



**OARnet**

an Ohio Technology Consortium Member



# IAMOhio: OARnet's Trusted Identity Federation

Internet2 Fall Member Meeting 2012  
Philadelphia, PA

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# OARnet's IAMOhio

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# IAMOhio Background

## Problems

- Multiple logins, multiple passwords
- Lack of access to applications and services
- Risk of privacy breaches
- Lack of trust in identity and privacy claims
- Disconnected silos of information
- Duplicated effort and expense

## Goals

- A single ID for every single user
- A standard method to access applications and services
- Less opportunity to breach identity data
- Individual control of identity and trust
- Connected fabric of services
- Reduce duplication, support costs

# IAMOhio Program Development

## History

- 2010 Ohio Board of Regents CIO Council approved initial program
- 2011 readiness survey:
  - Some institutions lead (notably large four-year schools, )
  - Smaller privates, community colleges, K-12 schools less prepared for federation and trusted identity

## Approach

- Treat like any other service offering, permanent staff
- Based on member needs, collaborative with members
- Education and practices as much as technology and operations
- Technological alignment with InCommon
  - Not restricted to InCommon services or members
  - E.g. State Library Services (OhioLink), EduRoam-US

# IAMOhio Trusted Identity Model

## Federated Services Catalog

### Cloud Services

- Google
- Microsoft
- Apple
- 100's more...

### Ohio Shared Services

- OhioLINK
- EduRoam
- OARnet/OSC
- SSID

### State Collaboration

- Research
- Teaching
- Transcripts
- Shared classes

### National Programs

- NSF
- NIH
- DOE
- NSCH
- InCommon



# IAMOhio Governance

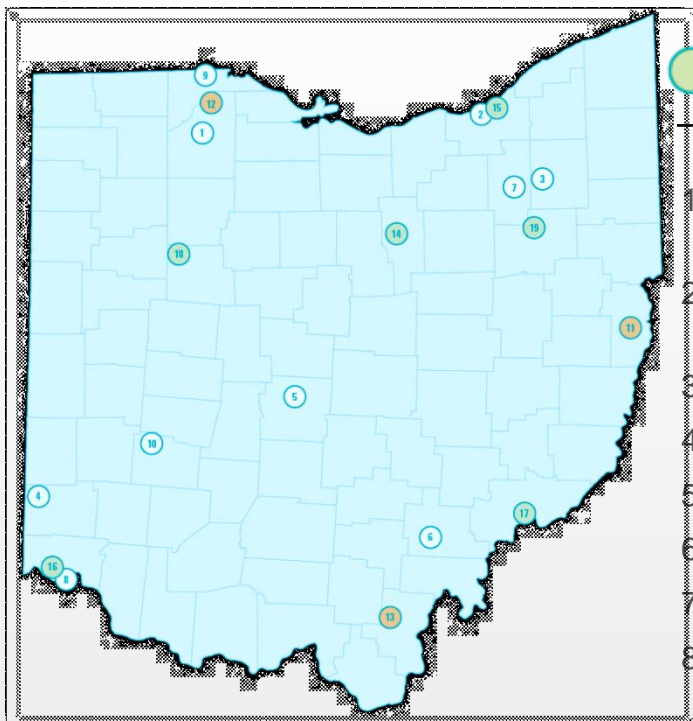
## Governance Environment

- Program scope: Public and private universities and state agencies, extendable to K-12, hospitals, research
- Loose organization
  - University System of Ohio means “*the collective group of all of the state institutions of higher education*”
  - Both Ohio Board of Regents and individual Boards of Trustees with “*full power and authority on all matters relative to the administration*”
- Strong desire for self-sustainment and demonstrated value

## Governance Model

- Program managed by OARnet, Ohio’s research and education network
- Administered under Ohio Board of Regents and OSU Department of Research
- Program oversight by Steering Committee of IAMOhio Members

# IAMOhio Membership



 **Public University**

 **Community or Technical College**

 **Private College or University**

- |                                   |   |                                     |
|-----------------------------------|---|-------------------------------------|
| 1. Bowling Green State University | 11. Eastern Gateway Community College                         | 14. Ashland University              |
| 2. Cleveland State University     | 12. Owens Community College                                   | 15. Case Western Reserve University |
| 3. Kent State University          | 13. University of Rio Grande and Rio Grande Community College | 16. Hebrew Union College            |
| 4. Miami University               |   | 17. Marietta College                |
| 5. Ohio State University          |   | 18. Ohio Northern University        |
| 6. Ohio University                |   | 19. Walsh University                |
| 7. University of Akron            |   |                                     |
| 8. University of Cincinnati       |   |                                     |
| 9. University of Toledo           |   |                                     |
| 10. Wright State University       |   |                                     |

# Technical Factors

- **Technical factors**
  - Wide variety of platforms
    - Active Directory common (75%) but not universal
    - Shibboleth has limited deployment
  - Lots of legacy and home-grown IDM
  - Variety of potential services
    - Some SAML-enabled (OhioLink)
    - Many not (EduRoam-US)
- **Technical approach**
  - Focus on Identity-as-a-Service
    - Pilot with commercial partners
  - Combination open source/commercial
  - Multi-protocol



# Business Factors

- **Identified Barriers**
  - Bringing registrars, academics, and other business owners into the IDM discussion
  - Driving IT priorities, funding, staff expertise
  - Capturing the cost to IT when the benefit is to the whole institution
  - Make IDM be seen as a strategic business enabler
- **Approach to Value Proposition**
  - Business priorities from Steering Committee:
    - Enabling both national connections (NSF, NIH) and regional connections (Ohio Shared Services, OhioLINK)
    - Enhancing the classroom and online teaching
    - Improving IT automation and efficiency
  - Outreach, branding, education, Web ([www.IAMOhio.net](http://www.IAMOhio.net)), meetings

# Economic Factors

- **Economic Factors**
  - Limited people, money, space, time
  - Different classes of institutions
    - Public (14 @300,000) (3 R1)
    - Community/technical (23 @132,000)
    - Private (50 @125,000)
    - K-12 (600 @1.8M public)
  - Aggregate purchase and shared operations
- **Operational Approach**
  - Initial seed funding to kick-start program
  - Participation fees from members based on FTE
  - Identity-as-a-Service with commercial partner(s)
  - Embrace and extend InCommon

# IAMOhio Lessons

- Consider business factors as much as technical factors
- Remembers that IT drives costs but not demand
- Identify champions who drive demand for federated services
  - Registrars, provosts, educators, researchers
- Services, services, services

*Your academic login becomes a  
single – trusted – enabling – passport  
to education, research, and collaboration opportunities  
throughout Ohio and the world.*

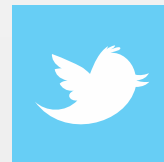
# Thank you

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