



SECURITY ENGINEER

Job Description

The Security Engineer designs and supports complex system applications from a security perspective, and ensures information security risk controls are implemented and appropriately monitored throughout a systems lifecycle. Provides information security analysis and documentation, and assesses security implications of new technologies and upgrades to planned and existing systems. Provides network and security engineering expertise and guidance for all aspects of information assurance.

Responsibilities

- Develops and implements technical solutions to meet regulatory security policies as well as best practices for servers and private cloud resources
- Applies information assurance expertise to design and modifications of a virtual infrastructure environment, to include monitoring, analysis, identification and troubleshooting issues around security
- Troubleshoots network system issues that may arise in regards to security
- Applies security fixes and patches to Windows/Linux Servers to meet security requirements
- Utilizes information assurance tools as needed to validate application security posture
- Performs vulnerability scanning of systems and tools
- Supports operational and maintenance phase for as-built systems
- Supports data center operational responsibility to ensure proper security risk controls
- Supports acquisition of hardware and software as needed
- Reviews Information Assurance Vulnerability Alerts (IAVA) and other cyber security bulletins and advisories such as US-CERT, and maintains current knowledge of relevant technology as assigned
- Participates in special projects as required

Technical Skills Required

- Assessment, design, implementation, and support of network infrastructures
- Understanding of engineering life cycle – assessment, solutions design, testing, documentation, implementation
- Information assurance expertise within virtual and cloud infrastructures
- NISSUS, and other information assurance tools
- Cisco, , and Juniper routers – install, configure, troubleshoot, maintain
- Cisco and other vendor switches and firewalls – install, configure, troubleshoot, maintain
- Unified threat management
- VPN security solutions
- Intrusion prevention systems and intrusion detection systems
- Wired and wireless network technologies
- Wireshark

Qualifications

- Bachelor's degree in Computer Science or Engineering, or a related technical discipline
- 5+ years of experience in security engineering for network systems and databases
- CISSP or SANS certification preferred
- Demonstrated proficiency with Windows/Linux variants to include servers and workstations
- Experience using Microsoft Office and Visio to create documents, presentations and detailed drawings
- Strong problem solving, analytic, and communication skills
- Ability to work effectively in a small team environment
- Self-starter with ability to accomplish tasks in a timely manner with minimal supervision
- Ability to work occasional evenings and/or weekends as job duties demand

Travel: 5% or less

Classification: Full-time, Exempt

Reports To: Chief Technology Officer

Direct Reports: None