Solutions and Engagement

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November 9, 2020
About Us
What is InCommon?

• Community dedicated to making access to services to support collaboration easier on a global scale
• Supports the entire range of activities
  • Legal framework to root trust and requirements
  • Community Source Software for managing identity for IT and Research
  • Service (Federation) to provide trusted information that organizations use to connect with each other.
  • Standards for how it all works together
  • Training to speed adoption and protect investment over time
  • Corporate and non-profit options for support, hosting and integration help
  • Community Engagement and Global Coordination to evolve the ecosystem over time
• Operated by Internet2
788 INCOMMON FEDERATION PARTICIPANTS
INCOMMON AND EDUGAIN: GLOBAL INTER-FEDERATION FOR THE US

InCommon: US Federation
• 6000+ Registered Systems
• 578 Authentication Systems (Identity Providers)
• 5435 Services (Service Providers)

eduGAIN: International Inter-federation
• 70 Countries
• 7100+ Registered Systems
• 4046 Authentication Systems (Identity Providers)
• 3119 Services (Service Providers)
Open Source Software Solutions
InCommon Academy Training Portfolio

**Shibboleth**
Get single sign-on (SSO) to services hosted locally or globally using the InCommon Federation. Looking to offer services to organizations in the US or around the world? Shibboleth supports that too.

**Grouper**
Make collaboration and controlled-access happen fast by managing information about roles, groups and permissions and pushing that out to your services.

**midPoint**
Create and manage user information, add your business rules and then seamlessly synchronize it to services and other repositories to make sure identity data are always up to date.

**COmanage**
Looking to provide access for parents, collaborating scholars, and others? Manage the identity lifecycle, invite collaborators, enable account linking, and get services in the know by using your organization's provisioning tools.
Common Use Cases

- Federated Single Signon: Access research partners and cloud providers with local credentials!
  - Shibboleth IdP/SP

- Access Management: Manage and dynamically determine access rights based on source data
  - Grouper

- Identity Provisioning: Create/Manage identity data in downstream apps/systems
  - midPoint
  - COmanage

- Guest Management/Registry: Identity lifecycle management for a diverse group of people
  - COmanage
### CASE STUDY: NIH

<table>
<thead>
<tr>
<th>Need to know about researchers…</th>
<th>Global Federation (REFEDS Standards) supports…</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name, email and identifier attributes</td>
<td>Research and Scholarship Entity Category</td>
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<tr>
<td><strong>Multifactor authentication</strong></td>
<td><strong>MFA Profile</strong> for signaling request/response</td>
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<tr>
<td>Moderate <strong>assurance</strong> so NIH knows who users really are</td>
<td><strong>Assurance Framework</strong> (ID proofing attributes)</td>
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Learning and Engagement
Designing the InCommon Academy

- Established in 2019
- Reaction to community need
- Recognition that folks were fighting individual battles at their institutions and craved something more systematic
- Desire to serve all of the community
  - Regardless of IAM maturity level
  - Support to meet institutional goals
- Offer a variety of collaboration and learning opportunities
One-stop shop: learn IAM basics from design to implementation.

Choose the learning and collaboration opportunities where it makes sense for you.

Learn from on-the-ground community implementers.

Compare notes with your peers at similar organizations.

Know you are implementing community practices.
A Place for Everyone

1. We created BaseCAMP to welcome, inform, and connect those new to IAM
2. We expanded our training portfolio to cover all of the InCommon Trusted Access Platform
3. We launched a virtual training platform
4. We created the Collaboration Support Program so that organizations don’t have to tackle their IAM projects alone
InCommon Learning and Collaboration

What’s this all about? Will it work for me?
Learn the basics of Federation and related software. Get one-on-one expert answers to your questions.

How can I learn the details?
Learn about each of the InCommon Trusted Access Platform components (Shibboleth, Grouper, COmanage, midPoint).

How can I get started?
Refine your plan with help from experts and peers. Get help to get it done. Finish with education credit.

How can I get support?
Ask community experts questions through traditional methods. Join a working group. Meet the Catalysts.

What are others doing?
Find out how you can build on your work by sharing and comparing notes with others.

How can I influence the work?
Work with your peers to guide direction of the services and software.

BaseCAMP  Software Training  Collaboration Success Program  Open Multi-Channel Support Model  CAMP  Advance CAMP

The power behind InCommon Software, Services, and Communities
InCommon Learning and Collaboration

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InCommon BaseCAMP is an introductory workshop providing:

✓ An introduction to the **basics of identity and access management** — whether you manage identities, resources, or both

✓ An introduction to the **InCommon Federation**, the U.S. identity federation serving education and research

✓ An overview and demonstrations of the **InCommon Trusted Access Platform** and the role it can play in your IAM system
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Open Multi-Channel Support Model
CAMP
Advance CAMP

The power behind InCommon Software, Services, and Communities
2020 Virtual Trusted Access Platform Training Schedule

For details, see incommon.org/academy or email training@incommon.org
Course Previews: Grouper School & Shibboleth Workshop
InCommon Learning and Collaboration

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Collaboration Success Program
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Collaboration Success Program

• Established in 2018
• Reaction to community need
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• Desire to serve *all* of the community
  • Regardless of IAM maturity level
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# Collaboration Success Program
## 2020 - 2021

<table>
<thead>
<tr>
<th>Phase 1: Discovery</th>
<th>Phase 2: Prototype and Plan</th>
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<td><strong>OCT</strong></td>
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<td>Virtual Workshop</td>
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<td>Slack Channels</td>
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<td>BaseCAMP Content</td>
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<td>Work Bench Model</td>
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<td>DevOps Series</td>
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<td>Open Office Hours with InCommon Faculty</td>
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<td>Priority access to Developers and Experts</td>
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<tr>
<td>Alumni and Campus Connections</td>
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**Learn about the InCommon Trusted Access Platform from the Experts**

The CSP is designed to be modular so that you can pick and choose the right tools to support your training and planning efforts, ensuring that you'll hit the ground running when it's time to start implementing. Jump in where it's right for you.

![Learn](learn_icon.png)  ![Collaborate](collaborate_icon.png)  ![Expert Access](expert_access_icon.png)  ![Tools](tools_icon.png)
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Open Multi-Channel Support Model

BaseCAMP Software Collaboration Open Multi-Channel CAMP Advance CAMP

Training Success Program

The power behind InCommon Software, Services, and Communities
### Community Governance

**Program Advisory Group (PAG)**
Provides community input and guidance to T&I programs and services.

Representatives from InCommon Steering, I2 TIER Community Investor Council, and CACTI.

**InCommon Steering Committee**
- Governs InCommon LLC affairs
- Promotes InCommon mission
- Establishes policies
- Delegates authorities
- Advises Operations Unit

### Sustaining Advisory Committees

**Community Architecture Committee for Trust and Identity (CACTI)**
Standing architecture strategy group of community members. Provides strategic architectural input, manage and evolve community standards.

**eduroam-US Advisory Committee (eAC)**
Advisory body to CACTI & Internet2 to formulate strategies and practices for US & global research and education roaming networks.

**Technical Advisory Committee (TAC)**
Community advisory to InCommon’s operational processes and practices, strategies, capabilities, and roadmap

**Community Trust and Assurance Board (CTAB)**
Shepherds community consensus on trust and assurance related issues.

### Current Community Working Groups

- Trusted Access Platform Software Integration WG
- Banner Integration WG - Matthew Brookover
- Component Architects WG
- BTAA and TIER Collaboration on Provisioning and De-Provisioning WG - Keith Wessel
- Grouper WG - Chris Hyzer
- IdP as a Service (IdPaaS) WG - Mary McKee, E.J. Monti

### International Activities

**Research and Education FEDerations (REFEDS)**

**eduGAIN Steering Group**

**Federation 2.0 WG**

**SIRTFI**

**OIDCre WG**

**IoLR WG**

**Entity Category Dev WG**

**Assurance WG**
What are InCommon Catalysts?

InCommon Catalysts are companies that offer support, training, development, or implementation services to the InCommon community. Catalysts are community members who have actively participated for at least a year, and so they can be trusted to be aware of and work within the community guidelines.

Catalysts agree to continue to work with the InCommon community to plan, design, develop, document, and/or support the InCommon Federation, eduroam, and/or the InCommon Trusted Access Platform.
Who are Catalysts? Current Candidates are:
InCommon Learning and Collaboration

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Go CAMPing! Coming up November 16 - 20th.

CAMP
Advance CAMP

The power behind InCommon Software, Services, and Communities
What is CAMP? The acronym means Campus Architecture and Middleware Planning. CAMP has come to mean the series of track sessions that include case studies, organizations’ innovations in identity management, best practices, and other presentations that help move the community forward.

What is Advance CAMP (ACAMP)? It is the annual unconference where the research and education identity and access management community gathers to identify and work on long-range and global challenges.
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<tr>
<td>Training: InCommon Academy</td>
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<tr>
<td>Hosting: CI Logon for Research Identity (leverages InCommon software)</td>
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<tr>
<td>Support and Integration: Catalyst Partners Program (coming soon)</td>
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<tr>
<td>Price to Join: InCommon Fees</td>
</tr>
<tr>
<td>Global Trust Standards: <a href="#">REFEDS</a>, <a href="#">REFEDS Assurance Framework</a></td>
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<td>Area Report: InCommon Accomplishments Report 2019</td>
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<td>Privacy: <a href="#">GDPR and the Research and Scholarship Entity Category</a> <a href="#">GDPR and Federations Assessment</a></td>
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