

CASE STUDY

ANDERSON UNIVERSITY



Anderson University is a private Christian college in Anderson, Indiana. Founded in 1917 by the Church of God, about 2,300 students call Anderson University home. Anderson University has grown to include an undergraduate liberal arts program, organized into seven schools; graduate programs in theology, music, nursing, and business; and a Department of Adult Studies.



Challenge

The academic world has always been one of the first to embrace new technologies and new methods of delivering content to their audiences. With online courses, recorded video and audio, web-based student and grade management systems, document sharing and more, bandwidth has become a critical aspect of an institution's ability to fulfill its mission.

Another aspect to take into consideration is the amount of student-generated traffic, from web browsing to peer-to-peer file sharing. Students are notorious for consuming significant amounts of bandwidth and managing current ISPs has become a priority.

As a higher education institution with residential students, loss of Internet access has a serious impact on every component of collegiate life and business for Anderson University.

Solution

Anderson University decided to try Martello's Elfiq Networks Link Balancing solutions, having heard about the solution from their secondary circuit provider. The requirement was to deploy a redundancy solution in case of ISP failure, and to expand the available bandwidth by adding multiple circuits.

Working with Martello's Elfiq Networks' professional services, the University selected the LBX2600 platform, a device capable of managing over 2,000,000 concurrent sessions and throughput

"Our primary need was for link redundancy in the case of Internet circuit failure. Secondly, we needed an adaptable system to provide additional bandwidth capacity over multiple circuits."

Peter Harvin
VP for Information Technology
Anderson University



going up to 6Gbps, enough for the 2,300 students logging in on a daily basis to access academic resources, or browsing on their downtime.

The integration was successful, allowing the University to use both of their circuits concurrently thanks to Martello's Elfiq Networks' Layer-2 Active-Active configuration.

Since the integration, Anderson University has experienced several link outages, and the LBX2600 was able to transfer the entire traffic to the secondary link without causing any disruption for either students or staff members.

Adding more circuits can be done seamlessly and easily, on demand, without the risk of unused bandwidth, and can be put to use from the very moment it is hooked up to the Link Balancer.

"Once Elfiq's engineer got in on the configuration, things went very quickly and very well. We've had a couple of primary circuit failures since then, and the cut-over to the secondary was seamless."

Peter Harvin
VP for Information Technology
Anderson University

About Martello

Founded in 2009, Martello Technologies is headquartered in Ottawa, Canada with staff in Canada, the United States and France. In January of 2018, Martello merged with SD-WAN player Elfiq Networks to offer a solution that pairs performance management software with SD-WAN technology to provide stellar UC performance. Martello's solutions deliver confidence in the performance of real-time services on cloud and enterprise networks and is a proven provider of performance management software for Mitel customers.



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