

As a Network Engineer Data II, you will conduct maintenance testing, operational integrity assessments, and management of networked systems.

JOB DESCRIPTION

- Network Engineer Data II
- Works under the general supervision of the Network Operations Manager.
- Serves in the Technology Operations and Support Department of the Office of Technology at the Corporate Office Building (COB).

Plans, designs, develops, configures, analyzes, implements, installs, and integrates networked systems for the transmission of information in data, voice, and video format with an emphasis on data and switch networks. Tests, maintains operational integrity, performs quality assurance, and manages networked systems. Performs related functions.

GENERAL RESPONSIBILITIES

- Manages assigned networked systems, including the planning, analysis, design, development, modification, configuration, installation, integration, maintenance testing, operational integrity assessment, and backup for the networked systems.
- Installs, configures, and troubleshoots network equipment, such as routers, switches, firewalls, load balancers, cabling systems, modems, multiplexers, and concentrators.
- Identifies, analyzes, and corrects complex network related problems, to include security measures.
- Develops and implements configuration management plans.
- Develops and maintains local procedures for network, infrastructure, system operations, and product assembly and installation.
- Prepares recommendations, justifications, and specifications for Local Area, Wide Area, and Wireless Local Area Networks (LANs, WANs, and WLANs); Virtual Private Networks (VPNs) and Virtual Machines (VMs) or Networks; and associated Voice over Internet Protocol (VoIP) equipment.
- Creates and maintains documentation relating to network configuration, network mapping, processes, and service records.
- Performs other duties as assigned.

QUALIFICATIONS

- Seven years of progressively responsible experience in implementing and maintaining enterprise-wide network systems.

KNOWLEDGE, SKILLS AND ABILITIES

1. Knowledge of and skill in working on enterprise-wide LANs, WANs, WLANs, VPNs, VMs, and virtual networks.
2. Knowledge of and skill in working on Cisco devices.

3. Ability to develop network architect protocols and standards.
4. Knowledge of and ability to compare wired and wireless systems to determine the best network solution.
 - Ability to make detailed analyses of data and information and make recommendations.
 - Ability to speak and write effectively, with emphasis on communicating technical issues to nontechnical audiences.

PREFERRED QUALIFICATIONS

- Certified as a Cisco Certified Network Associate (CCNA), Cisco Certified Internetwork Expert (CCIE), Cisco Certified Design Professional (CCDP), or Customer Voice Portal (CVP) Technician by Cisco.
- Experience with Data Center Consolidation, penetration testing, ethical hacking, and performing security assessments.

EDUCATION

- A Bachelor's Degree in Computer Science, Information Technology, or related field, or an equivalent combination of education, experience, and training that totals four years.
- A fully equivalent combination of education and training beyond what is needed to satisfy the education requirement may be used to substitute for up to two of the seven years of experience. For example, a master's degree may substitute for two years of experience.

CERTIFICATIONS AND LICENSES REQUIRED

- A state driver's license in good standing.

NECESSARY SPECIAL FACTORS

- Work is typically reviewed in progress and upon completion for quantity, quality, timeliness, teamwork, customer service, and other factors.
- May climb or crawl, or work in cramped or awkward positions.
- May be subject to night/weekend work, as well as standard on-call rotation.
- May be subject to hold over and recall on a 24-hour basis for information technology (IT) emergencies.