



TP1 Case Study

Industry: IT Solution Provider—Web Site Design

Challenges:

- The core drive of business operations is the design and maintenance of Web sites and applications, and access to the Internet is crucial.
- The existing solution is not performing to failover expectations and does not do balancing.
- The company is using a Voice over IP network telephone system that depends on the primary ISP circuit.
- Only one carrier is being used, so the performance of internally hosted servers and services is affected.

Solution:

- The Elfiq Link Balancer LB-500 provides the ability to manage TP1's two ISP carriers.
- Both carriers now perform inbound balancing for servers and services used from the Internet.
- A strong balancing and failover strategy has been implemented, thus maximizing existing carriers.
- Elfiq's professional services included installation and best practices for the project.

Benefits:

- Downtime has been eliminated, enhancing both employee and customer access to servers and resources.
- Internet access is consistent and performing to expectations since both ISP circuits are being used to their full potential, thus maximizing return on investment.
- The reliability of IP-based telephony has been enhanced to prevent disruptions to that system.
- Customer deadlines are being met more effectively than ever before.

“Our business depends on Internet connectivity, and we now have an enhanced ability to compete in our marketplace. The Elfiq product we installed is now a key component of our infrastructure, and we highly recommend it if your organization depends on connectivity.”

Jan-Nicolas Vanderveken
Principal, TP1

Overview

TP1 is a leading digital agency specializing in Web site and Web application design, communications strategy, Internet strategy and digital marketing from a turnkey perspective.

Established in 2006, TP1 has been building its reputation by delivering solutions from local small businesses to Fortune 50 accounts in its area, and with success come growing infrastructure needs.

Challenges

TP1's business model requires constant access to the Internet, online resources, hosted resources and customer assets. In such a context, the loss or saturation of Internet access could prove damaging to productivity, and TP1 would face some deadline challenges due to outages.

The originally adopted solution promised to deliver a failover strategy with the existing DSL and cable modem but never fully delivered on that promise.

With the addition of new customers and employees, Internet access has become too critical, and a change needed to be made.



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Solution

Since the current solution was not delivering the promised value, an alternative had to be implemented, so the Elfiq unit was selected following a market survey.

The LB-500 was deployed to proactively manage both the cable modem and DSL circuit so they are used to their full capacity for outbound and inbound traffic. With this setup, Internet-facing servers and services use both available circuits.

The LB-500 has been configured so the internal VoIP server can use a second ISP and reconnect to the carrier in case of link failure.

Elfiq's professional services provided a rapid deployment performed remotely from Elfiq's offices without having a staff member on site.

Benefits

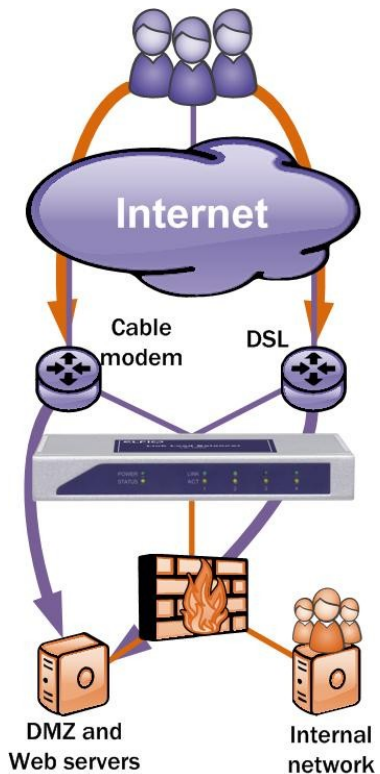
The Elfiq LB-500 efficiently replaced the existing solution and improved TP1's ability to conduct business through enhanced connectivity reliability, exceeding customer deadlines for online projects.

Overall productivity has also been enhanced as available bandwidth was effectively doubled without raising carrier costs and without carrier intervention; the Elfiq unit uses what already exists.

The concern regarding potential VoIP downtime has been addressed, making this key asset available at all times for the organization.

Overall, TP1's experience with the Elfiq product has resulted in enhanced productivity and lower overall operating costs, so value can be delivered in a highly competitive market.

Overview of TP1's Elfiq Implementation



Elfiq Link LB-500



Maximum number of WAN links	2
Maximum throughput (full duplex)	40Mbps
Maximum number of concurrent sessions	32,000
Seamless integration	Yes
Quality of Service and traffic segmentation	Yes
Inbound and outbound balancing	Yes
VoIP & SIP awareness	Yes
Intelligent DNS	Yes
Maximum number of Virtual Forwarding Interfaces (logical balancers)	1
Format	Desktop unit



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