



## Financial Data Center Move Project Summary

### The challenge

Chesapeake NetCraftsmen was engaged by a large financial transaction processing company to assist in moving its network to a new primary data center. This needed to be done seamlessly, without any down time on the existing network. Following transition to the new data center, the former data center needed to be cleanly cut away from the network.

Requirements included the design of the new data-center LAN, a strategy to connect more than 400 remote locations to the new data center without affecting existing traffic flow, and a plan to manage traffic flow to the new data center as it was brought on-line.

### The Chesapeake NetCraftsmen solution

We worked with the customer to understand their needs and designed the following solutions:

- A redundant scaleable three-tier data center LAN based on Cisco's 6500 platform
- A self-healing layer two network based on Cisco ATM switches to allow a high degree of flexibility in linking the existing data centers with to new one and carrier points-of-presence.
- A routing strategy using EIGRP to smoothly transition traffic to the new data center.
- An improved routing summarization strategy
  
- Implementation
  - The customer has a very capable network operations and implementation group. Chesapeake NetCraftsmen was asked to supervise critical stages of the implementation, which included the connection of the new data center to the existing network, connection of the initial group of remote locations, and the disconnection of the old data-center. One of Chesapeake NetCraftsmen's senior consultants was on-site for each of these phases
  - Chesapeake NetCraftsmen has a long history of working closely with this customer. Each phase of this move became the model and a training tool for the operations staff to become familiar with how the new network would operate, which allowed the operations group to quickly get up to speed on the new configuration's operation

### The results

The new data center LAN was able to scale to meet the demands of growing applications and seamlessly integrate into the existing WAN with zero negative impact on thousands of customer transactions. The ATM network has allowed our customer to gain control of their network, making it easier to assign and groom new circuits to remote locations as they are added to the network, which has significantly reduced the time required to provision and install new customers. The added stability of the network has also allowed the operations staff to concentrate on provisioning new customers rather than fighting fires. And this client has significantly improved the level of service it can provide customers, allowing expansion of its customer base.