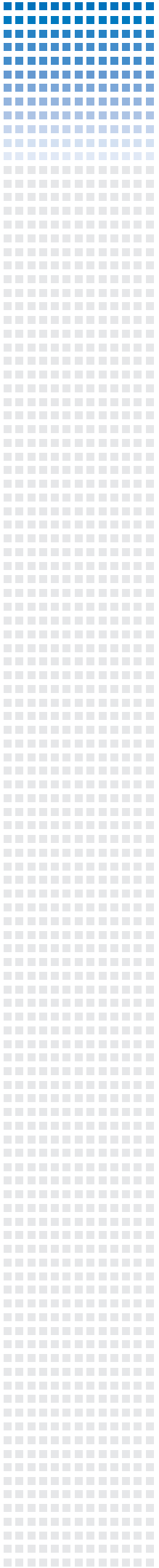


Xtera Successful Story of **Cadolto**

Xtera Communications, Inc. The Application-optimization Provider





Background

Cadolto is a leading global prefabricated building firm with a 180,000 square meter production base. The firm depends heavily on the corporate network to offer a complete set of services such as building design, budgeting, and construction. Cadolto's services save time and costs for its clients.

Challenges

With the modernization of the school system in recent years, the use of information system and the Internet is a major part of the evolution. The increased dependency of the network and Internet usage by school's faculty, staff, and students as well, presents a tremendous challenge to the school's network infrastructure. On its way to modernizing the network infrastructure, SIFT faces the challenges in maintaining the stability, security, and proper management and increase efficiency of the network:

1. Single point of failure

Cadolto deployed only a single WAN link for file sharing and data exchange between each branch office and the headquarters via VPN; the single link was at risk of single point of failure. Ensuring availability and reliability of VPN was the main challenge for the company's network.

2. Insufficient bandwidth and lack of bandwidth management

The preexisting 2M leased line could no longer satisfy the increasing bandwidth demands; thus, Cadolto wanted to add an ADSL link to expand network resources. The performance of mission critical applications which were run through VPN was the next challenge.

personnel is fully aware of the rampage of the P2P usage, but can not effectively control it.

Why AscenLink

After extensive testing, Cadolto decided to deploy Xtera's WAN load balancer, AscenLink, for the following reasons:

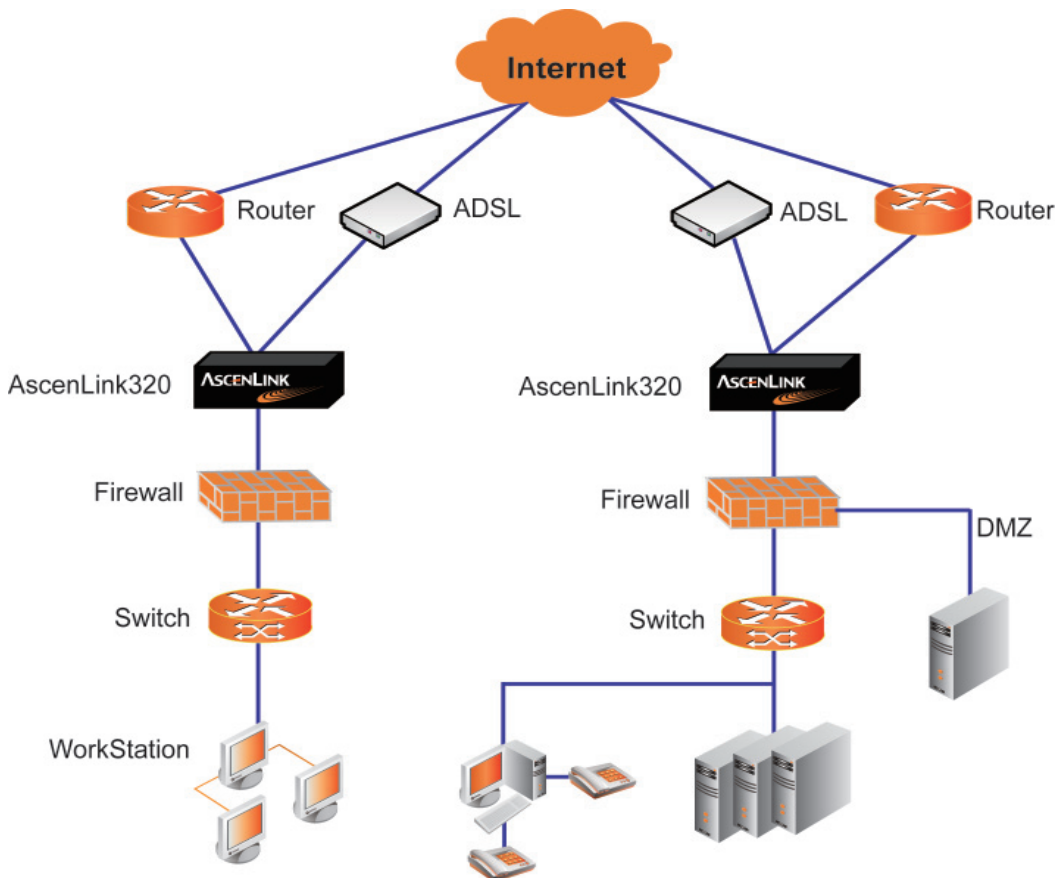
1. AscenLink supports VPN load balancing and can establish tunnel routing in the network with dynamic IPs to distribute VPN traffic across multiple WAN links while providing uninterrupted data transmission as well as preserving data integrity and accuracy.
2. AscenLink can flexibly manage inbound and outbound traffic according to corporate policies, service type, traffic type, traffic source, traffic destination, etc. The WAN link health detection mechanism can monitor WAN link conditions in real-time and perform predefined load balancing policies accordingly to ensure high availability and reliability of the network.

3. AscenLink integrates features such as Auto Routing, Multihoming, Firewall, Virtual Server, and drop-in deployment to offer a total WAN traffic management solution at an unmatched price.

AscenFlow as the Solution

Two units of AscenLink 320 were deployed in Cadolzburg and Kroelpa to perform VPN load balancing and fault tolerance through multiple WAN links. In the event of a failure on one of the links, the WAN link health detection mechanism can identify the abnormal link in real-time, and then AscenLink will perform predefined load balancing rules to prevent single point of failure to ensure non-stop VPN services.

AscenLink supports various WAN link types such as T1, Fiber, and ADSL, and can achieve VPN load balancing in network with dynamic IP addresses. The company deployed one more 16M/1M ADSL link coupled with the existing 2M leased line to establish a fast, reliable, and cost-effective VPN environment. Moreover, the built-in policy-based bandwidth management feature can identify inbound and outbound traffic based on services, and then direct non-VPN traffic to the ADSL line to improve the network quality of service and performance of mission critical applications.





Return on Investment

The transparent deployment mode enables AscenLink to be seamlessly integrated with the existing network without significant changes to the current network configurations, simplifying administrative work for MIS personnel. Furthermore, the companion reporting system helps MIS personnel understand network conditions and make proper adjustments for optimal network management.

AscenLink's patented Tunnel Routing feature enables Cadolto's branch offices and mobile users to enjoy LAN-like access to the corporate network without expensive costs on WAN link upgrades.

Mr. Volker Höfer, IT Manager and Project Leader, says: "The AscenLink solution meets all of our requirements such as link aggregation to our firewall-cluster and tunnel routing over the branch sites. Since we implemented the solution recommended by our partner Kroha und Heinze GmbH, we can take advantage of a high-speed WAN for downloading. Non-VPN traffic no longer affects the performance of the VPN connection. Furthermore, we did not have to change our existing network configuration to use this solution."

About Xtera Communications

Xtera Communications provides network solutions enabling communications companies to profitably deliver high-bandwidth tailored services at the lowest sustainable cost per bit. Xtera delivers value by combining sound business practice with compelling advantages in capacity, reach, simplicity and service. Further information is available online at www.xtera.com.

About Xtera's IP Division

AscenVision Technologies was founded in August, 2000, and acquired by Xtera in October, 2007 and became Xtera's IP Division. The IP Networking Division uses innovative L4-L7 WAN solution to provide comprehensive, world-class solutions for network management, security, and performance. Visit www.xtera-ip.com for more information.