



*Permanent Placement & Consulting Services in Information Technology*

### **Manager, Network Infrastructure – Irving, TX**

The Network Manager is responsible for the day to day operations of the organization's core voice and data networks (wired and wireless), enterprise network architecture and security, network technology evaluations, protocol analysis, configuration, and research, complex trouble shooting and analysis and special network projects.

In addition, this management resource will take an active role in capacity planning, network monitoring and technology mentoring. The Network Manager will direct assigned project staff to design, develop and/or implement large, complex technology solutions supporting one or more business and/or technology areas.

Network infrastructure includes routers; switches; circuits; MPLS/DMVPN connectivity; voice over IP phone systems; load balancers; firewalls; VPN; DNS; IPAM; Sniffers; tapping; NAC; NTP; DDoS mitigation; proxies; network management tools; and call recording infrastructure

- Provide team leadership, advanced system administration, operational support and problem resolution for a large complex network environment.
- Prepare administer work schedules, assignments, status reports and workflow analysis.
- Assign tasks, track time, manage projects, conduct workflow analysis and perform team status reporting.
- Conduct team meetings.
- Coordinate resources for team by performing detailed planning, assigning tasks and team mentoring.
- Monitor and report upon network performance and capacity.
- Ensure network policy, controls, and procedures are maintained throughout team.
- Identifies and diagnoses complex problems and factors affecting network performance.
- Evaluates and identifies opportunities for network performance and functionality improvements.
- Implement and maintain required levels of network security.
- Forecast system demands and recommends upgrades, expansions and reconfigurations.
- Study vendor products to determine those which best meet company needs and assists in presentation of information to management result in purchase and installation of hardware and software.
- Assist in supporting non-network technologies such as Servers, SAN, and virtualization.
- Provides guidance and direction for less experienced engineers.
- Follow and be an advocate for the change management processes
- Perform network build-outs, site setup, user training, hardware/software installation, maintenance and support and documentation of operating procedures and processes as necessary.
- Troubleshoot hardware and software problems, takes appropriate corrective action and/or interacts with IT staff or vendors in performing complex testing, support, network/ router recovery, and troubleshooting functions.
- Collaborate with peers to proactively identify potential issues and areas of improvements in existing network environment.
- Manages to the tactical and operational plan for assigned technology projects in support of critical business objectives.

### **Leadership Requirements**

- Manage a geographically dispersed staff, approximately 10 Network Engineers. Coach and mentor direct and indirect reports provide continual feedback and recognition. Review and evaluate the work of staff, prepare performance reviews. Participate in decisions on human resources actions (hiring, promotions, terminations, etc.).
- Manage a budget of \$1MM+
- Develops operational plans and provides resource estimation for task planning.

### **Qualifications**

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- Good consultative, communication, analytical, and judgment skills.
- Good leadership, motivational and time management skills.
- Ability to work effectively with clients, other systems technical staff, consultants and vendors.
- Suggests solutions that make sense and are in line with future technology direction.
- Demonstrates sound analytical and diagnostic skills dealing with issues that are not readily defined and/or conflict with available information.
- Optimizes the use of all available resources.
- Maintains partnerships across the organization, and is able to influence senior management, peers and staff through an inclusive style and recognition of their abilities to achieve results.

### **Technical Skills**

- In-depth knowledge of networking and telecommunication systems, concepts, applicable methodologies, tools, standards, procedures and policies.
- Extensive knowledge of network environment consisting of all Cisco hardware.
- In-depth understanding of fiber optic communications, Cisco Routers, Switches, Wireless and IP Telephony systems (VOIP).
- Proven proficiency in the use of network monitoring or other optimization tools such as Cisco PRIME, CiscoWorks, etc.
- Knowledge of major internet routing protocols: BGP, IGMP, EIGRP, OSPF
- Ability to design, install and manage support of VPN hardware and networks.
- Ability to engineer, implement and manage support MPLS networks, SONET, Frame Relay, T-1, fractional T-1 networks.
- Experience with network load balancing, proxies, and network analyzer technologies.
- Deep knowledge of layers 1 – 4 of the OSI model. Working knowledge of layers 5 – 7.
- Experience developing scripts to automate system administration tasks including performance monitoring. Python experience a plus.
- Checkpoint firewall experience a plus.
- UNIX / Linux experience a plus.
- OpenStack; Cisco ACI; or SDN experience a plus
- External cloud migration (e.g. AWS, Azure) a plus
- Experience implementing/operating within control frameworks (e.g. HIPPA, PCI, NIST). NIST 800-53 (rev. 4) High experience a plus

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