



THE CITY OF WENATCHEE

The City of Wenatchee Accelerates Data Center Modernization with Dell Technologies VxRail

About the City of Wenatchee

Renowned as the Apple Capital of the World, Wenatchee is the county seat and largest city of Chelan County, Washington. With nearly 200 city employees dedicated to serving over 35,000 citizens, businesses, and visitors, the City of Wenatchee relies on cost-effective technology solutions for efficient governance, enhanced operational excellence, and sustainable development.

The Challenge

To strengthen security, boost reliability, and streamline administration, the City of Wenatchee embarked on an initiative to modernize its data center. The City needed a scalable, flexible, high-performance solution to drive its critical infrastructure from the data center to the edge.

The City enlisted its trusted technology partner, Cerium Networks, to help accelerate its data center modernization. Together, they assessed the City's current environment and clarified the business objectives for the data center upgrade. They determined a hyperconverged infrastructure (HCI) solution combining the elements of a traditional data center: storage, compute, networking, and management was an ideal option to fit the City's current needs and ensure their data center was ready for the future.

They investigated turnkey HCI solutions that would support the City's VMWare environment and integrate seamlessly with their existing infrastructure while streamlining operations and protecting the integrity of their data. VxRail from Dell Technologies, the market leader in HCI platforms, offered the fastest and easiest path to transform City operations and modernize their data center infrastructure.



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The Solution

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Results

- Seamless integration with the City's VMware vSphere and vCenter Server to provide industry-leading performance and ease of management.
- Easier oversight and single-source support.
- Simpler and faster monthly updates to vCenter

Dale Cantrell, Information Systems Director for the City of Wenatchee, talked about the City's motivation for adopting VxRail, "We needed to move from our blade server and SAN environment. We considered multiple hyperconverged infrastructure options from Nutanix, HP, and Dell and determined Dell VxRail was the way to go. We are a VMWare shop, and we believed that VxRail's tight integration with VMWare made it the ideal choice." Dale also talked about working with Cerium Networks, "After speaking with several Dell vendors, we believed Cerium understood what was best for us. They were the only vendor to show us how we could get the performance we needed while saving money on the software."

The Solution

Jointly engineered with VMware, VxRail delivers hyperconverged architecture on a flexible platform that enables compute and storage to scale independently, offers a simplified operating model, and the ability to address almost any workload. Designed for mission-critical workloads, VxRail is built on Dell's next-generation PowerEdge servers for enhanced performance with built-in redundancy delivering 99.9999% availability. The deep integration with VMWare combined with the simplicity of VxRail HCI System Software and the performance of next-generation PowerEdge servers provides an ideal platform for the City's data center modernization.

Data center infrastructure is not one-size-fits-all. Fortunately, VxRail has the flexibility to meet just about any need. It offers a wide range of compute, memory, storage, network, and graphics configurations. Working closely with Dell experts, Cerium designed the optimal VxRail Hyper-converged platform to power the City's applications and workloads. The pre-configured, pre-tested VxRail appliances made it quick and easy to stand up a fully virtualized VMware Software-Defined Data Center (SDDC) integrated with the City's existing systems and processes.

Results

VxRail integrates seamlessly with the City's VMware vSphere and vCenter Server to provide industry-leading performance and ease of management. It offers the City of Wenatchee easier oversight and single-source support. VxRail can scale from small to large workloads, provides network flexibility, and operational agility at a reduced cost.

Scott Lieberg, Network Administrator for the City of Wenatchee, talked about some of the benefits he sees from VxRail, "We can put hosts in maintenance mode much faster than before, and updating vCenter is much simpler. It used to take me from 6:00 pm to 1:00 or 2:00 in the morning to perform monthly updates for 35 to 40 servers. Now I can start at 6:00 and update all 60 servers before 11:00 pm."