
Alabama Supercomputer Authority

ASA



Position: Network Security Engineer

Reports to: Network Engineering Manager

Location: Alabama Supercomputer Center- Huntsville

Please send all resumes to personnel@asc.edu

General Description

Network Security Engineer is responsible for assisting with planning, implementation, and ongoing support of next-generation and basic firewall services and general network services provided to ASA members and the Authority. Employees in this class are responsible for working independently, providing technical direction to other technical staff members, and specializing in network security engineering and firewall management.

Responsibilities

- Work with ASA members to define and implement perimeter security for members' networks using Palo Alto and Juniper firewalls.
- Create, optimize, and audit security policies, NAT rules, VPN configurations, and content filtering policies on a member-by-member basis.
- Stay abreast of ever-expanding technologies and techniques in LAN/WAN networking and network security through self-study and personal initiative.
- Assist the SOC by analyzing traffic logs, investigating security alerts, and resolving routing and reachability issues.
- Design, implement, and deliver reliable and secure network services to institutional clients.
- Troubleshoot and resolve network service outages, performance bottlenecks, and hardware, software, and configuration issues.
- Track and analyze network utilization, including bandwidth utilization and applications requirements.
- Perform technical planning, design, implementation, and support of network and network security related projects.
- Provide leadership in network routing, switching, and network security.
- Evaluate processes, policies, infrastructure, and technologies and present recommendations to executive management.
- Recommend updates or changes to the network and security systems to meet anticipated future demands.
- Provide mentorship in network security policy, hardware, and protocols to other team members and clients.
- Make presentations to high level clients and stakeholders.
- Participate in the On-Call rotation supporting AREN during non-business hours

Minimum Requirements

- Bachelor's degree in engineering, mathematics, computer science, or information technology discipline from an accredited college, university, or equivalent experience.
- Five (5) years of experience in the network security and/or network engineering field
- Intermediate to advanced understanding of network routing and switching
- Advanced understanding of Palo Alto Next Generation Firewalls and Juniper SRX firewalls architectures and capabilities.