

Network/Systems Engineer

Primary Purpose

The Network/Systems Engineer will assist in the conceptualization, design, implementation and administration of the computer and network systems of West Orange-Cove CISD. This position was developed to coordinate with district departments to assist in the implementation of software and network infrastructure projects within the district. This position will also require a good working knowledge of West Orange-Cove CISD business processes, desktop environment, network/server environment, application dependencies and the general technical environment in which these processes function.

Knowledge and Skills

- Experience in Cisco/Meraki network hardware
- Experience in virtualization (VMWare)
- Experience in scripting
- Experience in SAN and NAS storage environments
- Basic understanding of SQL, Java, Web browsers

Major Responsibilities and Duties

- Administer systems and servers related to the network for the purpose of ensuring availability of services to authorized users
- Work with vendors to implement and deploy district wide software applications involving the uploading of users, data and development of processes
- Align network services for the purposes of following the mission, vision and values of the District and Department
- Develop and maintain scripts and utilities for the purpose of automating repetitive routines and administer network/server control systems
- Perform e-discovery services (e.g. forensic investigations) for the purpose of investigating issues
- Provide and recommend professional development for others and self for the purpose of updating training
- Develop and maintain district help page with instructions on common procedures performed on district software systems
- Establish and maintain imaging system for district computing equipment
- Establish and maintain best practice for server/storage network(e.g. performing/maintaining backups, offsite backup/storage, redundancy in infrastructure, battery backup and power conditioning, life cycle replacement of infrastructure, remote notification of issues or outages)
- Work with team in design/maintenance and interoperability of communication systems for district(e.g. IP based phone systems, intercom and video communication)

- **Develops standards for network attachment, network security, construction materials, and practices to establish orderly infrastructure for maintenance and upgrade control, and to protect the computer environment from corruption for the purpose of architecting, delivering and maintaining a reliable and stable technology infrastructure appropriate to support the core instructional mission of the district.**
- **Develop schedule for consistent software updates to network equipment**
- **Develop schedule for district automated computer updates**
- **Implement best practices in delivery of data over district network and prevention of issues causing delays or outages(broadcast storms, faulty cabling, etc.)**
- **Package and deploy applications to district computers and users**
- **Strong organizational, analytical, communication, public relations and interpersonal skills.**
- **Ability to learn and work on new technologies**
- **Maintain security, backup, and redundancy strategies**
- **Provide Level 2 and 3 support to users**
- **Other duties as assigned**

Qualifications

Associate's Degree

Bachelor's Degree Preferred

Cisco certifications preferred

Working Conditions

Mental Demands

Ability to communicate effectively (verbal and written); interpret policy, procedures, and data; coordinate district functions; maintain emotional control under stress

Physical Demands/Environmental Factors

Frequent district-wide and occasional statewide travel; occasional prolonged and irregular hours. Frequent standing, stooping, bending, kneeling, pushing and pulling. Prolonged use of computer and repetitive hand motions. Occasional lifting up to 50 pounds.