



Office of Bedford County Human Resources

1 Public Square Courthouse, Suite 101

Bedford County Mayor's Office

Shelbyville, TN 37160

Bedford County MIS/GIS

Network Security Engineer (Full-time)

The Bedford County MIS\GIS (Management Information Systems\Geospatial Information Systems) Department is seeking a qualified Network Security Engineer. The position will focus on the Bedford County corporate network infrastructure and related security processes and procedures. The Network Security Engineer reports to the IT Director. The successful candidate will establish advanced capabilities within the organization and drive improvements in our security posture in support of government operations.

Work Responsibilities:

- Evaluate, identify and implement emerging network security technologies.
- Monitor and assess data related to existing network security implementations.
- Conduct vulnerability scans using approved software tools (TDR, Wireshark, Netscan, NMAP, Kali Linux, etc).and implement remediation.
- Conduct security audits relating to the use of third-party tools and software.
- Implement security awareness assessments and training exercises for users.
- Prepare for random third-party IT audits.
- Install and maintain switches, routers, servers, desktop computers, IP telephones, Wireless devices and other equipment.
- Provide on-site and remote support of network security and monitoring solutions, services and products.
- Assist and train end-users in troubleshooting computer-related problems as needed.
- Be available, on-call, to rapidly troubleshoot any problems/issues/incidents.
- Participate in incident/problem handling and resolution.
- Plan, schedule, and implement security upgrades in a timely manner, and during times that will have a minimum impact on users of the affected networks & systems.
- Identify security risks and develop mitigation plans.
- Implement security-focused tools and services.
- Develop and interpret security policies and procedures.
- Perform regularly scheduled security reviews (e.g., technology, operations and personnel).
- Prepare for, participate in and remediate security compliance efforts and audits (e.g., HIPAA, PCI & SOX)

- Compose comprehensive reports, including assessment-based findings and propositions for further systems security enhancements.
- Some travel may be necessary. A valid driver's license is essential.

Key Qualifications:

- Minimum of three (3) years hands-on experience working in a medium-sized (250-500 employees) or large, multi-site commercial network environment.
- Previous work should include WAN, LAN, DHCP, VLAN switching, VPN routing, Virtualization, VOIP, CCTV, SNMP, distributed WLAN networks, Asset Management, Radius, SFTP, Kerberos, DNS, Group Policy, Security & Distribution Groups, Linux Server & Windows Server 2008 R2 (or newer).
- Demonstrated configuration of next-generation firewall appliances, mobile devices, wireless access points, managed switches, routers, computer endpoints and other equipment.
- Working knowledge of security tools (ie. Metasploit, Nmap, Kali Linux, Wireshark, etc.)
- Capable of configuring hosted VPS security parameters, including DMARC, DKIM, SPF and Multi-factor authentication.
- Knowledge of programming language libraries JavaScript, CSS, HTML 5, PHP, Powershell and other scripting languages is a bonus.
- Bachelor of Science Degree in Information Security or Certificate of Completion Diploma with professional certifications from accredited college will be considered. CEH (or equivalent certifications) from accredited resource is preferred.
- Successful completion of CompTia Security +, Network+ and A+.
- Strong organizational skills and ability to multi-task in a fast-paced environment.

Bedford County is an Equal Opportunity Employer