



Arizona Charter Schools

The Customer:

Growing Charter School Organization with one location acting as their Primary Data Center and the remote school locations accessing all of their applications remotely. They used Point to Point T1s to connect the school sites to the Data Center and ran multiple Avaya PBXs at each location.

The Concerns:

There were many motivating factors that drove the decision to ditch the Point to Point T1s and move to vMPLS. But at the end of the day it boiled down to three simple things; 1. Increase Bandwidth 2. Implement Redundancy/Disaster Recovery 3. Save Money. The point to point T1 architecture was not providing enough bandwidth for the Citrix servers that were being used by students and faculty. Secondly, the current carrier was unable to provide business continuity in the event of T1 failure. Since the IT Department was constantly receiving complaints about applications running slowly they had to find a better solution.

The Demands:

The new solution had to meet the strict standards required by Education. It had to be Private and Secure, able to meet the strict security compliance enforced on schools. The solution had to be easy to manage because their IT Department was stretched thin. The new solution had to increase the bandwidth from the Data Center to the Schools. The new solution had to have true redundancy in order to achieve 100% up-time. Because they had recently purchased a VoIP phone system the new solution had to provide Quality of Service/Class of Service. The CFO had determined that the new solution could not exceed 120% of what was currently spent on their Telecommunications. Last but not least the company was on a tight timeline as they were moving their primary data center and had to have the new solution 100% up and running in less than 45 days.

**The Solution:**

Even though it may sound impossible, SimpleWan made all of these things possible. The Arizona Charter Schools overhauled their IT infrastructure implementing 50Mbps broadband connections as the primary data connection with DSL/Wireless connections as their failover route. With proper battery backup this new network architecture virtually ensures 100% up-time. Additionally they implemented a new IP Phone System to centralize communications and deploy a full Cloud Based Unified Communications infrastructure. By utilizing the SimpleWan SmartRoute technology each of these routes can be automatically assigned and rerouted when connectivity issues arise. This ensures that they have the highest quality Wide Area Network routes available for their data-sensitive applications, including their newly deployed VoIP phones.

The Bottom Line:

Simplewan came in and deployed their new, faster and now fully redundant Wide Area Network in less than 30 days. The network is operating faster than it was previously which is helping improve the lives of the IT Department, but now the CEO has new plans on how she would like to utilize that bandwidth.

At the end of the day the Arizona Charter Schools got:

25x Faster Application Delivery to the Remote Sites

True Redundancy for Disaster Recovery

Centralized Phone System

WAN Costs were reduced by 52%

Total Telecom Costs were REDUCED by 18%

The deployment of the new technology had a < 6 month ROI