



CASE STUDY

How CTG Helped Boost Security and Reliability for a Large Supplier and Manufacturing Company

A large supplier and manufacturing company with an international presence was faced with deciding whether to bring their international sites onto their corporate MPLS network in the United States, or find another solution that could bring together all of their locations for a cohesive WAN and security solution, and that allowed access to the company ERP located in a data center in the US. The customer sought a partnership with Corporate Technologies Group (CTG) to help them consolidate their infrastructure in the United States and internationally, take ownership of their entire IT footprint, strategy and management.

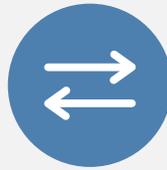
ISSUES

- ! Historically decentralized policy
- ! Limitations of technical staff
- ! High technology expenditure
- ! Outdated technology
- ! Lack of troubleshooting tools

CTG SOLUTIONS



Better
throughput



Redundancy



More efficient
network
management



Reduce
expenditures



All encompassing
security solution

CHALLENGE

The first challenge that CTG faced as the project began was a bandwidth discrepancy on the network between the headquarters and the data center. Using network monitoring tools, CTG's technical staff verified that there was an issue achieving the stated bandwidth of their current provider.

CTG utilized software to map out the current network and systematically track the route that data traversed through the network, checking each interface that data passed through for data loss or Quality of Service (QoS) queuing issues.

Once located, CTG was able to use a demo license to up the throughput and the bandwidth then became regulated.

SOLUTION

CTG worked with the customer to find all of the issues plaguing their infrastructure, as well as proposed new solutions to solve these problems. The first step in the overall solution was to install both a primary and secondary circuit, utilizing both coax and dedicated fiber internet access connections at all of their domestic locations.

In order to have a reliable redundant solution, CTG proposed SD-WAN be installed at each of the domestic sites first, then expand to the international sites after the first step of the project was completed. SD-WAN can reduce latency, jitter, and packet loss, and create a failover solution if the primary internet circuit were to go down.

SD-WAN also provides secure connections between sites and reduced complexities, while optimizing traffic to provide prioritization to the mission critical applications needed by the client's business demands. This solution also extended to their mobile users to ensure security and performance for their field users as well.

RESULTS

CTG was able to assess the company's current MPLS network, evaluate a SD-WAN solution for both domestic and international locations, as well as provide options for better bandwidth performance.

An all-encompassing security solution was proposed by having security endpoints at every location. This solution also extended to their mobile users to ensure security and performance for their field users as well.

Overall, CTG was able to provide quality of services, or QoS, while reducing high technology expenditures and increasing overall network performance.