

INTERNET2 MEMBERS

ADVANCE

RESEARCH & EDUCATION

Join the community of R&E IT Leaders  INTERNET2.EDU/ADVANCE



Discover where
our members find value

If not for Internet2 members...

our world would be a different place.



Internet2 members move scholars, scientists, and researchers into the future.

Universities founded Internet2 to empower member institutions to make advancements as a community that were not possible to accomplish on their own.

Technologically, scholarly, and scientifically advanced institutions win more funding, do better work, and attract the best students, faculty, and researchers.



What do you love about being an Internet2 member?



John Kolb, CIO
Rensselaer Polytechnic Institute

“

“Regardless of the challenge or opportunity I’m facing, my peers are in a similar position. I have a community that can discuss and determine how to move forward with shared solutions that address our needs.”

Carrie Rampp, VP & CIO
Franklin & Marshall College

“

“We save immense amounts of dollars and resources. When I need to immediately scale bandwidth and connect to new applications or providers, we have community ownership and control of our infrastructure.”

Tracy Futhey, VP & CIO
Duke University

“

“Seamless connectivity across the world would be nearly impossible without the community-owned and operated cyberinfrastructure through Internet2.”

INTERNET2 IS US.

About Internet2 Members



As a community of technology leaders, Internet2 members are committed to advancing the technical capabilities of research and education (R&E). What our members accomplish together, they could not do on their own.

Our membership comprises:

- CIOs, CTOs, CISOs and Technology Experts
- Executive Leaders
- Educators
- Researchers
- Research Computing and Data Professionals

From institutions & organizations consisting of:

- U.S. Universities
- Regional and State R&E Networks
- Government Agencies
- Industry Collaborators
- National R&E Network Operators Representing 100+ Countries
- K-12 Schools, Community and Vocational Colleges, Public Libraries, Health Care Facilities, Museums, and Other Cultural and Historic Organizations

Visit internet2.edu/community to see the full listing of our membership



Internet2 gives you and your institution

ACCESS to the **people,**
networks, and **technologies**
that can help you **LEAD**



NETWORK

→ p 05 - 08



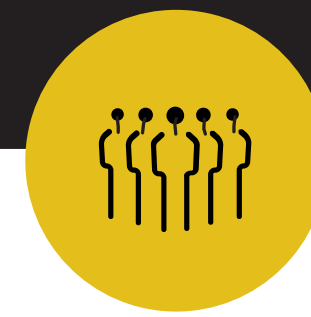
CLOUD

→ p 09 - 12



SECURITY

→ p 13 - 16

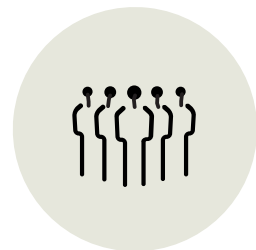


COMMUNITY

→ p 17 - 20

Access the Internet2 Network Infrastructure

Revolutionary things become possible with exclusive access to the national high-performance network infrastructure.



COMMUNITY



CLOUD



SECURITY



NETWORK

Access the Internet2 Network Infrastructure



NETWORK



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SECURITY



COMMUNITY



ADVANCING EDUCATION & SCIENCE

Internet2 delivers the national high-performance network infrastructure built to advance education and science.



PROVIDING PERFORMANCE & RESILIENCY

The Internet2 network provides performance, resiliency, security, and fully automated capabilities demanded by the most advanced applications – all with a greener footprint.



CREATING GLOBAL ACCESS

Internet2 creates global access to next-generation research and scholarship.



YOUR VALUE INCLUDES



NETWORK



CLOUD



SECURITY



COMMUNITY

Members get direct access to the largest cloud providers through Internet2 Peer Exchange and Cloud Connect

Unique visibility into the network's performance worldwide, with stats and availability metrics transparent to all members

Global reach and global scale for your research and education collaboration

Network automation, orchestration, and management – incorporating AI and machine learning for smarter, more efficient network operations

A network with exponentially more capacity than other consumer networks

Participating in the use of advanced technologies that decrease the network's total power consumption by 68% – significantly reducing its carbon footprint

NETWORK INFRASTRUCTURE

About the Internet2 Network, Available to All Member Institutions



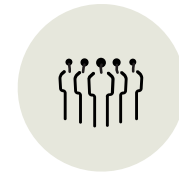
NETWORK



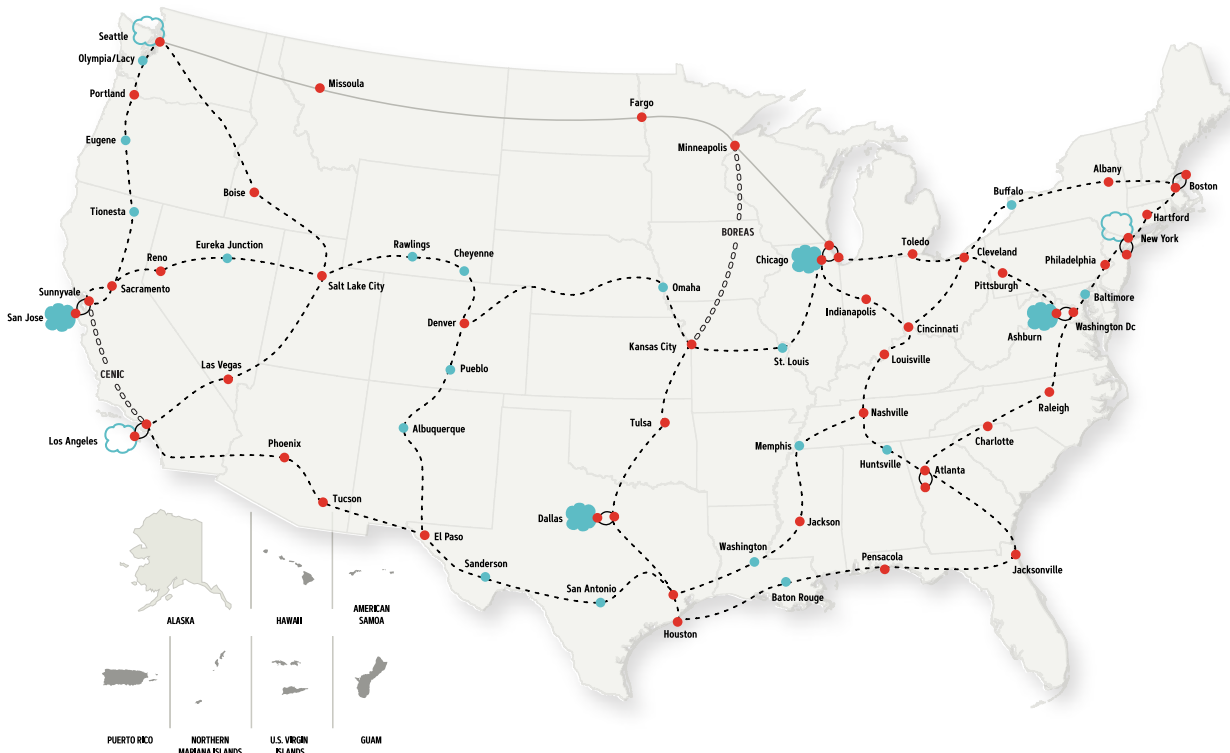
CLOUD



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800G

Wavelengths of Network Capacity

32 Tbps

Capacity Per Link with Zero Congestion

100% Automated

Configuration Management and Service Provisioning

12,000 Miles

of Optical Fiber Spanning the Contiguous U.S.

11+ Petabytes

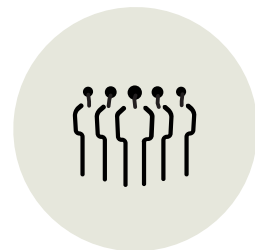
Network Traffic Daily

390+ Universities, Scientific & Research Facilities, Data Assets & HPC Resources Connected to

100+ Countries

Across **70 National** R&E Networks

Access Customized Cloud Services



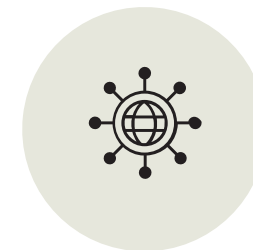
COMMUNITY



CLOUD



SECURITY



NETWORK

Save cost, manage risk, and implement optimized services faster with access to leading cloud services customized for colleges, universities, and R&E organizations.

CUSTOMIZED CLOUD SERVICES

Access Customized Cloud Services



NETWORK



CLOUD



SECURITY



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EASIER & MORE SECURE

Internet2 gets you to the cloud easier and more securely, with the largest service providers.



VENDOR MANAGEMENT & PROCUREMENT

Internet2 NET+ provides community-powered vendor management and procurement with pre-negotiated contract terms, pricing, and services tailored for the R&E community.



SECURITY, COMPLIANCE, & CONTRACTING

Internet2 NET+ develops and customizes cloud services to meet the specific needs of R&E - security, compliance, and contracting.

YOUR VALUE INCLUDES



NETWORK



CLOUD



SECURITY



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Faster and more secure access to the world's largest cloud providers

Opportunities to apply for cloud grants and credits

20+ leading cloud services customized for R&E

Customizations for Internet2 members include:

- ↳ Pre-Negotiated Terms and Pricing
- ↳ Service Vetting by Peer Community
- ↳ Vendor Management at Scale
- ↳ Accessibility Requirements Met
- ↳ Security Reviews
- ↳ Integration with R&E Technologies

Training for your IT team via Cloud Learning and Skills Sessions (CLASS), workshops, and events

R&D opportunities with federal agencies

CUSTOMIZED CLOUD SERVICES

Customized Cloud Services, Available to All Member Institutions



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Largest

Cloud Providers Accessible Via Dedicated Interconnect and Existing Peering

Up to 5 Gbps

Cloud Connect Direct (IaaS) Access at No Additional Cost

10 Gbps

Interconnections to Any Service Provider, Including Any Cloud Provider

1,100+

Active Subscriptions

520+

Institutions Subscribing to NET+

110+

Institutions Contributing to a NET+ Service Evaluation

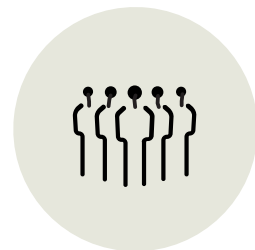
25+

Advisory & Working Groups

20+

Leading Cloud Services

Access Trusted Security & Identity ...



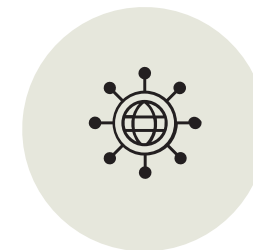
COMMUNITY



CLOUD



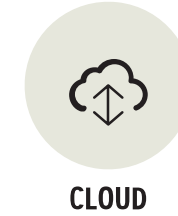
SECURITY



NETWORK

Secure and seamless access management with systems, software, and services across our network allows members to get a leg up on maintaining a secure infrastructure and enable frictionless collaboration with other institutions' faculty, staff, and researchers around the world.

Access Trusted Security & Identity



EXTEND CONTRIBUTIONS

Internet2 Members extend the contributions of teaching, learning, scholarship, and research because identity and access management (IAM) is already integrated across the globe through a community-developed trust network, single sign-on, and seamless access to cloud and local services.



BOLSTER YOUR INFORMATION SECURITY

Internet2 helps members bolster their information security with a portfolio of community-vetted cloud security services and community-powered security standards.

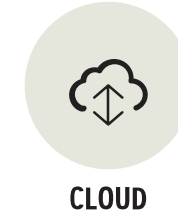


PROTECT CLOUD-BASED FUNCTIONS

Internet2 helps members protect cloud-based academic and business functions, and identify service issues across national and international networks.



YOUR VALUE INCLUDES



Single-access credentials to the worldwide R&E community

Access to InCommon Academy – Training on how to use and optimize federated identity services

Preferred pricing on website security certificates, including automated certificate lifecycle management

Stronger routing integrity with Internet2 community-powered security standards

Access to cloud security services that are all vetted by the Internet2 community:

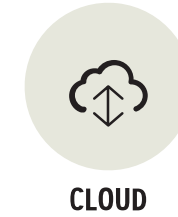
- ↳ NET+ ServiceNow
- ↳ NET+ Splunk
- ↳ NET+ Duo
- ↳ NET+ CrashPlan

Performance and analytics services to help identify service problems across national and international networks

Access to eduroam, giving your users seamless and secure access to 33,000+ global WiFi hotspots

TRUSTED SECURITY & IDENTITY

Security & Identity, Available to All Member Institutions



1,000+
InCommon Participating
Organizations

690+
InCommon Certificate Service
Subscribing Institutions

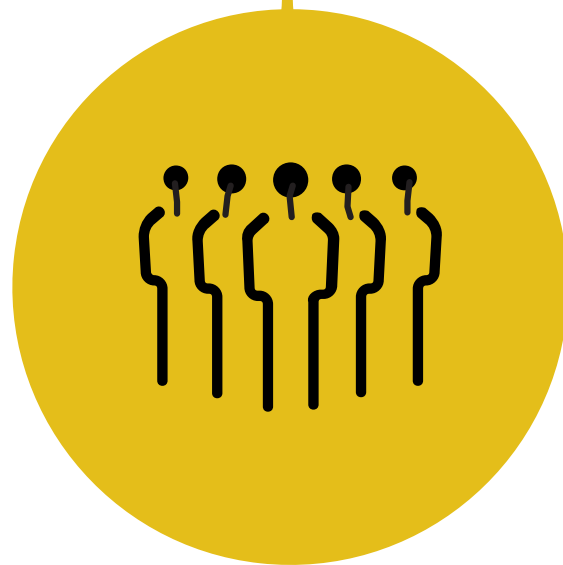
271,400+
Active Certificates to Institutions

3,900+
Volunteer Hours Contributed
Annually to Drive the Work

3,400+
eduroam Hotspots Across the U.S.

20 Years Experience
Helping Organizations Futurize Their
Access Management Strategies

Access the Internet2 Peer Community ...



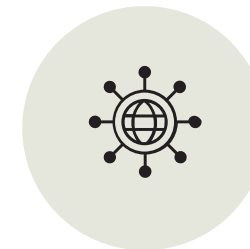
COMMUNITY



CLOUD



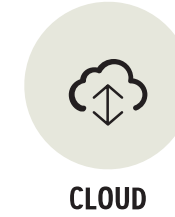
SECURITY



NETWORK

The Internet2 community of peers is what creates leverage, efficiency, and capability for you and your institution.

Access the Internet2 Peer Community



EXPAND LEARNING, SCIENCE, & RESEARCH

Internet2 community members join together to expand learning, science, and research capabilities of their institutions.



TRANSCEND INSTITUTIONAL BOUNDARIES

Internet2 is a human network that transcends institutional boundaries and creates partnerships.



CO-CREATE WITH OTHER R&E LEADERS

Internet2 is the hub of partnerships that R&E leaders use to co-create custom services and infrastructure for the best science and scholarship.



YOUR VALUE INCLUDES



NETWORK



CLOUD



SECURITY

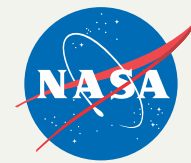
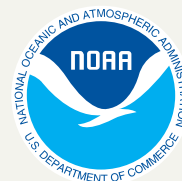


COMMUNITY

Members-only Advisory and Governance Groups providing direction and input on the future of Internet2 services and programs

Support for your institution's research through consultation, training, advanced technologies, and funding support

Access to partnerships with:



Smithsonian



National Science Foundation

Resources, tools, and relationships to lead your organization more effectively

Benchmarking from peer communities

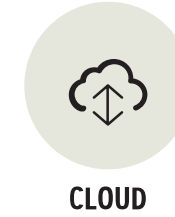
Active interaction with peers

PEER COMMUNITY

About the Internet2 Peer Community, Available to All Member Institutions



NETWORK



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SECURITY



COMMUNITY



95%
of Nation's Largest Research
Institutions

100%
Membership of Nation's
Regional R&E Networks

1,000+
InCommon Higher Education,
Research, & Corporate
Participants

2,000+
Live Event Attendees Per Year

100+
Countries & Research Network
Connections

80,000+
Community Anchor
Institutions

330+ Higher
Education
Members

50+ Affiliate &
Government
Members

46
Regional & State Networks

INTERNET[®]
2