MCNC develops and delivers high-quality Internet connectivity solutions and value-added technology services to propel our state forward.
MCNC owns, builds, and operates the North Carolina Research and Education Network (NCREN), a world-class broadband infrastructure that brings cost-efficient connectivity and technology services to every corner of our state. With regions ranging from rural to urban, mountain to coastal, NCREN scales to meet each community’s broadband needs and provides value-added solutions to support their economic development, collaboration, and innovation.

MCNC’s Broadband Connection Includes:

- Symmetrical up/down speeds
- Domain name service
- Enhanced DDoS protection
- IPv4 and IPv6 addresses
- Proactive 24x7x365 NC-based support
- 99.2% client satisfaction

4,000+ MILES OF FIBER OPTIC INFRASTRUCTURE

Multiple high-capacity geographically diverse connections to Tier 1 commodity Internet providers

Direct Layer 2 access to Amazon AWS Direct Connect, Microsoft Azure Express Route, and Google Platform Dedicated Interconnect

Direct peering with major public cloud providers via high-capacity, geographically diverse peering with the Internet2 Peering Exchange

High-capacity, geographically diverse “On-Net” caching engines from major CDNs and large content providers
Beyond the Network

**CONNECTIVITY**

Our high-quality fiber network system provides the state’s community anchor institutions with reliable, secure, and fast Internet connections. We offer high-speed, broadband Internet access, fiber-optic-based services, wavelength transport (Lambda) point-to-point ethernet circuits, and carrier-grade ethernet transport services.

**SECURITY**

We help our clients solve their toughest security challenges so they can safely and confidently collaborate online or in the cloud. Secure Application Access, Active Vulnerability Analysis, DNS Security Filtering, Web Security Service, and complimentary Enhanced DDoS Protection services have been designed, developed, and delivered in partnership with our clients and the vendor community.

**CONSULTING**

Our team of subject matter experts is ready to assist your organization with its security and network design, integration, and maintenance needs. Through short- or long-term engagements, we can help augment your team's cybersecurity capabilities, deploy and maintain more efficient and effective networks, and leverage video conferencing technologies.

**DATA CENTER**

MCNC has server and storage space available to improve clients’ network performance, increase redundancies, and provide enhanced disaster recovery and business continuity during disasters, emergencies, or sudden power losses. To further protect your data, we offer colocation services, custom-built virtual machines, managed hosting, and data backup and recovery.

**COLLABORATION**

To enhance communication among teams and organizations, we provide access to collaboration tools and software at a fraction of the cost of other providers. We provide services for video conferencing, lecture and event hosting, webcasting, VoIP, and discounts on software licenses.

MCNC provides the network, services, and technical expertise to assist organizations of all sizes, and can work with you to build customized solutions.
Our Community

MCNC provides network services to more than 850 anchor institutions in all 100 counties, helping to power every sector of North Carolina’s economy.

Leading the Way Forward

As a nonprofit organization, MCNC has been serving North Carolina’s anchor institutions with high-quality connectivity services since 1980. Our team brings together innovators, collaborators, engineers, and creative thinkers who are dedicated to driving innovation forward and providing support to our clients. Every year, we continue to expand our network-based technology services to meet the strategic needs of our community and anchor institutions.

Committed to Helping North Carolina

MCNC works tirelessly to enhance the economic prosperity, education, health, and safety of North Carolina’s citizens. To ensure everyone benefits from our services, we maintain a neutral, open-access delivery model and provide a network with virtually unlimited capacity. Through these investments and public-private partnerships, we strive to create opportunity and drive progress across our state.