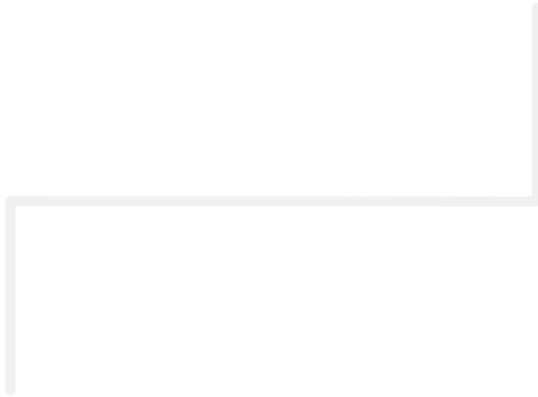




davenportgroup



July 2017

Distributed Networking Pays Off

Davenport Group & Deer Creek Public Schools networking solution & installation.

Corporate Headquarters

4166 Lexington Ave. North

St. Paul, MN 55126

Phone: 1(877)231-9114

Fax: (651)765-0774

Email: info@davenportgroup.com



Growing Pains

Deer Creek Schools was looking to upgrade their entire network from the core to the edge; their dated Cisco network equipment was expensive to maintain and support. Davenport Group introduced the visionary open networking capabilities of Dell's networking portfolio to Deer Creek Schools and was able to assist in upgrading their core and storage needs. Davenport Group is now working with Deer Creek on all of their edge networking requirements. The net result has been a noticeable decrease in operating expenses related to network maintenance and support.

A rapidly-growing school district in Oklahoma, with limited funds and an outdated infrastructure, needed help. The result is a network built for the 21st century to support their growth!

About Deer Creek Public Schools

Deer Creek School District was founded in 1921. The district was originally comprised of 13 one-room school houses which would later become the foundation of the current names of the Elementary Schools. The 13 one-room schools were Spring Creek, Union Rhodes, Rose Valley, Texas, Nebraska, Rosebud Advance, Prairie Bell, Kansas, Carpenter, McKinney, Higby, Lynch and Cleveland.

The District is 72 square miles and includes portions of three counties, Oklahoma, Logan and Canadian and two cities, Oklahoma City and Edmond. In the fall of 2016-17, Deer Creek will have 5 Elementary Schools: Deer Creek Elementary, Prairie Vale Elementary, Rose Union Elementary, Grove Valley Elementary and Spring Creek Elementary. Deer Creek also has an Intermediate School, Middle School and High School.

Deer Creek is known for its community centered atmosphere, excellent staff, strong parental involvement and focus on the growth of students both academically and personally. Deer Creek is the top school district in the State of Oklahoma and is proud of the many student accomplishments that occur each year.

Deer Creek is expected to have approximately 5800 students for the recent school year.



The Challenge

The Director of IT and Network Administrator had increased workloads as a result of networking equipment that was 7 to 15 years old. As with many of our clients, budgets are not endless and often times, the IT staff is asked to do more with less. The aging networking equipment support contracts were straining their limited budget, the gear that was no longer able to be supported was quickly becoming unstable and the uptime of the network was at serious risk. Along with the aging equipment and budget constraints, Deer Creek also had the age old problem of supporting all of this with a limited IT Staff. It became very difficult for Deer Creek's IT staff to support the network, in conjunction with all of the other IT infrastructure, all while the district continued to grow at a rate of 10-15% year over year.

The Bright Future Ahead

Davenport Group demonstrated, to Deer Creek Schools, that Dell's networking solution provides a tremendous value while increasing the much needed stability, performance and flexibility of the network. Davenport Group replaced Deer Creek's core network with a distributed 10Gb backbone while allowing room to grow and the ability to scale as needed. Their aggregate layer was upgraded with stackable 1Gb network equipment and Deer Creek is currently rolling out their edge layer with simple 1Gb network equipment; all with either 10Gb or 1Gb connections back to the core and aggregate. Deer Creek is now able to manage the entire network from one interface, OpenManage Network Manager, and leverage Davenport Group for continued training and support.



"Davenport Group was instrumental in our project to replace our servers, storage and networking. Their continued support has proved invaluable for the 7 years that we have had a relationship with them."

Deer Creek Schools was able to get the necessary upgrades all done within their limited budget. Deer Creek's budget got them much more than they thought. Rather than just upgrading their aggregate layer, Deer Creek was able to replace the core layer too, with five years of support thus realizing the value of Dell's networking equipment.

"The networking solution proposed and implemented by Davenport Group has increased our server connectivity by order of magnitude increasing the speeds experience by all our students and staff. The additional capacity has given us the ability to inexpensively expand to meet our rapidly growing needs for years to come. "

— Justin Leatherbury
Director of Technology



www.davenportgroup.com

