



Position Title: Systems Engineer
Reports to: Dir Network Engineering & Operations

Department: Network Engineering
FLSA Status: Exempt

General Summary:

The System Engineer designs, configures and monitors the servers, storage and application infrastructure used to deliver PRTC's communications services. Additionally, this position is responsible for technical leadership, vendor selection, capital budget planning and technology planning for PRTC's Network Engineering department.

Essential Job Functions:

- Responsible for the design and administration of PRTC's UCS server and EMC, Cybernetics and Nimble SAN platforms.
- Administration of VMWare virtual environment for both internal and end customer servers.
- Manages PRTC's IPTV video deployment with an emphasis on the server-based back office systems, storage and applications.
- Provide recommendations on capital budget planning required for company plans and objectives for all related server and network equipment.
- Responsibilities include understanding and relating to others, design specifications, technical requirements, technical diagrams and release notes for back office applications.
- Responsibilities include developing design specifications, technical requirements, technical diagrams and documentation needed to ensure successful delivery of IP based video and multimedia applications.
- Responsible for managing essential Mediaroom functions including MS SQL servers, Web servers, firewalls, application gateways, streaming servers and encryption.
- Maintain a strong technical knowledge of Microsoft Server technologies including Hyper-V, VMWare, server administration, Active Directory, DNS, DHCP, file and print services, etc.
- Manage PRTC's network and system monitoring solutions including interoffice applications such as IM, email, billing and mapping systems, OMD(check_mk) and other operational tools.

Knowledge, Skills, and Abilities:

- Must have knowledge of blade server environments using external disk access, such as, Cisco UCS using FCOE(ISCST, NFS..etc) on EMC VNX or similar RAIDs.
- Strong knowledge of Microsoft Windows server technologies including Hyper-V (or VMWare), server administration and Active Directory.
- Must have understanding and experience with network fundamentals, such as "systems related" administration of Web servers, firewalls, application gateways, streaming servers and encryption.
- Working knowledge of current storage and data backup technologies.
- Experience with Microsoft Office 365 Administration. Installation and administration.
- Working knowledge of Linux operating system.
- Working knowledge of LAN/WAN troubleshooting, DHCP, DNS, SNMP, NAT, QoS required



Education and Experience:

- Associates degree in computer science or related field required, Bachelors degree in computer science preferred, but will consider equivalent combinations of education and experience
- Three or more years of experience in Windows and Linux server administration, network attached storage, firewalls, application gateways, relational database, and server virtualization technologies such as Hyper-V or VMWare.
- Two or more years of experience in IP network operations, WAN and LAN technologies and protocols.
- Must have a current Microsoft MCSE or Cisco CCENT certificate or industry equivalent.
- Must have advanced knowledge in CIDR and IP Subnetting.
- Must have advanced experienced in server and network troubleshooting techniques
- MCSE, Network+ or Security+ certifications preferred but not required

Evaluation Criteria:

- Knowledge and skills acquired through technical training.
- On-the-job experience in IP networks;
- Understanding of basic electronics;
- Specialized training;
- Occasional assumption of authority;
- Regular contact with vendors, industry representatives, and subscribers on IP network projects and services;
- Ability to evaluate, test, and repair all types of IP network equipment;
- Preparation of work logs, time sheets, data requests, and trouble reports;
- Ongoing need to stay abreast of routing, switching and other IP networking technology and other industry standards and specifications; and
- Ability to improve or redesign procedures for specific installation/maintenance/repair problems.

Physical Requirements:

| PHYSICAL REQUIREMENTS | 0-24% | 25-49% | 50-74% | 75-100% |
|---|-------|--------|--------|---------|
| Seeing: Must be able to read computer screen and various reports. | | | | X |
| Hearing: Must be able to hear well enough to communicate with employees and business contacts. | | | | X |
| Standing/Walking: Must be able to stand and walk | | | | X |
| Climbing/Stooping/Kneeling | | | | X |
| Lifting/Pulling/Pushing: Must be able to lift and carry 15 lbs | | | | X |
| Fingering/Grasping/Feeling: Must be able to write, type, and use phone system. | | | | X |



Working Conditions:

Normal working conditions

Note:

The statements herein are intended to describe the general nature and level of work being performed by employees, and are not to be construed as an exhaustive list of responsibilities, duties and skills required of personnel so classified. Furthermore, they do not establish a contract for employment and are subject to change at the discretion of the employer.