

Comprehensive Listing of Network Nebraska Services and Benefits (7/1/2021)

Student Learning Opportunities

- Statewide Clearinghouse and Videoconferencing Scheduling Software (www.nvis.esucc.org)
- High quality exchange of Nebraska K-12 and college video distance learning classes
- High bandwidth Internet2 access to over 90,000 education partners and content providers
- Internet2 programming and virtual museum trips from across the U.S./world
- Statewide contract pricing for Zoom videoconferencing and ancillary services

Connectivity/Transport

- Intranet Ethernet connectivity to all 293 Network Nebraska participants
- Interregional (high bandwidth backbone) Transport between Grand Island, Lincoln, Omaha, and Scottsbluff
- Access to 85Gbps of commodity Internet service with one of the lowest unit rates in the U.S.
- 10Gbps Internet2 Commercial Peering Service and prioritized routing to over 60,000 companies
- 20Gbps InterExchange Peering out of Omaha
- Co-location rack space at Lincoln core location as a subscription service
- Core router and core infrastructure cost avoidance through the University of Nebraska partnership
- Backbone transport provided by the University of Nebraska dark fiber circuits
- Dynamic provisioning of statewide Internet access

Network Management/Monitoring

- 24/7 network monitoring and operations center, 1-888-NET-NEBR (638-6327), noc@nebraska.edu
- Incident Tracking and Automated Notification System services
- Network abuse and nefarious activity monitoring, including Arbor DDoS prevention
- Route optimization and intelligent routing using Noction software
- Perfsonar distributed speed testing and network performance measurement
- IPv4/IPv6 Address management and allocation to members
- Network time server that transmits precise time information to network clients
- Level 1 network troubleshooting and support on Network Nebraska backbone, core network devices and University of Nebraska contracts for Internet access
- Level 2 network troubleshooting and support on Ethernet circuits and other participant routing and DNS
- Onsite and/or remote technician assistance, upon request

Administrative/E-rate

- RFP services and State Master Contract negotiations
- E-rate filing on the eligible portion of the Interregional Transport and statewide Internet
- Consolidated invoicing and E-rate filing on state-contracted fiber Ethernet circuits
- Membership in the Internet2 Community Anchor Program (CAP)
- Membership in the School, Health, Library Broadband (SHLB) Consortium
- Associate membership in the nationwide Quilt Consortium of Statewide Networks
- Management of the statewide purchase contracts for Ethernet transport services, Internet access, and select network equipment vendors
- E-rate archiving of bid documents, invoices, contracts, correspondence
- Continual Management of Consortium Letters of Agency to maintain E-rate eligibility
- OCIO Financial Solutions Services for budget development and vendor service orders
- State Billing services for Network Nebraska Participation Fee, Interregional Transport, Zoom, and Ethernet
- **Statewide partnership in eduroam implementation and cybersecurity training and awareness resources**
- Network Nebraska website (www.networknebraska.net) development and support