

Department of Technology City of Columbus Columbus, Ohio

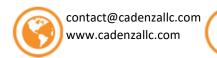
11/19/18

Next Generation Firewall Migration Statement of Work

- 1 Firewall Rulebase Cleanup & Optimization
- 1. Analysis of existing firewall rule base.
- 2. Optimization of existing rule base to remove unused rules, shadowing, and poorly placed rules from a performance perspective.
- 3. Implied permit security level analysis as required to translate packet forwarding behavior onto a zero trust firewall platform (Juniper SRX).
- 4. Review of existing configuration against best practices for security hardening and infrastructure availability as it relates to implementing like functionality on a Juniper SRX firewall.
- 5. Change implementation support as requested by client staff to optimize configuration and enhance logging behavior to support migration to a Juniper SRX firewall platform.

2 - Firewall Configuration Migration and Support

- 1. Migration of existing firewall rule base up to 100,000 ACL entries, 20 security levels / interfaces across (2) ASA devices.
- 2. Configuration of Juniper SRX High Availability Features.
- 3. Security design and best practice adherence documentation for Internet edge implementation of (2) Juniper SRX 4100 firewalls.
- 4. Security design and best practice adherence documentation for implementation of Junos Space Security Director 18.x for management, logging, and threat mitigation.
- 5. Change implementation support (remote and on site) as required for full migration of existing ASA functionality on the Juniper SRX 4100 platform.
- 6. Migration of existing Ironport based web polices onto Juniper SRX Web Filtering platform.





3 - SRX Advanced Feature Deployment

- 1. Implementation and tuning of Web Filtering on the Juniper SRX platform. Migration of existing SourceFire based Web Filtering ruleset.
- 2. Implementation and tuning of IPS on the Juniper SRX platform. Migration of existing SourceFire based IPS ruleset.
- 3. Implementation and tuning of Anti-Virus scanning on the Juniper SRX platform. Migration of existing SourceFire based Anti-Virus ruleset.
- 4. Implementation and tuning of User Based Firewalling on the Juniper SRX platform. Up to (5) user groups and (1) identity source.
- 5. Implementation and tuning of Sky Advanced Threat Prevention (ATP) on the Juniper SRX platform.

 Migration of existing SourceFire based Malware ruleset.

4 - Security & Infrastructure Consulting

- 1. Post implementation 30 day review and recommendations for ongoing tuning, optimization, and analysis of client security infrastructure (legacy Cisco and refreshed Juniper).
- 2. Staff training per syllabus below.







Junos Security Training Syllabus

Junos Security (1 Day)

SRX Platform Introduction

Flow Module Deep Dive

Security Zones

Layer 4 Security Policy

Network Address Translation

IPSec Configuration

Logical Tunnels and Virtual Routers

Advanced Junos Security (1 Day)

AppSecure

Enhanced Web Filtering

Intrusion Prevention

Inline Anti-Virus Filtering

Sky ATP

Junos Space Security Director

