afford any downtime in their migration. Zones performed a series of fact-finding assessments to determine the right HCI solution for the client and settled on Dell EMC VxRail. Thanks to Zones' expertise, the solution was complete in the with no downtime time frame required. It's a streamlined, easy-to-use environment that reduced the client's total cost of acquisition reduced by 11% and total cost of ownership reduced by 24%.

CHALLENGE

- The client was looking to migrate their data center from a legacy on-prem environment to a scalable hyperconverged solution.
- The legacy data center contained thousands of missioncritical Medical workloads that needed to be moved to the new solution with no downtime.
- The client expected turn-key migration services for VDI, general compute, and mission-critical workloads.

SOLUTION

- To effectively establish a case for going to one platform vs. another, robust fact-based analytical methodologies and approaches were used.
- Using information gained from the assessment, Zones data center engineers built and configured a hyperconverged solution using Dell EMC VxRail, VMware vSphere, and VMware Horizon.
- To aid in knowledge transfer, Zones designed best practices documentation and led several environment walkthrough Q&A sessions.

RESULTS

- All mission-critical workloads were migrated to the solution with zero downtime. The client has reported only six minutes of downtime total in the past year.
- The new solution can easily scale to support thousands of VDI users.
- Easy-to-use lifecycle standard automates all firmware and software upgrades and updates.
- The total cost of acquisition was reduced by 11%, and the total cost of ownership was reduced by 24%.

Consider IT done.   Visit **zones.com** or call **800.408.ZONES** today.

THE CHALLENGE

The client is a major hospital group based out of the southwestern United States. While they were making good progress on their digital transformation, they were unsure how to modernize their data center.

At the time, the client used a legacy on-prem center that was slow, unwieldy, and expensive to maintain. But due to the nature of their role as a healthcare provider, their center held sensitive information they needed access to at all times. They were looking for a partner who could implement a modern environment with no downtime since otherwise they would be stuck with the legacy system.

THE SOLUTION

The client reached out to Zones with their challenges. Zones offered to perform an infrastructure assessment to gauge which platform would suit the client's needs the best and whether the migration could be completed with zero downtime. Using the information gained from the assessment, Zones identified best practices and custom methodologies to move the client's workloads from legacy hardware and software to an updated, secure, and stable platform.

Zones data center engineers built and configured a highly resilient HCI configuration utilizing Dell EMC VxRail, VMware vSphere, and VMware Horizon. This solution was made to the client's specifications with the expectation that it would migrate all mission-critical workloads with no downtime. In addition, the streamlined and agile new environment should see significant time and cost savings.

Lastly, Zones designed best practices documentation to aid in knowledge transfer and led several environmental walkthrough Q&A sessions. These sessions helped integrate help desk best practices into the new systems. Zones also merged the client's then-current help desk into a system that supported newly integrated products and software.

> " The client was appreciative of Zones' assessment and transformation support in migrating thousands of mission-critical medical workloads to efficient and cost-effective HCI. "
>
> *Solution Architect,*
> *Zones*

THE RESULTS

Zones was able to successfully migrate all mission-critical workloads to the new environment with zero downtime. Since the solution was implemented, the client has only reported six minutes of downtime per year, a significant reduction over their previous legacy data center. The new solution is much more scalable and easier to use; it automates all firmware and software upgrades and updates and can scale to potentially support thousands of VDI users. It has also resulted in a total cost of acquisition reduction by 11% and total cost of ownership reduction by 24%.

11% reduced total cost of acquisition

24% reduced total cost of ownership

4.6 x quicker development time