



Internet2 Overview

AAMU – MS-CC Workshop: Campus Technology, Cybersecurity,
& Research Computing Support

October 29, 2024

Ana Hunsinger, MS-CC

MS-CC Award # OAC-2137123, Award # OAC-2234326

Internet2 Core Components in Support of R&E



COMMUNITY

Internet2 is a community providing cloud solutions, research support and services tailored for R&E.

Our trusted, secure network empowers higher education, research institutions, government entities and cultural organizations.

330+

HIGHER EDUCATION MEMBERS

100+

COUNTRIES & RESEARCH NETWORKS CONNECTIONS

80,000+

COMMUNITY ANCHOR INSTITUTIONS

500+

NET+ SUBSCRIBERS

50+

AFFILIATE & GOVERNMENT MEMBERS

800G+

WAVELENGTHS OF NETWORK CAPABILITY

1000+

INCOMMON PARTICIPANTS

50+

INDUSTRY MEMBERS

BY THE NUMBERS

1100+

EDUROAM SUBSCRIBERS

50+

COMMUNITY GROUPS SHAPING PRIORITIES

50+

CLOUD SCORECARD PARTICIPANTS

750+

NET+ CLOUD CONTRACTS

46

REGIONAL & STATE NETWORKS

20+

NET+ SERVICE OFFERINGS

32Tbps

CAPACITY PER LINK



NETWORK



We're more than just a network

SECURITY

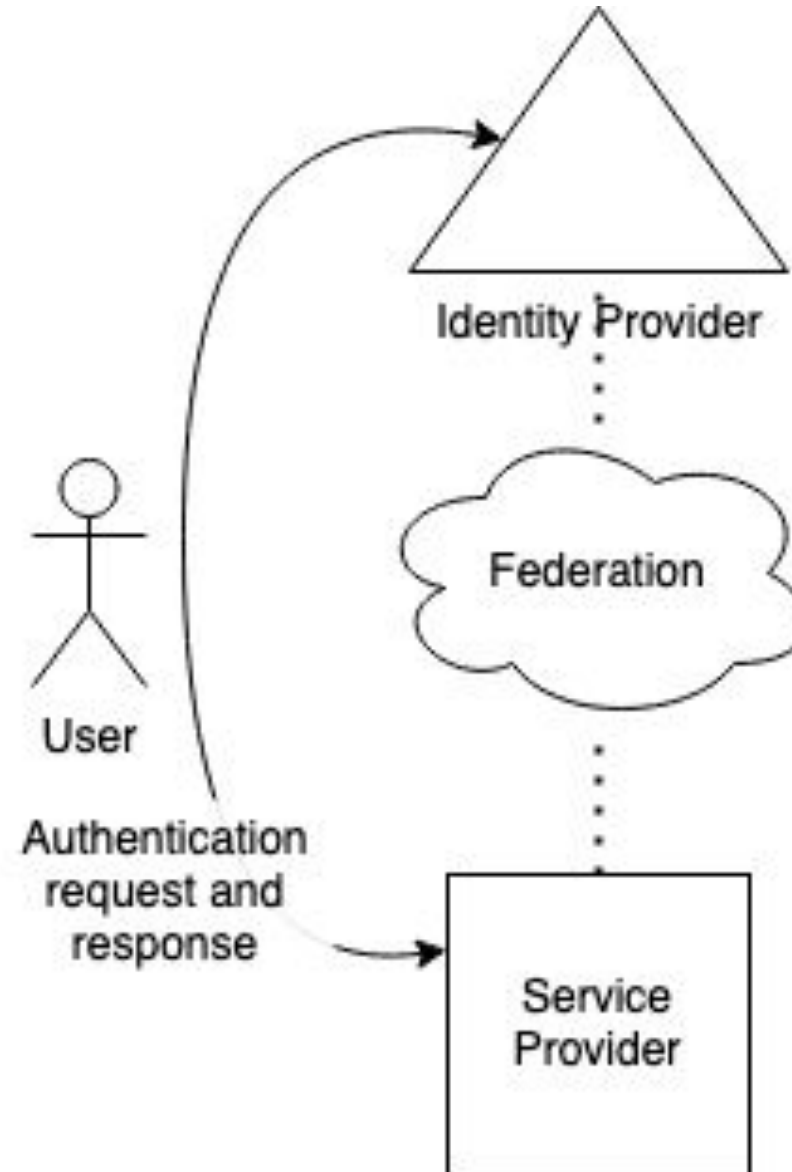


The Identity and Access Challenge

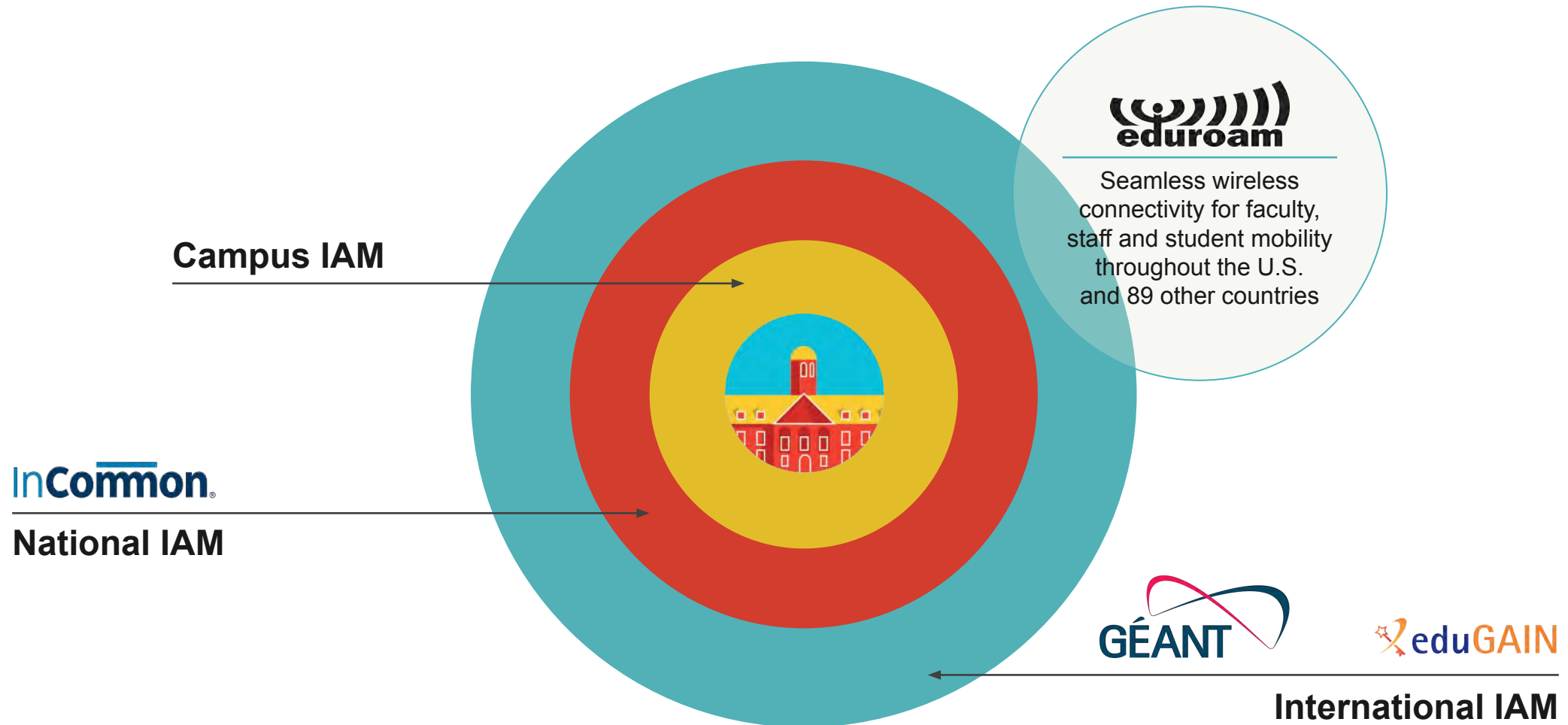
If you provide a service, you want many people from many institutions to use that service.

If you support an organization, you want your users to be able to access a wide variety of services in an efficient way with their work identity.

So how do you find (and trust) one another at scale? Federation.



Identity Management: Locally, nationally and internationally



Global High-speed, Roaming Wi-Fi Service: For researchers, students and staff wherever they are located



All of your institution's users have seamless, secure and fast internet connectivity across campuses and millions of access points across the globe using your home institution's credentials. And you save precious resources by not provisioning guest Wi-Fi accounts.



Find out more about InCommon Federation and eduroam:

www.incommon.org

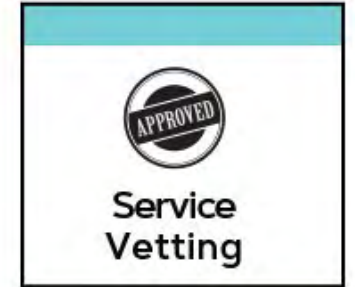
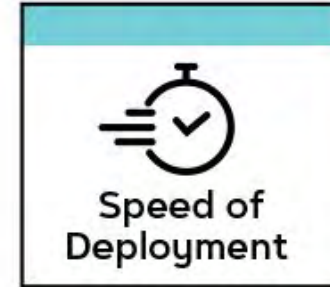




CLOUD



what
**MATTERS
MOST**
for your
cloud
services?



NET+

A Trusted Ecosystem of Tailored Top-Quality Cloud Solutions



1100+ active NET+ subscriptions

600+ institutions subscribe to at least one NET+ service

140+ institutions have contributed to at least one NET+ service evaluation

20+ NET+ cloud services in the portfolio



CLASS: Cloud Learning and Skills Sessions



CLASS fills the gaps in training for cloud and research computing. The program accelerates the adoption of best practices in research computing and data in the cloud and provides professional development for research computing and data professionals.

More info? class@internet2.edu
Visit us at <http://internet2.edu/CLASS>

Some Participating Organizations

American Indian Higher Education Consortium
DePaul University
Florida International University
Grinnell College
Harvard University
Indiana University
Jackson State University
Michigan State University
Missouri University of Science and Technology
Northwestern University
Oregon State University
Princeton University
Purdue University
Rensselaer Polytechnic Institute
Rice University
Stanford University
State University of New Jersey-Rutgers
Texas Tech University
University of British Columbia
University of California, Berkeley
University of California, San Diego
University of Delaware
University of Florida
University of Richmond
University of South Carolina
University of Utah
University of Virginia
University of Washington
University of Wisconsin-Madison



COMMUNITY



The heart of who we are and what we do



Snapshot for today

Institutions at workshop:

| |
|---|
| Alabama A&M University |
| Alabama State University |
| Clark Atlanta University |
| Georgia State University |
| Jackson State University |
| JF Drake State Community & Technical College |
| Meharry Medical College |
| Spelman College |
| Stillman College |
| Tennessee State University |
| Tuskegee University |

Internet2 members: Alabama A&M University, Clark Atlanta University, Georgia State University, Jackson State University, Meharry Medical College

Internet2 network connectors in the region: SoX, MISSION

eduroam subscribers: Alabama A&M University, Georgia State University, Jackson State University

NET+ subscribers: Jackson State University (Panopto)

InCommon Participant: Georgia State University