
InCommon Steward Program: Community Review

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Topics for Today

What is the InCommon Steward Program?

Proof of Concept

How does this affect me?



Short History of InCommon and K-12

July 2009 - InCommon Futures Report identifies K-12

Sep 2012 - Quilt/InCommon K-14 Access and Federation work begins. Yields 8 pilots. Concluded in 2015 with final report

Aug 2013 - Begin work with MCNC on ways to scale InCommon Federation to include K-14

Aug 2014 - Update on progress

March 2015 - InCommon Steering Committee approves move ahead with designing the MCNC proof of concept

April 2016 - Legal drafts sent to MCNC for proof of concept and shared with Steering

What is the InCommon Steward Program?

The InCommon Steward Program

The InCommon Steward Program extends the benefits of federated identity management to K-12 school districts and community colleges (K-14).

The Steward manages the implementation and relationships with K-14 and InCommon provides the infrastructure and operational experience.



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Why is Federation Good for K-14?

Identity Federations can help K-14:

- Reduce cost and complexity
- Ease access to services
- Increase security through integration with identity systems
- Enable sharing of software and services
- Enables more teaching and less IT
- Allows dual-enrolled students to use their school credentials to access resources



Why should we do this?

Schools moving to the cloud

FIM is software infrastructure to support access to cloud applications using local authentication systems

Simplifies role-based authorization at scale

InCommon Federation establishes the software base, metadata standards and operational processes to make it all work



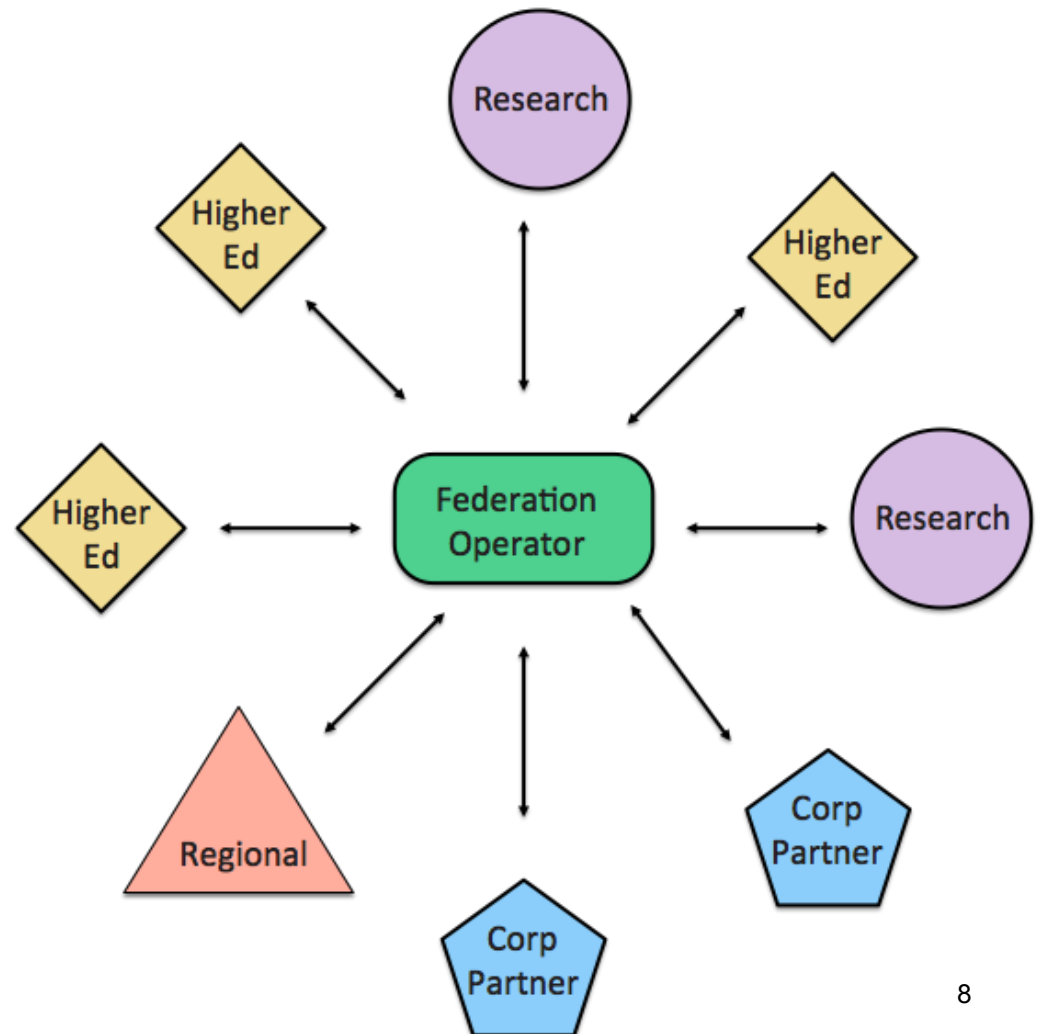
InCommon: Trust Established Centrally

Maps the physical/people/legal aspects organization to the electronic world to ensure trusted transactions.

Orgs have common requirements (privacy, IP, software, interoperability)

Orgs register the technical information about their service (locations, keys, contacts, policy adherence)

InCommon verifies according to policy and publishes a trust registry



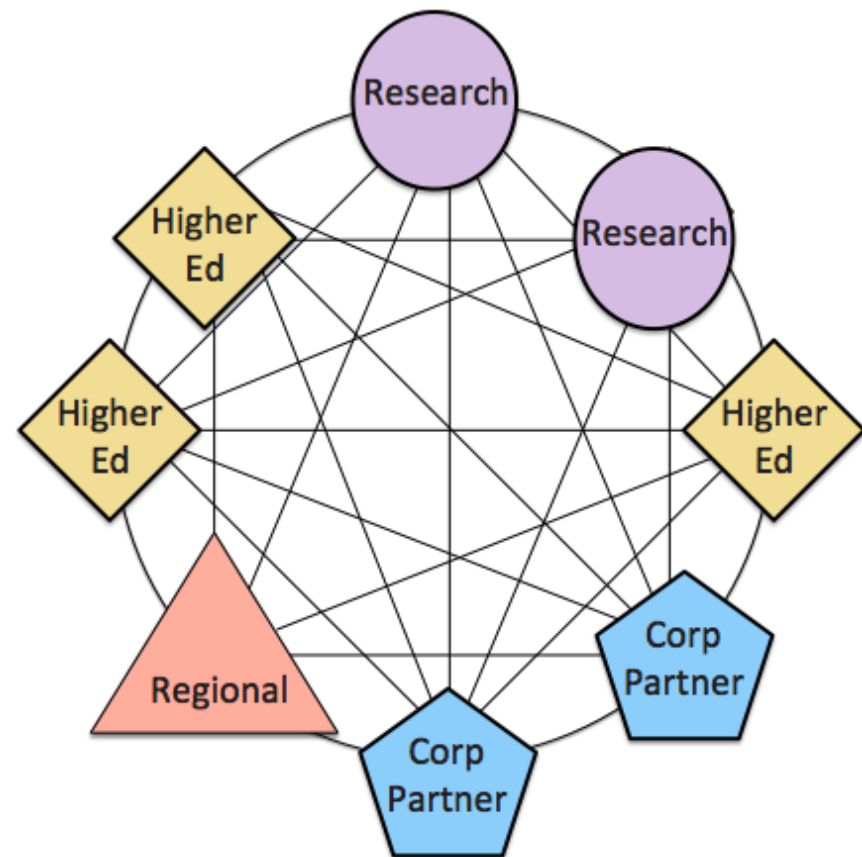
InCommon: Trust Leveraged During Transactions

Orgs use the trust registry to connect to partners securely

Orgs leverage technical standards to reduce on-boarding of new partners

Transactions are between partners. InCommon is out of the way.

Can substantially reduce onboarding and change management burden



How does this help the Regionals?

The InCommon Federation and associated software were designed for research and education

Federation fits with international and cross sector trends to create an access management “network”

Enables delivery of new types of services at the national, state and regional level

Accelerates implementation of new services

Regional networks are uniquely positioned and necessary for scaling this capability to smaller institutions



New business opportunities for regionals



Provide tools for managing IdP and SP data (Resource Registry)

Provide application integration support

Host or help with outsourced IdPs (IdP in the Cloud, hosted IdP)

Additional custom tools for the community

How does this help InCommon?



- Delivers on strategic direction
- Provides scalable method for extending the federation (and other related services) to K-12 and community colleges
- Reduces cost of providing federation to a key audience
- Partner with regional networks that already have closer, existing relationships with K-14 to serve as federation coordination points

It's a Partnership

- Regional Network Provider joins as a Support Consortium
- For K-14, InCommon outsources
 - Vetting of orgs and contacts
 - Trust policy and practices education and adherence
 - First line of support and dispute resolution and trust registry submission review





Who does what?

MCNC

Registration authority duties (trust model foundational work)

Review of changes to trust registry

Promulgation of InCommon policy/practice to schools

Support and training of schools in scope

InCommon

Signed trust registry, trust model enhancements, national and international standards development and participation

Tier-two help desk, Annual training

Community-wide policy/practice coordination, convening and leadership

Proof of Concept

Anticipated Findings



Benefits to Stewards and Represented Constituents
Impacts of outsourcing of InCommon's onboarding
functions

Impacts of increasing K-14 participation in InCommon
Operational issues

Resource requirements for InCommon and MCNC

Anticipated InCommon Resource Needs

1 FTE to manage program including on-boarding, training and relationship management

Help desk software in production

Supplemental operations staff to support tier-two help desk

Phased rollout to accommodate trust registry size and InCommon's need to adopt DNS-like trust metadata delivery

Enough regionals signed-on that participation is worth their costs

Anticipated Steward Resource Needs

Not fully understood yet

Stewards need to develop onboarding requirements and processes for represented entities. This effort will be front-loaded.

Support / Help Desk role and workload will require some experience to accurately predict

Downstream (Steward-RC) business relationships and agreements must be created and any pricing defined

Timeline



How does this affect me?



OARnet

An OH·TECH Consortium Member

If you're from a Regional...

1. Review the documents (incommon.org/steward)
2. Send us your thoughts
<https://spaces.internet2.edu/x/0oEQBg>
 - See implementation issues? Have any suggestions?
 - Would you consider deploying it in your region?
 - Any additional information you need to know?



If you're from an InCommon Participant...

1. Review the documents (incommon.org/steward)
2. Send us your thoughts
<https://spaces.internet2.edu/x/0oEQBg>
 - See implementation issues? Have any suggestions?
 - Would you be interested in federating with K12?
 - Any additional information you need to know?



If you're from a K-12 District or Community College...

1. Review the documents (incommon.org/steward)

2. Send us your thoughts

<https://spaces.internet2.edu/x/0oEQBg>

- See implementation issues? Have any suggestions?
- Interested in leveraging InCommon for your collaborations and cloud services?
- In a state with a state or regional network provider that would consider supporting this?
- Any additional information you need to know?



If you are from none of the above...

1. Review the documents (incommon.org/steward)
 2. Send us your thoughts
<https://spaces.internet2.edu/x/0oEQBg>
- See any implementation issues? Have any suggestions?
 - Any additional information you need to know?
 - What intrigues you about the Steward Program?

**We'd like to hear
from you!**

incommon.org/steward

**InCommon.
For Education.
By Education.**

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