



Western Dubuque School District Case Study

Industry: Education

Challenges:

- Address constantly growing bandwidth demand for the schools
- Enhance bandwidth capacity without compromising existing services and network infrastructure
- Meet budgetary requirements set by management
- Locate a technology vendor with experience in the education vertical and with the flexibility to assist with a proof of concept prior to purchasing

Solution:

- The Elfiq Link LB-1100E provides the ability to manage up to four ISP links concurrently, meeting current and future requirements
- To complement the existing 10Mbps symmetrical link, a cable modem was added to meet demand
- Elfiq Networks' professional services were utilized to deploy the project

Benefits:

- Elfiq Networks provided an "out of the box" experience which was successful without costly infrastructure migrations or prolonged downtime and came in under budget
- The increased available bandwidth enables faster Internet access for the school district's users
- Elfiq's professional services team provided a complete turnkey implementation remotely, thus minimizing costs
- The LB-1100E will meet future requirements and enable future bandwidth additions

« The Elfiq Link Balancer was one of the most cost effective and beneficial units to meet the unique needs of our school district. From the pre-sales to the post-sales experience, we could not be more ecstatic with the service and product support we have received. Elfiq devices work exactly as advertised, right out of the box; this is the true meaning of "plug and play". »

Coby E. Culbertson

Director of Technology

Western Dubuque County

Community School District

Overview

Located in Iowa (USA), the Western Dubuque County Community School District (WCCSD) provides quality education to over 2,900 students in 9 schools and also has 3 other buildings which are interconnected to share services, resources and Internet access.

Challenges

WCCSD, like the majority of school districts, uses the Internet to deliver content and electronic services to enhance the curriculum offered to students. With the explosion of online services used by students and staff, more bandwidth was needed to meet growing needs.

For the bandwidth expansion project, WCCSD needed a tool which would meet their infrastructure needs without the need for re-architecture of their network, would meet budgetary guidelines and would obtain guidance for a proof of concept deployment.

Another requirement was to work with an organization which has experience supporting environments similar to WCCSD's.



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Solution

After engaging Elfiq's team, WCCSD received a LB-1100E unit to evaluate in their test environment. The unit arrived pre-configured with all the parameters set for the production environment. Since the Elfiq unit is a true inline transparent unit, no modifications were required to deploy it.

The Elfiq Link Balancer manages the existing 10Mbps link and the new cable modem link which provides incremental bandwidth to the users.

Elfiq's team finalized the configuration and provided knowledge transfer so the unit can be operated by WCCSD's technicians.

Benefits

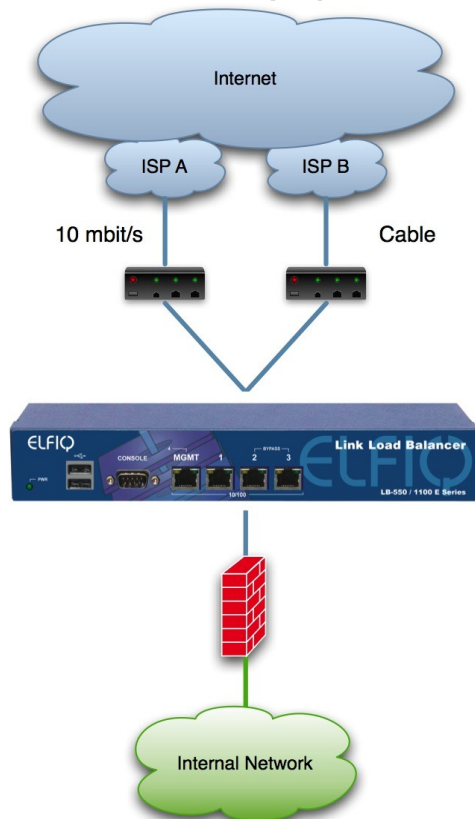
With the Elfiq Link Balancer in place, the school district's Internet access has been enhanced for performance and resilience, so should one of the two ISP links fail the other one will proactively be used for all traffic until the unavailable one is restored.

Through Elfiq's seamless integration, no modifications to the existing network were required, thus minimizing downtime and installation preparation and ensuring a completely transparent operation for all services.

This process was achieved under budget, since the Elfiq unit is competitively priced and Elfiq's professional services are able to deploy turnkey solutions remotely.

Future bandwidth requirements will be met because the LB-1100E can support an additional two ISP links. The Elfiq unit has proved to be a great investment which will pay for itself in a very short period of time.

Overview of WCCSD's Elfiq implementation



Elfiq Link LB-1100E



Maximum number of WAN links	4
Maximum throughput	60Mbps
Maximum number of concurrent sessions	64,000
Seamless integration	Yes, standard
SitePathMPTX link multiplexing	Yes, standard
LAN Failsafe Technology	Yes, standard
Quality of Service management	Yes, standard
Intelligent Service Vericator	Yes, standard
Intelligent DNS	Yes, standard
Denial of Service protection	Yes, standard Session Guard
Maximum number of virtual balancers	1
Format	Desktop unit with 1U mounting kit

To learn more about how Elfiq Networks can help your organization maximize its IT infrastructure please contact us at: sales@elfiq.com • www.elfiq.com • 888-GO-ELFIQ • (+1) 514-667-0611