



Safe Global Commerce Network Platform

CASE STUDY SUMMARY

COMPANY

Top 3 Credit Card Company

INDUSTRY

Financial Services

GOAL

Provide a data center network and security infrastructure that reliably supports a worldwide merchant bank community

PROJECTS

- Network Design
- Security Design
- Data Center Migration

BENEFITS

- Reliable, scalable network that is 100% available for its 100M+ cardholders
- Secure network for trillions of dollars of transactions
- Efficient, fast network platform that best utilizes a 300,000 sq ft data center

TECHNOLOGIES

- Public/Private MPLS
- Firewall
- OSPF
- BGP
- IP Multicast
- QoS
- Application
- WAN Optimization
- Virtualization
- VoIP

Millions of cardholders leverage the data center network platform the C2 Company designed for security, reliability and performance.

As one of the worlds largest retail electronic payments network, this financial services company with one of the most recognized global brands turned to C2 Company. They needed to make sure their new network inside their 300,000 square-foot data center was designed and implemented for reliability, security, performance, and cost-effectiveness. Since the company facilitates trillions of dollars of global commerce through the transfer of value and information among financial institutions, merchants, consumers, businesses and government entities, 100% uptime during the data center migration was a business requirement.

The data center design, implementation, and migration project benefited a community of over 1,000+ financial institutions, 1,000,000+ merchants, and hundreds of millions of cardholders across 170 countries.

“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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The Solution

C2 Company engineers assessed the requirements for a new data center network that needs to accommodate exponential annual growth. By leveraging best practices and over 20 years of experience, C2 Company helped design the network for security, performance, and reliability. The network leveraged over 30 global MPLS connections, hardware and route redundancy, and hundreds of OC192, OC48, OC12 and OC3, DS3 and T1 circuits - supporting hundreds of millions of cardholders.

The implementation and migration phase necessitated deep project management, to ensure 100% uptime. During late night change management windows, our engineers helped migrate applications onto the new data center network.

On Time and Under Budget

Because C2 Company engineers have such deep networking and security experience and are able to work with all teams within an IT organization (networking, security, systems, facilities), we were able to accelerate the time-frame of our project milestones and start migrating applications 2 months earlier than originally planned - and came in 14% beneath the project's budget.

Executives from the customer were also ecstatic because ongoing operational efficiencies increased by 23% due to a simpler network design with policy templates that allowed the Systems Teams to make changes without requiring one-off network change requests.

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.