Trust and Identity
Branding and Website and
Baseline Expectations Update

June 10, 2019

Internet2 Brand Pillars with Trust and Identity Proof Points

- **Community-designed Solutions**
  - o *R&E has smart people with complex identity needs that drive creation of solutions that scale*
  - o *Culture: How we do what we do adds value.*
  - o *Working Together we make and deliver better stuff.*

- **Innovative and Trusted Technology**
  - o *Standards-based technology*
  - o *Open-source software tailored to R&E with cost-effective support and add-on options*
  - o *Built by the community for the community*
  - o *Operational efficiencies: Save time, less training, easier to support*

- **Transforming the Community**
  - o *Enables academic collaboration and access to cloud services*
  - o *Global impact and reach*
  - o *Solutions with longevity*

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Trust & Identity in Education & Research

TRUST AND IDENTITY IN EDUCATION AND RESEARCH

TRUST & IDENTITY IN EDUCATION & RESEARCH

Internet2's Trust and Identity in Education and Research (TIER) program was a three-year initiative (2016-2018) to provide enhancements and sustainability for community-driven identity and access management software and services. Forty-nine campuses provided $1.25 million per year for three years to support the this effort to simplify campus processes and advance inter-institutional collaboration and research.

TIER was established to

- Sustain the investment the community has made in developing a set of critically important identity-related software components (many initially funded with National Science Foundation grants);
- Integrate them together with common APIs, data structures, development and release practices and schedules, and facilitative and flexible deployment packages; and
- Extend their features to support the common

View and Download the TIER

The TIER software forms the basis for the InCommon Platform, which will continue the development a During the TIER effort, the software components Docker containers, with simplified installation and with the InCommon Federation.

TIER funding also supported the Campus Succe

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Home > Products & Services > Trust & Identity

TRUST & IDENTITY

ADVANCED NETWORKING

CLOUD SERVICES & APPLICATIONS

TRUST & IDENTITY

InCommon Federation
InCommon Certificate Service
Shibboleth
Grouper

The Internet2 Trust and Identity Infrastructure

2018 Trust and Identity Accomplishments Report

2017 Trust and Identity Accomplishments Report

2015-16 InCommon 18-Month Report

...ust and ...e that ...staff, ...olars, ...es across ...y. Our ...members ...ve access to the right services, at the right time, with the ...privacy considerations, while supporting easy ...y.

...y and access management model centers on InCommon ...are, providing the policy and technology backbone for ...and allowing single sign-on convenience for millions of

groups

- CACTI - Community Architecture Committee for Trust and Identity
- COmanage Project
- Deployment Profile Working Group

MORE

case studies

University Collaborative Research Propelled by New Advanced Cyberinfrastructure

Brown Extends Grouper Across a Broad Array of Applications

French Organization Combines Grouper with uPortal

MORE

news

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Powered by Internet2

InCommon.

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| Federation | Certificates | eduroam |

InCommon, operated by Internet2, provides a secure and privacy-preserving trust fabric for research and higher education, and their partners, in the United States. InCommon also operates a community-driven certificate service, and is the U.S. node for the eduroam wireless service.

BaseCAMP August 13-15 - Basics of IdM, Federation, Software

InCommon BaseCAMP

InCommon BaseCAMP brings together all those interested in learning **the basics of identity and access management** — whether you manage identities, make resources available, or both. Get your questions answered about the **InCommon Federation** and how the community-developed **identity and access management suite the InCommon Trusted Access Platform** can play a part. See more information and register on the **BaseCAMP web page**.

InCommon FEDERATION

The **InCommon Federation** is the U.S. education and research identity federation, providing a common framework for trusted shared management of access to online resources. The Federation provides single sign-on convenience, privacy protection, and access control to protected resources.

- Joining the InCommon Federation
- Getting Started with InCommon and Identity Management
- Baseline Expectations for Trust in Federation

InCommon CERTIFICATES

The **InCommon Certificate Service**, developed by and for higher education, provides an enterprise solution for server and web certificates. One fixed annual fee includes unlimited certificates for all of the domains you own or control. The service includes SSL, extended validation, client, and code signing certificates.
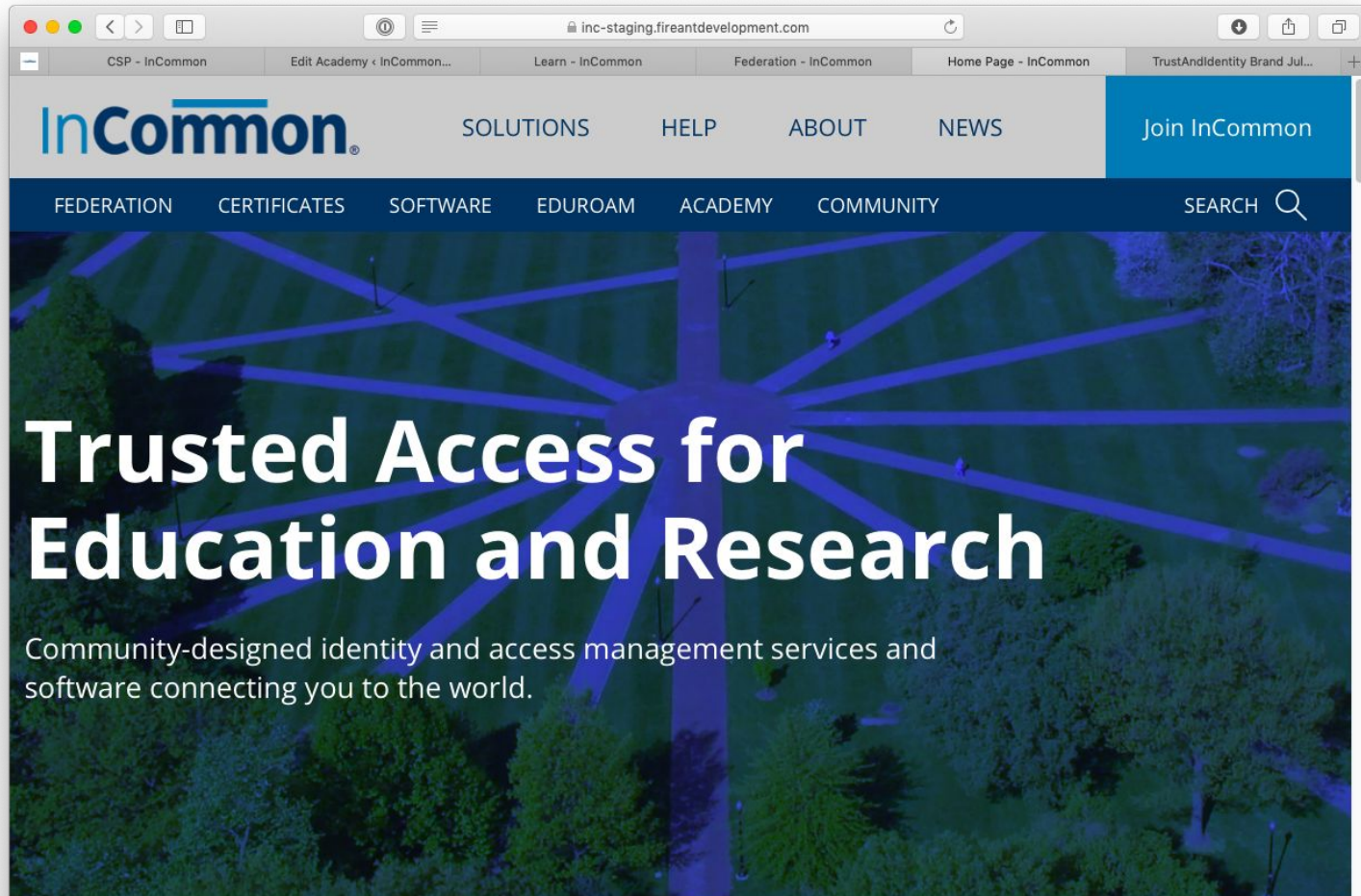
Key Links and Information

Official Documents, Policies and Practices

Trust and Identity Newsletters
2018: December | September | August | June | April | March | February

What are Baseline Expectations?

Changing Your InCommon Exec or Site Admin

InCommon Incident Reports

Shibboleth Installation Workshops

IAM Online Webinar Series

InCommon Trust Model

Follow @InCommonUS

Baseline Expectations Update

We needed to set achievable goals for everyone.

InCommon is built on consensus and voluntary adoption. This is the first time in InCommon's 15 year history where the community is setting mandatory requirements.

Institutions have varying capabilities. We want everyone to be able to succeed.
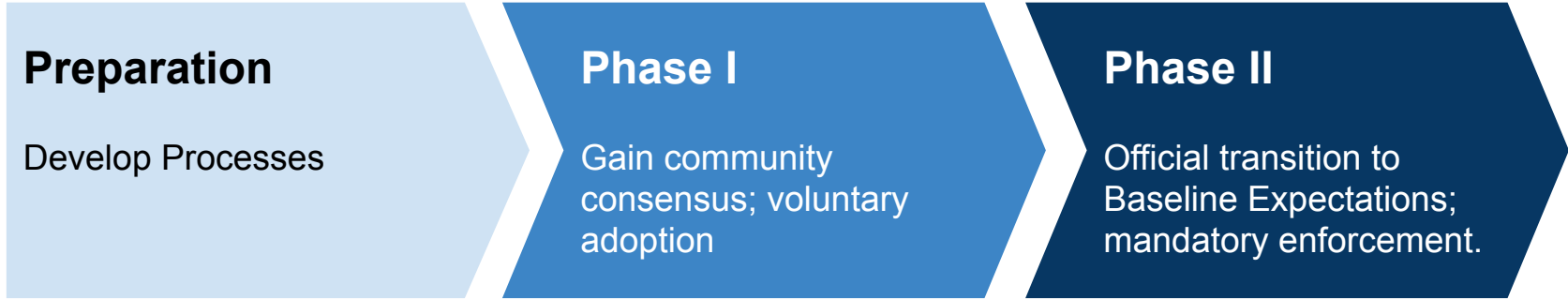
What has it taken do Baseline?

First, a few lessons learned:

- This is about community holding itself accountable. The community responded very positively.

- We need to do better at keeping contact information up to date - we had to do quite a bit of institutional archeology. There were lots of digging and outreach just to make organizational and contact updates.

- Our effort was proportional to the number of organizations we needed to reach: 760+ organizations with 5,000 systems

- Deadlines with consequences work well.

What has it taken do Baseline?

Preparation

Develop Processes

Phase I

Gain community consensus; voluntary adoption

Phase II

Official transition to Baseline Expectations; mandatory enforcement.

What has it taken do Baseline?

Preparation - Develop processes and transition plan

2016 - mid 2018

~ 700 to 1,000
hours of effort

- Baseline Expectations for Trust in Federation
- Community Consensus Process
- Dispute Resolution Process

Led by Community Trust and Assurance Board (CTAB) with InCommon Federation operations and community support

What has it taken do Baseline?

Phase I - Gain community consensus; voluntary adoption

2017 - mid 2018

~50%

of organizations voluntarily met Baseline Expectations before official transition began

- Outreach, engagement, education, and consensus building

- Webinars, blogs, and presentations at conferences

- Develop automated monthly Baseline health check; notify non-adhering organizations

- Required (mostly) minimal efforts from participants

- CTAB, Federation operations and broader community working together

- Amended InCommon Participant Agreement to require Baseline Expectations

What has it taken do Baseline?

Phase II - Official transition to Baseline Expectations

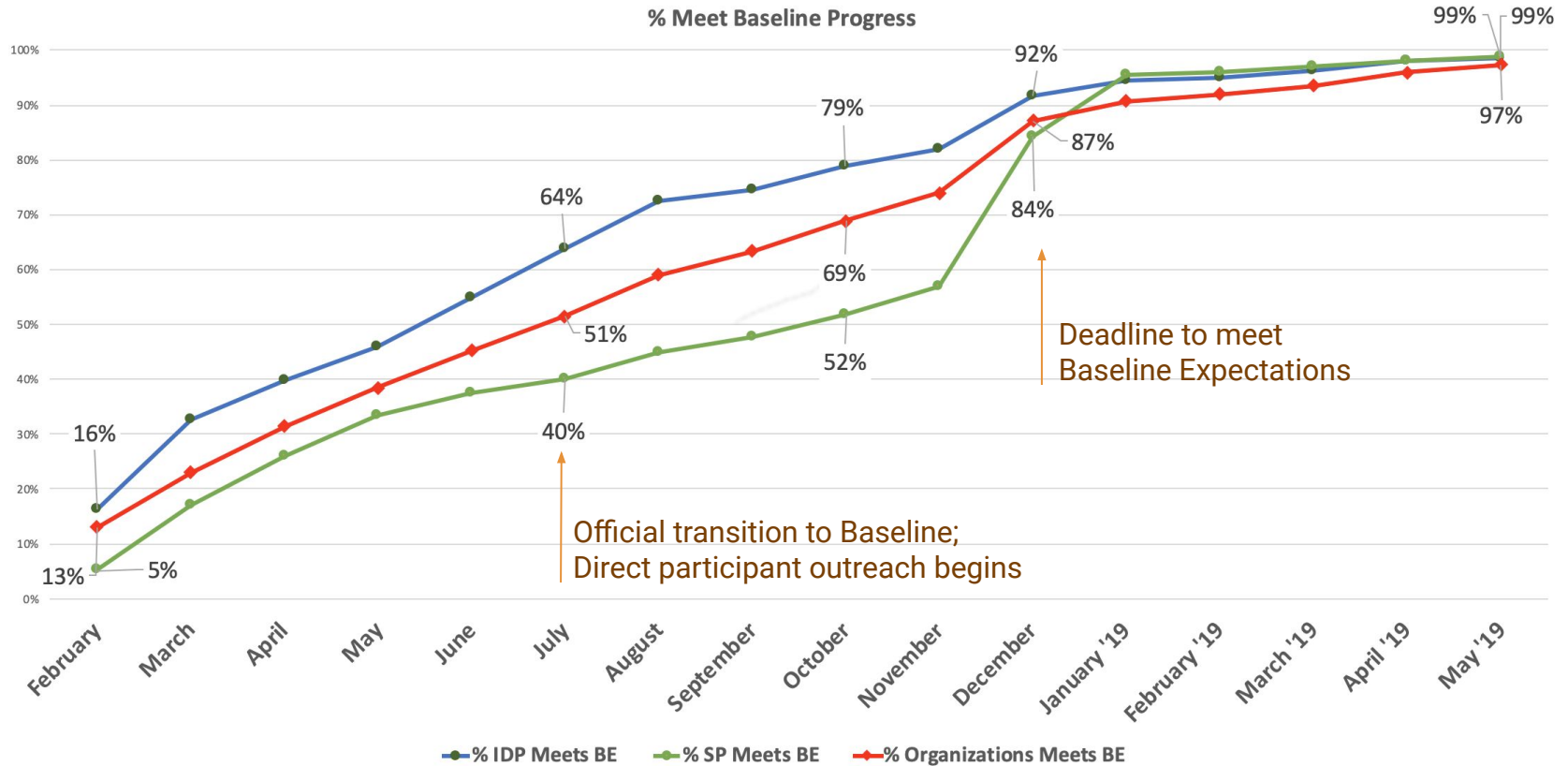|	
Baseline effective date **June 15, 2018**	**adherence deadline** **Dec 14, 2018**
~100 hours to modify Federation Manager to enforce Baseline rules	**~1,500** Hours to individually contact non-adhering organization

- New legal agreement in effect

- Continued webinars, blogs, presentations, and health check notices

- Held open office hours in November and December 2018 to assist with transition

- Side effect: a lot of organizational updates (e.g., company merger) and new admin enrollments

How are we doing with the transition?

% Meet Baseline Progress

Legend: % IDP Meets BE — % SP Meets BE — % Organizations Meets BE

Annotations: "Official transition to Baseline; Direct participant outreach begins"; "Deadline to meet Baseline Expectations"

Data labels: 16%, 13%, 5%, 64%, 51%, 40%, 79%, 69%, 52%, 92%, 87%, 84%, 99%, 99%, 97%

Trust Registry/Metadata Removal Notification

May 15, 2019 Removal Date

- 13 systems
    - ARTStor (SP)
    - Centre Daily TImes (SP)
    - Contra Costa Community College District (IdP)
    - Credly InC (SP)
    - Fluidware Corp (3 SPs)
    - Lamar Institute of Technology (IdP)
    - Lawrence Technological University (IdP)
    - Reeher LLC (2 SPs)
    - SUNY Polytechnic Institute (IdP)
    - Travel Solutions (IdP)

- **After notification, all addressed their issues or contacted us with questions. None were removed by InCommon Ops.**

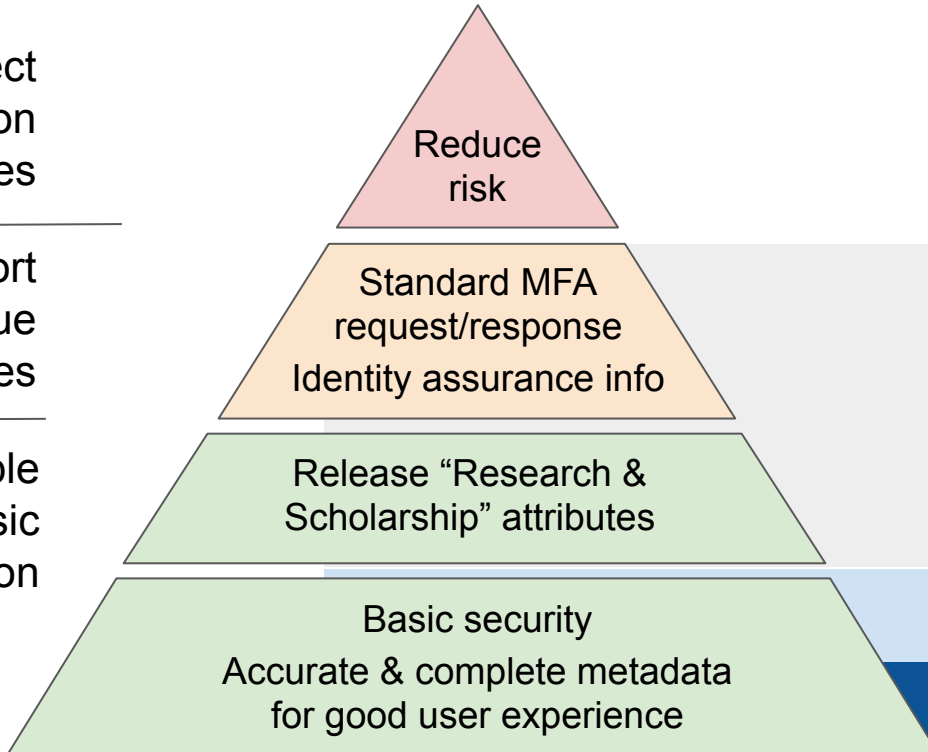**July 15, 2019 - In Process**

- 11 systems
    - ARTStor (SP)
    - Carl Sandburg College (IdP)
    - Contra Costa Community College District (IdP)
    - Hampden-Sydney College (IdP)
    - Igenta (4 SPs)
    - Ramapo College of New Jersey (IdP)
    - Vanderbilt University (IdP)
    - Virginia Community College System (IdP)

- List of organizations still not meeting BE can be found here:
  https://spaces.at.internet2.edu/display/BE/Baseline+Expectations+-+Entities+Missing+Necessary+Metadata+Elements

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Get collaboration ready - Next Steps

Protect collaboration resources

Support high value resources

Enable basic collaboration

Reduce risk

Standard MFA request/response

Identity assurance info

Release "Research & Scholarship" attributes

Basic security

Accurate & complete metadata for good user experience

Long term: will engage community to gauge where we should go

Medium term on roadmap: Should there be an inter-federation "Baseline" to propel international research collaboration?

Heading this way in 2019-20: Sirtfi, error URL, etc.

Done