



## Case Study:

# Network Infrastructure Design and Implementation

### Financial Services Company Selects Juniper Networks:

A large Financial Services company needed to replace an aging and unsupported infrastructure in their headquarters as well as a few regional offices. Atrion was engaged in the project from initial design, Proof of Concept, hardware procurement, implementation, and authorized training.

### The Challenge

The company maintains a large 24/7 network and was tasked with replacing their entire infrastructure. The previous architecture was based on outdated switch technology throughout the environment. As the company questioned the current switch vendor's future direction, and were then interested in exploring alternatives for their network design. Atrion proposed a comprehensive design for the company and provided equipment for a Proof of Concept, ensuring that there would be a seamless integration with minimal downtime. The new switch infrastructure (two datacenters and a number of closets) would have to interoperate with the existing infrastructure, as the company desired a phased rollout over a period of months.

### The Solution

The company considered upgrades to the existing environment, as well as solutions from another large switch vendor and Juniper, ultimately choosing Juniper Networks. In order to fully meet the business challenges and provide the company with the best possible solution, Atrion:

- Provided a Proof of Concept in a lab environment to perform interoperability testing between Juniper and Nortel Switches

- Procured Juniper switches, firewalls, SSL VPN, Intrusion Prevention, Network Access Control, and centralized management solutions for a homogenous Juniper Network
- Staged the new Juniper switch infrastructure in a controlled lab environment
- Provided on-site professional services throughout the project; from staging to implementation, including numerous weekends, to accommodate the company's limited schedule maintenance windows
- Educated the company's key engineers using Juniper Authorized Education Partner course materials, covering both the Junos operating system and security deployment
- Provided ongoing remote, post-implementation support services as needed.

### The Benefit

By choosing Atrion, this company was able to realize the following benefits:

- The ability to utilize Atrion's senior engineers to provide a Proof of Concept for which the company lacked expertise
- Atrion managed the entire project from initial design through completion and support, providing the company with one point of contact for the duration of the project
- The company achieved a high-speed, modern network utilizing switch virtual chassis technology for a flexible and highly redundant solution
- Increased security through VLAN implementation and network segmentation