Community Plans and Priorities for 2020

IAM Online
Wednesday, February 12, 2020

Moderator:
Kevin Morooney, Vice President for Trust and Identity Services and NET+, Internet2

Presenters:
David Bantz, University of Alaska (CTAB)
Janemarie Duh, Lafayette College (TAC)
Tom Jordan, University of Wisconsin-Madison (CACTI)
YOU ARE HERE
About InCommon

- Federation
- Community Development
- eduroam
- Software
  Trusted Access Platform
  (follow-on to TIER)
- Education & Consulting
- Certificate Services
### 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
- OIDC-OAuth Deployment WG - Nathan Dors
- Federation 2.0 WG
- SIRTFI
- OIDCre WG
- IoLR WG
- Entity Category Dev WG
- Assurance WG

### International Activities

**Research and Education FEDerations (REFEDS)**

**eduGAIN Steering Group**
Sponsored Community Working Groups

Software Community Working Groups

- Software Integration WG
- Banner Integration WG
- Component Architects WG
- BTAA and TIER Collaboration on Provisioning and De-Provisioning WG
- Grouper WG

- eduroam Advisory Committee (eAC)

InCommon Community Working Groups

- InCommon Federation Operations
- Technical Advisory Committee (TAC)
- Community Trust and Assurance Board (CTAB)

- Program Advisory Group (PAG)

- InCommon Steering Committee

Advises

- Operations Advisory Group

Supports and consults with

- InCommon
- IdPaaS WG
- OIDC-OAuth Deployment WG

Sponsors

- InCommon
- BTAA and TIER Collaboration on Provisioning and De-Provisioning WG
- Grouper WG
- Banner Integration WG
- Component Architects WG
- Software Integration WG
InCommon Community Trust and Assurance Board (CTAB)

David Bantz (University of Alaska), Chair
InCommon Community Trust and Assurance Board (CTAB)

David Bantz, University of Alaska (chair)
Mary Catherine Martinez, InnoSoft (vice chair)
Pål Axelsson, SUNET
Rachana Ananthakrishnan, Globus, University of Chicago
Tom Barton, University of Chicago and Internet2, ex-officio
Brett Bieber, University of Nebraska
Brad Christ, Eastern Washington University, InCommon Steering rep
Ercan Elibol, Florida Polytechnic University
Richard Frovarp, North Dakota State
Eric Goodman, UCOP, InCommon TAC rep

Chris Hable, University of Michigan
Jon Miner, University of Wisconsin-Madison
John Pfeifer, University of Maryland
Chris Whalen, Research Data and Communication Technologies
Jule Ziegler, Leibniz Supercomputing Centre
Robert Zybeck, Portland Community College
Jessica Coltrin, Internet2
Emily Eisbruch, Internet2
Ann West, Internet2
Albert Wu, Internet2
InCommon’s **Baseline Expectations** program

**Dimensions**
- Security
- Privacy
- Transparency/Accountability
- User Experience
- Facilitate federated access

**Processes**
- Community Requirements
- Community Consensus
- Community Dispute Resolution

**Participation Agreement** requires everyone to adhere to Baseline Expectations

*Mostly, it consists of tons of communication and help*
Collaboration

Interoperability

Assurance

Foundation

Attribute bundle(s)

MFA signaling

Sirtfi, TLS

Error URL

Metadata useful; REFEDS Assurance
Baseline Expectations v1 (2018-2019)

1. Operated as core institutional service: Organizational-level authority, generally accepted security practices, accurate metadata

2. Technical, admin, and security contacts, MDUI information, and privacy policy URL

3. Attributes required to obtain service are appropriate and made known publicly

4. SP uses user info only for access and authorization (not shared)

5. Logos
Implementing Baseline Expectations 2018-2019

% Meet Baseline Progress

Daily Baseline Counts

Today's Counts:

- All entities: 5451 of 5451 meet the metadata expectation (100%)
- IdPs: 555 of 555 meet the metadata expectation (100%)
- SPs: 4896 of 4896 meet the metadata expectation (100%)
- Orgs: 774 of 774 meet the metadata expectation for all entities (100%)
Next Steps? Baseline Expectations 2020-2021

Community members have advocated for these potential components of BEv2:

**TLS**: hardening for all endpoints

**Sirtfi**: self-evaluation and assertion of conformance*

**errorURL**: in IdP metadata (refer if SP doesn’t receive needed attributes)

**MFA**: signaling using REFEDS MFA authentication context

**R&S** and/or other standard *attribute bundles*

* Security Incident Response Trust Framework for Federated Identity [https://refeds.org/sirtfi](https://refeds.org/sirtfi)
“...make me pure...but not yet!”
St. Augustine

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<thead>
<tr>
<th></th>
<th>Prioritize</th>
<th>In 2021</th>
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<tbody>
<tr>
<td>Encrypt Endpoint with TLS</td>
<td>46</td>
<td>26</td>
</tr>
<tr>
<td>Support Sirtfi</td>
<td>32</td>
<td>43</td>
</tr>
<tr>
<td>Require error URL</td>
<td>36</td>
<td>38</td>
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<tr>
<td>Release R&amp;S Attributes</td>
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<td>33</td>
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<tr>
<td>Support REFEDS MFA Profile</td>
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<td>34</td>
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Community Consensus

1. Community Trust and Assurance Board (CTAB) facilitates broad discussion (1 March - 15 April)
2. Dedicate email list (discuss) and wiki (document)
3. Discern “rough consensus” ([per](https://tools.ietf.org/html/rfc7282))
4. Consultation process to adopt consensus BE v2
5. CTAB Facilitates adoption by all InC participants
WE WANT TO HEAR FROM YOU!

David St. Pierre Bantz
Chair, CTAB
Q@alaska.edu
InCommon Technical Advisory Committee (TAC)
Janemarie Duh, Lafayette College), Chair
TAC 2020 Work Plan Themes

- Make federation easier by lowering the barriers to getting on the federation highway
  - For institutions that are unable or unwilling to run their own IdPs
  - For SPs wanting to join InCommon

- Increase the value of participation InCommon
  - Increase value proposition
  - Which wants and needs are valuable to the most people?
  - Solving the business case
TAC 2020 Work Plan Preview

- Test federation
  - A sandbox for the community (Participant IdP and SP orgs and possibly others)
- **Cloud Services Cookbook**
  - Updates to reflect the current landscape
- IdP as a Service
  - Follow-on work recommendations from the IdPaaS Working Group
- **Seamless Access** adoption
  - Federated identity for library subscription content from publishers

TAC minutes are [public on the wiki](https://wiki.incommon.org)
Community Architecture Committee for Trust and Identity (CACTI)

Tom Jordan (University of Wisconsin-Madison), Chair
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<tr>
<td><strong>CIO Perspective</strong></td>
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<tr>
<td>Describe <em>value proposition</em> for Federations and the Trusted Access Platform</td>
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<td>Engage the security community to demonstrate where InCommon and TAP fit in a campus <em>security strategy</em>.</td>
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<th><strong>CISO Perspective</strong></th>
<th><strong>IAM Implementers</strong></th>
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<td><strong>Executive Focus</strong></td>
<td><strong>Practitioner Focus</strong></td>
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*InCommon*
Upcoming InCommon Events

Shibboleth Installation Workshop - March 17-18 - Houston, Texas

Grouper School - April 29-30 - Greensboro, North Carolina

InCommon BaseCAMP - June 23-25 - Milwaukee, Wisconsin
  For those new to IAM, Federation, and/or the InCommon Trusted Access Platform
  https://meetings.internet2.edu/2020-basecamp/

For details on all events, go to incommon.org
IAM Online Evaluation

https://www.surveymonkey.com/r/IAMOnline-Feb2020