



## DPS WAN Instability Re-design Project Summary

### The challenge

Chesapeake NetCraftsmen was engaged by a major, worldwide credit provider to solve issues with their Wide Area Network. The network was unstable and experienced frequent outages. Their network redundancy was not working and they were unable to add additional links without problems. As a result, they could not grow their business.

### The Chesapeake NetCraftsmen solution

- We provided a plan to restructure and stabilize the network, including an IP addressing plan, an Address Summarization plan, and an improved, scalable design
- We modeled the network, using network modeling tools, and verified proposed changes
- We developed a step-by-step plan to implement the proposed design changes
- We trained customer personnel to work in the new environment, providing structured knowledge transfer (Instructor-Led training) to be sure that everyone understood what the changes were and why they were being made
- We worked with the customer to make the changes in the network, and verified that the changes were successful
- We helped them optimize the integration of their SNA environment into their IP network, including the support of Dells, STUN Tunneling, SDLC and Token Ring

### The results

The clients' business has expanded, the network is stable and has had no downtime. Far fewer hours are spent troubleshooting and there is a plan to grow the network. Each new link has a pre-defined place in the network and the network scales easily. And as a result of the knowledge transfer phase, the clients now have the confidence to grow their network on a day-to-day basis with little or no outside assistance.

As a result of the quality of Chesapeake NetCraftsmen's work, we were re-engaged by this client to redesign their campus network for scalability, to integrate a new data center into their network, and to redesign their Internet connectivity for redundancy.