



Financial Institution Network Design Project Summary

The challenge

Chesapeake NetCraftsmen was engaged by a large financial lending institution to assist in the integration of a new building into the current corporate network. We were asked to provide expertise in Network Design, IP Address Planning and Network Management. The client also requested implementation and quality assurance services in support of this project.

The Chesapeake NetCraftsmen solution

- **Network Design:** We worked in conjunction with the client's professional staff to create the detailed design for the new building, which was structured to be compatible with, and build upon, the client's existing enterprise network architecture. The design included VLAN assignments, port assignments and specific device configurations for the relevant Cisco switches and routers
- **IP Addressing Plan:** We developed the IP addressing scheme for the new location to include number, sizes and locations of subnets. We coordinated with the IP addressing and DHCP administrators for proper allocation of IP Addresses and resources
- **Network Management:** We worked with the client's professional staff to integrate all the new network infrastructure devices at the new building into the client's existing network management platforms

We also performed testing and tuning relative to the switch implementation, and ensured that device configurations reflected the proper design parameters. The Chesapeake NetCraftsmen team provided on-site support during the rollout of this engagement to ensure a smooth turn up. At the request of the client, we also provided knowledge transfer via periodic tutorials for client staff on appropriate technical topics and technologies.

The results

After working closely with the client, Chesapeake NetCraftsmen successfully completed the Network Design, IP Addressing and Network Management integration. The client's new building is now a full member of the corporate net. As a result of Chesapeake NetCraftsmen expertise and diligence, downtime for existing networks was zero to minimal. Their network now operates faster and cleaner, and is easier to troubleshoot, better positioned to take advantage of future technologies and far more secure than under the previous design parameters.