

Use Case: Center of Excellence

Technology Involved: Juniper SRX Firewalls and Juniper EX Switches

The Challenge:

A local Medical Center needed to incorporate resiliency into their network architecture to ensure that internal access to medical records was maintained during potential ISP outages. The customer lacked a lab environment to test new designs and could not make significant changes to their production environment outside of the rare maintenance window. The customer lacked the deep Juniper expertise to design an appropriate failover configuration with their existing Juniper SRX Firewalls and Juniper EX Switches.

Leveraging the COE to provide a solution:

The customer securely provided Atrion with copies of their existing Juniper SRX and EX configurations. Atrion built out a replica of the customer's network environment using Atrion's lab environment, mimicking the exact code versions and configurations from the customer's production network. In Atrion's COE, Atrion's engineers designed and built a configuration per the customer's specifications and tested various failover scenarios to ensure that availability was always maintained. Via a remote session, the customer worked directly with Atrion's engineers to review the intended design and witness the successful test cases.

The working configurations were then copied onto the customer's devices by Atrion's senior engineers during a maintenance window and failover testing was accomplished in an expedient fashion.

The Outcome:

- Configurations were staged, tested, and validated in a non-production environment
- Customer achieved a highly resilient design with automatic failover, eliminating the need for manual administrative changes during an outage
- Customer experienced minimal downtime and limited the number of non-business hours required to implement the changes

