



New Firewall Infrastructure Secures Bank

CASE STUDY SUMMARY

COMPANY

Top Five U.S. Bank

INDUSTRY

Financial Services

GOAL

Provide a network security infrastructure that protects 100% of the bank's electronic transactions

PROJECTS

- Security Design
- Security Implementation
- Secure Partner Integration
- Application Migration

BENEFITS

- Secure network for billions of dollars of transactions
- Operational framework that allows additional partners and lines of business to integrate into the security architecture

TECHNOLOGIES

- Firewall Service Module
- Appliance Firewall
- ACLs
- NAT
- DMZ
- Encryption
- NDM and other secure transaction methods
- Tech Refresh
- High Availability

Over 40M households and thousands of partners and vendors leverage the bank's security framework.

One in three U.S. households receives financial services from this C2 customer; additionally thousands of partners and vendors need to securely connect to its network. By implementing a new security infrastructure, the bank is able to achieve a technology competitive advantage – the ability to offer its lines of business quick, standard, secure connectivity at one-tenth the time and one-tenth the investment over the prior approach.

The Problem

The bank's network utilizes thousands of circuits. In the past, network and security administrators performed laborious ad-hoc changes on a per-circuit basis.

The Solution

C2 Company engineers designed and implemented a secure perimeter architecture with new firewall technology. Knowing the bank's network leveraged over 1000 firewalls, C2 engineers created holistic secure operational standards employing common firewall rules network and frameworks for ACLs and NAT. Even mainframe connections using NDM (Network Data Mover) were included in the framework. (continued on reverse)

"Harry Haramis is the best engineer I've worked with from a security perspective and he also ranks among the top in routing and switching. His knowledge of firewalls is phenomenal. Add his IPSec, DMVPN, IPS, IDS along with others makes him my first choice any chance I get."

Omar Abuabara, SE, Cisco Systems

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Solution (continued)

Operational Excellence

- Streams of traffic made up of billions of dollars of transactions were securely migrated with zero downtime.
- The new security infrastructure also paid huge dividends as this bank actively participated in acquisitions. Acquired companies and their partners leveraged the security framework, and operational complexities were avoided.
- Tech refreshes (when thousands of new servers or components are replaced) were completed twice as fast as before due to the new security templates.

Secure and Nimble

Some companies are encumbered by security – not so with this C2 Company financial services customer. The bank recognized an opportunity – by enabling quick, secure connectivity to new vendors and partners, the bank had a distinct advantage over slower banks.

C2 Company's design and implementation of a secure perimeter architecture helped enable bank executives to quickly execute on partnerships and acquisitions – contributing to the doubling of the retail banking stores to over 6,000.

We Can Help

C2 Company architects, builds, protects and maintains the networks and systems that enable enterprises to:

- Accelerate IT's speed and business impact
- Minimize costs and risks

To learn more about how we can help you too, contact us at 650.357.0100 or info@c2company.com.