Get to Know the InCommon Catalysts

Presented By:
InCommon Catalyst Partners
InCommon Catalyst Program Overview

- InCommon Catalysts are Internet2 industry members knowledgeable about the InCommon Federation and Trusted Access Platform. Individually and collectively, they:
  - Understand the specific challenges and requirements of research and education.
  - Give back in the form of case studies, contributed code, and other services.

- While this community-driven program was “officially” branded and launched in 2021…
  - Several of our 11 Catalyst members have been involved with InCommon for much longer!
  - Before becoming a Catalyst, an organization must spend at least a year getting to know the community’s needs.

- Catalysts actively participate in InCommon’s conferences, training programs, and working groups.
InCommon Catalyst Program Benefits

- Provides IAM Expertise and Hosted Solutions When You Need It
  - Trusted Subject Matter Experts who can assist you with your design, implementation and support needs

- Ensures your chosen solution aligns with InCommon community standards, software and services
  - Integrated relationships with the community through participation in working groups, coordination bodies, and other InCommon programs

- Provides peace of mind
  - Relationships with and know the community and have good customer reviews. Working with a Catalyst means you made a good choice.
Catalyst Partners

...Eleven (and counting)
Terry Fleury
Lead Research Programmer
University of Illinois / NCSA
CILogon

- Software-as-a-Service IAM platform for research collaborations
- Non-profit subscription service from the University of Illinois (NCSA)
- Hosted Collaboration Management (COmanage Registry), OIDC/SAML Proxy (SATOSA), and Directory (OpenLDAP)
- InCommon REFEDS Research and Scholarship (R&S) service provider
- Implementing the AARC BPA with InCommon TAP components
- JWT support including SciTokens, WLCG Tokens, and GA4GH Passports

Visit https://www.cilogon.org/subscribe for details
Supports access to science applications on HPC clusters, in Jupyter notebooks, using Globus, via REST APIs, and many other interfaces.

Uses existing identity providers from the researcher’s home organization (SAML/ADFS) or external sources (Google, GitHub, ORCID, Microsoft)
Dedra Chamberlin
CEO
Cirrus Identity
Federation without Frustration

**Cirrus Proxy for Service Providers**
- Add your Research Service to InCommon and easily integrate with 100s of Identity Providers. Brand the login discovery screen for your service
- Also supports Cirrus Account Linking and External Login solutions

**Applications that Require Access from Multiple Institutions**
- CASApps
- SAML Apps
- OIDC Apps

**Cirrus Authentication Proxy**
- Integrates with InCommon
- Supports multiple institutions

**Federated Identity Providers**
- Institution #1
- Institution #2
- Social IdP

**Contact sales@cirrusidentity.com to learn more!**
Cirrus Announcements!

Cirrus New Release: The Attribute Authority for Bridge & Proxy is great when all your authentication attributes are not in your primary Identity Provider!

Cirrus New Release: The SIEM Connector Beta is rolling out! Logs are moved real-time to your institution’s SIEM tool.

Also: Microsoft has published new Azure AD documentation outlining the challenges, baseline design and solutions for multilateral federation and CAS protocol support that highlights the Cirrus Bridge as the first solution!

Come to the Catalyst Booth or mail sales@cirrusidentity.como to learn more about Cirrus Identity solutions!
Slavek Licehammer
Global Identity Leader for Academia
Evolveum
The Creator of midPoint

- **Professional open source** since 2011
- Team of full-time developers
- Product development and maintenance
- USD 1.854M revenue in 2022
- **Partners** in 45+ countries
- **2 releases** per year
- Leading open source **IGA platform**
- Recognized by **Gartner** as a complete IGA suite.
- **Simulations**
- Full identity lifecycle management
Evolveum’s Cooperation with Academia

- Adopted at **number of universities**
- CIO Document
- **List of connectors**
- InCommon **Working Group** and **webinars**
- **Academic Subscription**

Graph data from 2022
Scott Weyandt
Vice President, Information Security
Moran Technology Consulting
Provide expert management consulting and technology consulting services to colleges, universities, and university healthcare.

**Cybersecurity & Privacy**
Build tailored IT Security & Compliance Programs to ably handle the most pressing institutional risks in research and higher education.

**IAM Strategy**
Develop human-centered IAM Programs capable of delivering continuous improvement and transforming the digital campus.

**IAM Implementation**
Deliver IAM technical solutions designed to address the most strategic goals and significant challenges of higher education.
The MTC IAM Assessment Framework is aligned to international standards:

- ISO/IEC 24760 – A Framework for Identity Management
- ISO/IEC 29146 – A Framework for Access Management
- ISO/IEC 29115 – Entity Authentication & Assurance
- NIST 800 (e.g., -53 Access Controls (AC) & Identification and Authentication (IA))

The MTC IAM Strategic Plan & Roadmap:

- Aligns with institutional strategic goals and priorities
- Delivers actionable recommendations
- Provides a multi-year, multi-phased roadmap tailored to your institution’s goals, needs, and capacity to execute

The IAM Assessment Tool organizes our discovery, findings, and recommendations into these five categories:

1. IAM Program
2. Identity Management
3. Access Governance
4. Authentication & Assurance
5. Architecture & Technology
Drew Capener
Software Engineer, OmniPasskey
Omnibond
Omnibond

- **Customer-focused software engineering and support**
- **Three industries**
  - IAM and Security
  - Computer Vision
  - Cloud HPC
- **Rooted in research and education**
  - Leadership team includes technical, project, and executive veterans from Clemson, Purdue, Miami, and NCSA
  - Founded ACI-REF and CaRCC
  - Over three decades of funded projects from NSF, DoD, DoE, NSA, NIST and DARPA
  - Presidential Fellow & CSTAAC Committee Members
OmniPasskey- Passwordless Shib Authentication

Passkeys

SPs

IDP
Matt Growden
Executive Director of Identity Services
Provision IAM
Provision IAM Service Offerings

- **midPoint Readiness Evaluations**
  Is your organization ready for an IAM change, big or small?

- **IAM Coaching & Consulting**
  Do you have questions about architecture, integrations, governance, or optimizations?

- **Proof of Concept**
  Does your team need help standing up a PoC to demonstrate midPoint's capabilities?

- **Implementations & Upgrades**
  Do you need a tailored midPoint implementation, upgrade, or optimization?

- **Connectors**
  Do you need help configuring a connector or need a connector built?

Provision IAM offers **Flexible Support Agreements** and **IAM Managed Services** to help!

We are expanding our services to the full Trusted Access Platform (TAP) too!
midPoint Connectors

Does your team need help with Connector configurations or do you need one built?

- We are experts in connector development, system integration, and midPoint orchestration.
- Click here to view our list of open-source connectors
- Check out some of the resource integrations we support that are common in higher education:

We support over 80 different connectors today!
Chris Whalen
President
Research Data and Communication Technologies
International Centers for Excellence in Research

- Biostatistics
- Sequencing
- Human Data and Specimen Collection
- Data Management
- Protocol Development
- Grants and Research
- Entomology specimen collection
Tools for Collaboration

- Data Sharing
- Data Collection-clinical, laboratory, patient reported
- Data Validation
- Data Visualization
- Specimen Management
- Project Management
- Procurement Workflows
- Training

Tools to support collaboration
- Network infrastructure
- Antimalware
- Mobile Device Mgmt.
- AWS
- Team Chat
- Data transfer
Laura Paglione
Partner
SCG

Same great initials.
Brand new retronym.

https://scgcg.com/scg-is-now-scg
A seasoned partner for analysis, planning, & execution
We have helped many universities, research institutions, and scholarly infrastructure providers ambitious results! We help you make big plans happen.

<table>
<thead>
<tr>
<th>Identity and Access Management</th>
<th>COmanage &amp; TAP Component Expertise</th>
</tr>
</thead>
<tbody>
<tr>
<td>Been there. Done Lots. Global experience from defining protocols to executing solutions.</td>
<td>We literally have written the book (and code) for COmanage Registry and Match.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>ORCID and Other Global Standards</th>
<th>Scholarly Communications</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deep understanding of scholarship standards like ORCID, GA4GH, and others. Experts at web accessibility.</td>
<td>We know scholarly knowledge sharing and strive to make it more effective and efficient.</td>
</tr>
</tbody>
</table>

https://scgcg.com/scg-is-now-scg
COmanage Registry
Identity Enrollment & Lifecycle Management

- Manage onboarding flows
- Identifier management/definition
- User lifecycle management
- Provision to other systems

COmanage Match
Inbound Record Cross-System Matching

- Flexible rule configuration
- Matching attributes defined by you
- Use w/Registry or standalone
- A full API
Charise Arrowood
Executive Director, Business Development
carrowood@unicon.net
IDENTITY AND ACCESS MANAGEMENT

- IAM Evaluation
- Implementation Readiness Assessment
- Federation Gateway
- ITAP Consulting
- Upgrade, Migrations
- **New: NAVIGATE Identity**

---

Shibboleth
midPoint
Grouper

---

Unicon.net
NAVIGATE
Enable seamless and secure access with hosted and managed cloud-based open source identity solutions
WAYFIND

Empower Data & Analytics solutions to optimize data-informed decision-making for student success
CLOUD SERVICES

Expand your cloud capabilities with artificial intelligence (AI) and machine learning (ML)
We have a slightly different positioning as an InCommon Catalyst. We don’t help you set up or run the Trusted Access Platform itself - that’s what the other Catalysts do so well.

We create or modify the other software in your institution to take advantage of your IAM and your investment in the Trusted Access Platform.
**MIT: Living Wage Calculator**

Manage all the data collection, processing, calculation, design, development, and infrastructure of the de facto definition for what constitutes a living wage in the United States.

---

**InCommon: Federation Manager**

Led the security audit and initial modernization effort of the web application that manages the metadata for the InCommon Federation.

---

**Penn State: Research Information Management**

Captured the most comprehensive picture of Penn State's research output in a single system, and published the clean metadata via an easy-to-use interface for other developers to build upon.
### Three ways to work on specialized software with us.

<table>
<thead>
<tr>
<th>Guidance</th>
<th>Full Service</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>We advise you on how to do it</strong></td>
<td><strong>We help you do it</strong></td>
</tr>
<tr>
<td>We counsel your team on how you could build/modify your enterprise systems.</td>
<td>We work alongside your team to build/modify your enterprise systems.</td>
</tr>
</tbody>
</table>
Questions?