



STATE OF NORTH CAROLINA  
invites applications for the position of:

# Network Engineer II

**JOB CLASS TITLE:** Network Engineer II

**POSITION NUMBER:** 60005199

**DEPARTMENT:** Administrative Office of the Courts

**DIVISION/SECTION:** Technology Services Division

**SALARY RANGE:** \$77,954.00 - \$132,044.00 Annually

**SALARY GRADE:** 26

**COMPETENCY LEVEL:** Not Applicable

**APPOINTMENT TYPE:** Permanent Full-Time

**WORK LOCATION:** Buncombe County

**OPENING DATE:** 08/04/22

**CLOSING DATE:** 08/18/22 5:00 PM Eastern Time

**DESCRIPTION OF WORK:**

**SALARY GRADE:** 26

**Judicial Branch employees are eligible for the North Carolina State Government benefits package.** The comprehensive collection of options including employer paid health insurance, low-cost insurance for dental, vision, and other insurance options, 12 paid holidays, generous vacation and sick leave, and retirement benefits. Benefit offerings depend on employment status. See the [Benefits Eligibility Chart](#) for more information.

The North Carolina Administrative Office of the Courts (NCAOC) seeks a qualified **Network Engineer II** to support its mission to protect and preserve the rights and liberties of all the people by providing a fair, independent, and accessible forum for the just, timely, and economical resolution of their legal affairs. The Technology Services Division values a healthy work/life balance for all its members. Productivity and creativity are evident in the high job satisfaction of our teams. Come check us out!

As a Network Engineer you will be responsible for supervising the installation, maintenance, and operation of an enterprise level wide area network (WAN), associated hardware and software. Additionally, you will diagnose and resolve complex wide and local area network issues, directly support the networking needs of 8000+ users and serve as the lead technology support for eCourts in regards to the WAN and LAN.

Your primary duties include, but are not limited to the following:

- Design and implement wide area networks including network servers, hubs, routers, and other peripheral devices in support of the Judicial Branch's eCourts efforts.
- Operate and maintain wide area networks, track significant problems, monitor performance, and perform upgrades to hardware and software as required.
- Install or modify existing installations of networked computer hardware, software, and other components.
- Participate in long- and short-range technology planning.
- Implement Proof of Concept technical projects which are specifically related to information technology infrastructure and the support of eCourts.
- Use knowledge and experience in project management methodologies to define concepts, scope, plan, and work priorities.
- Orchestrate the testing and compliance of new technology with existing systems.
- Coordinate with other technical groups the procedures for pilot implementation and rollouts of acceptable technologies; which requires extremely detailed technical consultation with the Network Design, Applications, Field Support, and Network Security Teams.
- Lead in the efforts of Malware intrusion detection, quarantine, and resolution.
- Assist in educating the organization of threats and preventive measures.
- Identify and provide quick resolution to potential malicious network activity by internal network users as well as outside threats.

This position reports to the Network Operations & Administration Manager. Work hours are generally 8:00 AM - 5:00 PM, Monday - Friday with some flexibility. **In this position, you will have an opportunity to work remotely (up to 75%).**

**This position can be filled at any location within Buncombe, McDowell, Rutherford, Henderson, Haywood, Madison, and Yancey counties.**

### **KNOWLEDGE, SKILLS AND ABILITIES / COMPETENCIES:**

**Knowledge of:** leading edge enterprise WAN and LAN networking technologies and architectures; network topologies to design, implement, and support wireless data infrastructure and data center backhaul; security practices to evaluate security risks, mitigation strategies and strengths of networks against modern threat vectors; understanding product roadmaps and industry trends; network and computer system best practices and related technologies; and NCAOC security policy and Criminal Justice Information System (CJIN) policies.

**Skills in:** system administration and maintenance for Cisco Unified Communications solutions suite including Call Manager v12.5, UCCX, Finesse, Unity, SIP service, video expressways and Webex administration; modern enterprise software-based WAN routing architectures utilizing Cisco vManage SDWAN orchestration; LAN development, implementation and support utilizing Cisco's Digital Network Architecture (DNA) Center; design concepts, implementation considerations and operational support and troubleshooting of wireless network infrastructure and backhaul methodologies; troubleshooting internet and intranet related problems and support of performance and application-based routing for business critical systems on data, voice and video networks directly supporting eCourts initiatives and deployment; configuring, monitoring, and responding to outages and network performance and network security issues via LiveNX and Secureworks; and networking protocols such as BGP, EIGRP, IPsec, IEEE standards, IEEE 802.11 and 802.1x, and OSPF; routers, switches, servers, internet protocol, DSL, cable, satellite, and TCP/IP architecture.

**Ability to:** demonstrate expert level knowledge of advanced software defined network implementation

and troubleshooting in enterprise WAN and LAN environments including VoIP; demonstrate knowledge and/or have specific training completed to support next generation application-based routing environments to include Cisco suite of SDN tools like vManage, DNA Center and LiveNX; demonstrate ability to plan and execute network related OS patches and upgrades to mitigate vulnerabilities; prioritize, plan, manage and implement multiple complex projects independently; produce highly technical documents in support of deployed technologies; consider the implications of new technology implementations and balance the application and system needs of users; communicate effectively with users to determine and resolve problems; design security networks that minimize the chance of intrusion into judicial branch networks; communicate technical information to lay persons; and interpret and follow established employment and policies.

### **MINIMUM EDUCATION AND EXPERIENCE REQUIREMENTS:**

Bachelor's degree in computer science or another related information technology field and four (4) years of related work experience in computer systems networking and maintenance; or an Associate degree and six (6) years of related work experience in computer systems networking and maintenance; or an equivalent combination of education and experience.

**Attach cover letter and résumé.**

Out of state applicants are encouraged to apply; however, NCAOC does not reimburse travel or relocation expenses.

### **SUPPLEMENTAL AND CONTACT INFORMATION:**

The Technology Services Division of the NC Administrative Office of the Courts is an award winning team! Check out our recent accolades:

#### **[Center for Digital Government - Digital Government Achievement Awards](#)**

2012 State Level - Government to Government

2008 State Level - Government to Citizen

2003 State Level - Best of the Web (BOW)

#### **[Government Computer News Award](#)**

2014 IT Excellence - Public Sector Projects

#### **[National Association of State Chief Information Officers](#)**

2012 State Level - Government to Business

2007 State Level - Government to Government

**[Meet the TSD Team](#)** of the NC Administrative Office of the Courts.

#### **Employment Benefits**

Generous Insurance Options

Retirement Package (purchase option for other government plans)

Flexible Benefits Package

401(k)

Vacation & Sick Leave

Longevity Program

Service Awards

Come join a great team! Learn more about the NC Administrative Office of the Courts

here: <http://www.nccourts.org/Careers>

## INSTRUCTIONS:

**Applicants must complete an application through NeoGov, the North Carolina state government job application program. Go to <https://www.governmentjobs.com/careers/northcarolina> to apply for this position. Mailed or faxed applications will not be accepted.**

Before applying, please read the [Online Employment Application Guide](#) for instructions on creating your profile and applying for specific postings.

It is important your application includes all of your relevant education and work experience and that you answer all questions associated with the application to receive proper credit. Résumés are not accepted in lieu of fully completed applications.

**\*NOTE\*** Many job postings require certain documents be attached to an application. Verify your application is complete and uploaded documents are attached to your application before submitting it. Applications may not be altered after they have been submitted.

Carefully review the [FAQs](#) if you experience difficulty with the application process or attaching documents. For technical issues with applications or attachments, call the NeoGov Help Line at 855-524-5627.



*All NC Judicial Branch agencies are Equal Opportunity Employers.*

The North Carolina Judicial Branch participates in E-Verify, an internet-based system that compares information from an employee's Form I-9, Employment Eligibility Verification, to data from the US Department of Homeland Security and Social Security Administration records to confirm employment eligibility. To learn more, click on these links:

[E-Verify Participation](#)

[E-Verify Participation \(Spanish\)](#)

[Right to Work](#)

[Right to Work \(Spanish\)](#)

Travis Davis  
NC Administrative Office of the Courts

Human Resources Division

<https://www.nccourts.gov/about/about-judicial-branch/careers>