

OPTIMIZING DATA TRANSFER USING MIRCROTECH-TEL TECHNOLOGY SOLUTION

MULTI-LOCATION REAL ESTATE TRANSACTION COMPANY

When first meeting with this customer we were given a difficult challenge, they needed to improve their wide area network speeds. The customer was experiencing extreme slowness between locations for a particular document program. Location A housed the server holding the program and Location B would access that program via single T-1 and download hundred page files. At the time of our original meeting it was taking twenty plus minutes to access the program.

The customer thought by adding an additional T-1 at each location we could allow a faster process of the files across the internet. We decided to complete a full network assessment to diagnosis the path of travel and to use that information to create an end to end solution.

Location A had a server, level 2 switch, and a Sonic Wall firewall. Location B had a Cicso level 2 switch and Sonic Wall firewall. We worked with the software vendor and their current IT vendor to diagnosis the set up in grave detail. The firewalls had a site to site VPN setup but it was setup many years before and had not been adjusted or updated. The firewalls had not had their firmware or software updated and they were out of service. Both switches were level 2 and broadcast storms were occurring every time Location B attempted to access the software.

The Solution: After completing the network assessments and discovery with current vendors we found that a single T-1 solution was best for the customer. The core change was to implement a new firewall with management and a Level 3 Switch. We choose a Checkpoint Safe @ office Firewall at both locations, Adtran 1224 Managed Switches and implemented a new T-1 solution where both T-1's were cross connected in the same Co Location creating on on-net traffic point for both locations.

The Result: The access time for the software was cut from twenty minutes down to two. We removed the on net VPN which caused congestion issues and discarded the old out of support hardware. In final we were able to create a lower cost solution than the customer had in place with newer technology and in depth service.

