



COMMONWEALTH OF KENTUCKY JOB CLASS SPECIFICATION

NETWORK ARCHITECT

Job Number: 21005102

Job Code: 73940V250216

Job Group: 7300 - INFORMATION MANAGEMENT SYSTEMS

Job Established: 02/16/2025

Job Revised:

Grade: 17 Salary (MIN - MID):

\$30,082-\$45,123 - Hourly

\$4,888.34-\$7,332.50 - 37.5 Hr. Monthly Salary

\$5,214.22-\$7,821.32 - 40 Hr. Monthly Salary

Special Entrance Rate:

\$38,544 - Hourly

\$6,263.40 - 37.5 Hr. Monthly Salary

\$6,680.96 - 40 Hr. Monthly Salary

PROBATIONARY PERIOD:

This job has an initial and promotional probationary period of 6 months, except as provided in KRS 18A.111.

CHARACTERISTICS OF THE JOB: *Characteristics of a job are general statements indicating the level of responsibility and discretion of positions in that job classification. These are not intended to be an exhaustive list.*

Responsible for the strategic and conceptual blueprint of network design to include master planning of network structure and functionality to ensure the network is scalable, adaptable, and compatible within Commonwealth of Technology (COT) and non-consolidated agencies; and performs other duties as required.

MINIMUM REQUIREMENTS:

EDUCATION:

Graduate of a college or university with a bachelor's degree OR a graduate of a college or university with an associate's degree in information technology (IT) or related field OR certification in an IT related field.

EXPERIENCE, TRAINING, OR SKILLS:

Must have four years of professional network experience in network support and administration.

Substitute EDUCATION for EXPERIENCE:

A master's degree in computer science will substitute for one year of the required experience.

Substitute EXPERIENCE for EDUCATION:

Two years of additional network experience will substitute for the education requirement.

SPECIAL REQUIREMENTS (AGE, LICENSURE, REGULATION, ETC.):

Must possess and maintain a valid driver's license to qualify for employment in this job classification. Must maintain any required licensure(s), certification(s), or other credentials for the length of employment in this job classification. Employing agency is responsible for ensuring employee possesses and maintains required licensure(s), certification(s) or other credentials.

EXAMPLES OF DUTIES OR RESPONSIBILITIES OF THE JOB CLASSIFICATION: *Examples of duties or responsibilities are not to be construed as describing what the duties or responsibilities of any position shall be and are not to be construed as limiting the appointing authority's ability to assign, or otherwise alter the duties and responsibilities of a position. This is not intended to be an exhaustive list.*

Designs and plans overall telecommunications infrastructure solutions based on enterprise requirements. Communicates and provides strategic guidance with executive leadership on design and implementation plans to ensure security, compliance, performance, capacity, and documentation meet requirements. Manages complex network and telecommunications projects and initiatives. Designs, implements, and maintains network infrastructure solutions. Evaluates and recommends new network technologies and solutions. Develop network architecture plans based on organizational needs, growth projections, and technology trends. Lead the implementation of network solutions, ensuring they align with architectural designs and meet performance requirements. Troubleshoot advanced issues. Design and implement network security measures, including firewalls, intrusion detection/prevention systems, and encryption protocols. Create accurate documentation of network configurations, diagrams, and procedures. Manages budget and network resources. Coordinates with vendors and contractors. Creates any needed documentation service agreements and statements of work. Manages work sites and reviews finished work for quality. Creates strategies and procedures to avoid risks and resolve issues. Implement strategies to optimize network throughput, reliability, and scalability. Forecast network capacity requirements and plan for future growth. Evaluate network performance metrics and adjust capacity as needed to support business objectives. Coordinate with other IT teams to ensure alignment between network capacity and resource utilization. Advises executive management on emerging network and communications technologies and trends and their impact on the infrastructure. Creates policy and procedures for support system to be trained to support team. May supervise other employees involved in providing Network support services. Reviews completed work and ensures that all standards, specifications, and deadlines have been met.

UNIQUE PHYSICAL REQUIREMENTS:

Any unique physical requirements necessary to perform the duties of a specific position will be listed on the individual position description, if applicable.

TYPICAL WORKING CONDITIONS: *Incumbents in the job will typically perform their job duties under these conditions.*

Incumbents working in this job title typically perform their work in an office setting.

ADDITIONAL REQUIREMENTS:

Upon employment, employees in this job classification may be required to drive a licensed vehicle. Applicants and employees in this job classification may be required to submit to a drug-screening test and background check. Applicants and employees in positions which perform job duties that may require contact with offenders in the custody or supervision of the Department of Corrections or with youth in the care, custody, or supervision of the Department of Juvenile Justice must meet qualifications pursuant to the federal Prison Rape Elimination Act, 28 C.F.R.115.17 and 115.317.

The Commonwealth of Kentucky does not discriminate on the basis of race, color, sex, disability, age, national origin, religion, sexual orientation, gender identity or expression, pregnancy or related medical condition, marital or familial status, ancestry, political affiliation, genetic information, or veteran status in accordance with state and federal laws.