



CORONA-NORCO UNIFIED SLASHES POWER AND SPACE FOOTPRINT FOR VIRTUAL STORAGE WITH THE NEXSAN E60

Facing dynamically growing volumes of data, the Corona-Norco Unified School District needed to consolidate its virtual storage and data protection environment for better management, infrastructure efficiency and cost control.



CASESTUDY

CUSTOMER OVERVIEW

The Corona-Norco Unified School District is located approximately 45 miles southeast of Los Angeles in western Riverside County. The large district has 31 elementary schools, seven intermediate/middle schools, five comprehensive high schools, a middle college high school and three alternative schools. With an enrollment of over 53,000 students, it is the largest school district in Riverside County and the tenth largest district in California.

BUSINESS SITUATION

With mounting volumes of data to protect, the Corona-Norco Unified School District was increasingly concerned with its existing Fibre Channel-based storage infrastructure and associated high cost per terabyte. The school district needed a more cost effective way to provide virtual storage for production data in their VMware environment as well as secondary storage for backup and disaster recovery. Compounding the challenge was the district's need to optimize depleting rack space while lowering overall power consumption to further reduce costs.

With vital school production data to securely store, such as Exchange email and district databases, the IT staff for the Corona-Norco Unified School District began to seek an iSCSI-based solution that would conserve power and rack space while offering the enterprise-class performance and reliability they needed.

"With data center space at a premium, storage system density is also important to us," said Brian Troudy, Network Manager, Corona-Norco Unified School District. "The Nexsan E60™ offers 60 drives in a mere 4U of rack space, which provides much greater density compared to alternatives. Furthermore, we can populate the system with a mix of SAS and SATA drives to align storage performance with application requirements."

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The E60 is a powerful system that is ideal for our multi-purpose storage environment. We have always been impressed by their price, ease of use and power savings capabilities."

BRIAN TROUDY

NETWORK MANAGER: CORONA-NORCO UNIFIED SCHOOL DISTRICT

ENVIRONMENT

- 64TB of storage, expandable to 180 TB in a single 4U enclosure
- Nexsan E60™ storage system configured with 40 SAS drives for virtual storage and 20 SATA drives for disk-based data protection

NEXSAN E60 BENEFITS

- High performance to support virtual storage requirements
- Reduced energy costs up to 85%
- Tiered storage using SAS and SATA drives in the same system
- Three active drawers for easy servicing
- iSCSI and Fibre Channel host connectivity

NEXSAN E60 DELIVERS

- **Extreme density** – supporting up to 60 drives in a single unit, the E60 easily stores up to 240TB in 4U of data.
- **High reliability and performance** – the E60 features blazing wire-speed read/write throughput and high IOPS performance for data intensive requirements.
- **Unprecedented energy savings** – the E60 offers Nexsan's exclusive AutoMAID® Level 4 technology for up to 85% reduction in power consumption without performance compromise.

NEXSAN E60™ STORAGE SYSTEM WITH AUTOMAID®

The Corona-Norco Unified School District solved all its challenges with the Nexsan E60 storage system. The system was selected for its performance, density and value. Corona-Norco also benefitted from the system's unique power management features, providing up to 85% energy savings.

The school district quickly and effectively consolidated production data in their VMware environment and further enhanced its data protection strategy with the Nexsan E60, which includes 40 SAS drives to provide primary storage for Exchange, database and other production data. An additional 20 SATA drives are used for disk-based backup for complete protection of the school district's information. All of this storage capacity fits in a compact 4U of rack space for superior space efficiency. Delivering further value for the growing school district, the E60 features Nexsan's power efficient AutoMAID® technology for low power consumption and data center maintenance costs.

RESULTS

The Nexsan E60 has given the Corona-Norco Unified School District the flexible, high density and high performance platform it needed for both its primary and secondary storage requirements in a single storage enclosure. In addition, the school district is seeing up to an 85% reduction in energy consumption without any performance compromise - a result that is delivering significant operational cost savings.

"We needed a storage solution optimized for compatibility and performance in virtual environments. Nexsan fit the bill perfectly," said Brian Troudy, Network Manager, Corona-Norco Unified School District.

ABOUT NEXSAN

Nexsan® is a leading independent provider of disk-based storage systems purpose-built and priced for the mid-market, offering industry-leading reliability, space and power efficiency. Overcoming the challenges of traditional storage, the company's disk-based systems reduce the complexity and cost of storage with easy-to-use, efficient and enterprise-class features, delivering a different kind of storage experience.

For more information, visit the company's website at www.nexsan.com.

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