Network Engineer

**Purpose Statement**
The purpose of this position is to assist in the design, installation and management of network systems and resources. The network engineer must thrive in a challenging and rewarding environment. The position requires be able to understand and resolve the issues involved with administering and maintaining complex infrastructures, including network connectivity, internet access, email, DNS, advanced network architecture, LAN/WAN, routing protocols, VLANs, subnetting, RADIUS and VPN.

This job reports to the network manager.

**Essential Duties and Responsibilities**
- Work with the network manager to coordinate the management of a wide area network consisting of multi-platform voice, video and data.
- Administration of an enterprise network environment including the installation, monitoring, maintenance, support, and optimization of all network hardware, software, and LAN/WAN links.
- Implement and manage Cisco products including, Cisco switches, Cisco Enterprise Wireless, Cisco UCS, Cisco Prime Infrastructure, and Cisco Identity Services Engine.
- Administer changes to switches and wireless controllers needed for proper 802.1x authentication.
- Insure that all virtual, physical and wireless network systems are functional on a daily basis, and all workstations have direct connection to all network resources and to the Internet.
- Use Microsoft Active Directory to issue network rights and group policy to appropriate network resources.
- Analyze and resolve network hardware and software problems. This includes troubleshooting issues and resolving network outages using packet capture, NetFlow and other tools.
- Manage Data Center battery backup and environmental systems.

**Additional Job Functions**
- Assist with telephone switch/PBX installations, video security, wireless systems and remote access.
- Research and review developments in technology; investigate the leading technological innovations in systems networking; research and make recommendations for software and hardware purchases.
- Performs other related duties as required.

**Job Requirements: Minimum Qualifications**

**Skills, Knowledge and Abilities**
- Skills are required to perform multiple, highly complex technical tasks with a need to routinely upgrade skills in order to meet changing job requirements.
- Experience with Cisco enterprise level core switches, routers, firewalls and wireless controllers. Experience with Cisco ISE Deployments is a plus
- Excellent Layer 2 & 3 Networking Skills.
- Skilled in project management of networking projects and re-engineering concepts.
- Thorough knowledge of client/server and local and wide area networks.
- In depth knowledge of Microsoft Windows 2008/2012 Server and Linux operating systems. Knowledge of Windows, IOS, Apple and Chrome client operating systems.
- Thorough knowledge of VMware.
- Experience working with Microsoft Active Directory and Group Policy.
- Knowledge and experience with storage area network (SAN) administration in complex enterprise environments.
- Disaster Recovery administration experience.
- Experience using Microsoft Visio, Microsoft Office Professional, and other software applications as related to job functions.
- Strong communication skills required.
Responsibility
Responsibilities include: working under limited supervision following standardized practices and/or methods; leading, guiding, and/or coordinating others; and tracking budget expenditures. Utilization of resources from other work units is often required to perform the job's functions. There is a continual opportunity to impact the organization’s services.

Working Environment
The usual and customary methods of performing the job's functions require the following physical demands: significant lifting, carrying, pushing, and/or pulling; some stooping, kneeling, crouching, and/or crawling; and significant fine finger dexterity. Generally, the job requires 70% sitting, 15% walking, and 15% standing. The job is performed in a generally hazard free environment.

Experience
2 + years of networking experience with increasing levels of responsibility is required.

Education
Bachelor’s degree in related field preferred. Associates Degree and/or industry certifications will be considered.

Equivalency
Equivalent networking experience and certifications may be substituted for education.

Certificates & Licenses
Cisco CCENT and/or CCNA Certifications preferred. Additional certifications a plus.

Valid Tennessee Driver’s License and evidence of insurability.

Clearances
Criminal Justice Fingerprint/Background Clearance

FLSA Status
Exempt

Salary Grade
Classified 27

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