

ABOUT MCNC



# Connecting North Carolina to What's Next

MCNC develops and delivers high-quality Internet connectivity solutions and value-added technology services to propel our state forward.



[mcnc.org](http://mcnc.org)

# The Backbone of NC



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.



## ▶ 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

## ▶ 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

# Beyond the Network

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



## CONNECTIVITY

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



## CYBERSECURITY

We help our clients solve their toughest cybersecurity challenges so they can safely and confidently collaborate online or in the cloud. Managed Endpoint Protection, Managed Firewall, Managed Attack Surface Monitoring, DNS Security Filtering, Web Security Service, Secure Application Access 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 cybersecurity 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.



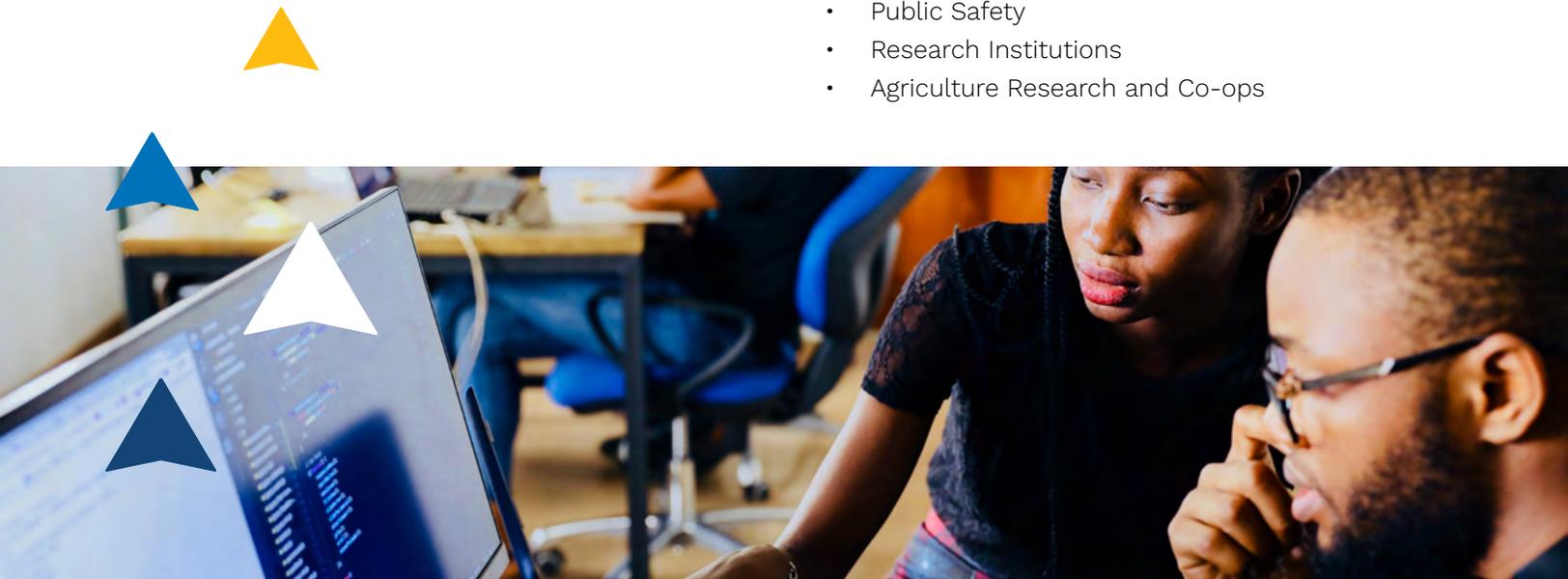
## COLLABORATION

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

# 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.

- Colleges and Universities
- Community Colleges
- K-12 Schools
- Healthcare Institutions
- Libraries
- Governments
- Cultural Institutions
- Electric Cooperatives
- Nonprofits
- Public Safety
- Research Institutions
- Agriculture Research and Co-ops



## ► **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**

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### **MCNC**

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