

# CommIT

## Common Identity and Trust Collaborative

*Charlie Leonhardt, Georgetown University*

*David Moldoff, Academy One*

*Jack Suess, University of Maryland, Baltimore County*

# CommIT

## Overview and Higher Ed perspective

Charlie Leonhardt, *Georgetown University*

# Unique partnership creating useful relationships

## » InCommon and PESC strategic partnership

- InCommon brings a wealth of knowledge and experience in Federation and Identity Management
- PESC brings Higher Education Standards, Admissions Officers, Registrars, and the biggest for-profit and non-profit organizations

# The questions that kicked-off CommIT

- » What would it look like if high school students applying to college...
  - had Federated single sign on access to all the places they have to create accounts to apply to colleges?
  - had a unique identifier that connected all their records to them?
  - had a record made of every time their identity was vetted?

# CommIT example flow

- » A high school student wants to apply to multiple colleges
  - A central identity provider issues a single set of credentials and a unique identifier
  - Students get single sign-on to access all service providers involved in the process
  - Universities get scores and transcripts matched accurately to prospects

# CommIT example flow

- » A high school student wants to apply to multiple colleges
  - Testing agencies vet identities
    - ▶ Universities get high quality credentials
    - ▶ Universities can provision accounts for applicant services and new admissions
    - ▶ Universities know who they're working with, even with remote students

# CommIT

## » Goals

### ■ Identity Store

- ▶ Central repository for minimal set of core data
  - (Unique privacy preserving student identifier)
  - Student user account registration either via CommIT portal or by referral from partners
- ▶ Account linking with partner institutions, who hold data interesting to each partner
  - (data they are already holding)
- ▶ Storage of user vetting events

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## » Goals

- Identity Provider within InCommon
  - ▶ Single-sign-on for students
  - ▶ Federation for K12 districts that are not yet on that road
  - ▶ Common thread that can stay with a student throughout academic career
  - ▶ Account linking with partner institutions



# CommIT

## » Goals

- Reduced costs
  - ▶ Single sign-on reduces password reset problems by providing a single set of credentials for students
  - ▶ Centralized help desk
- Bigger funnel for universities
  - ▶ Unique identifier solves matching problems for universities allowing larger applicant pool with no additional employees

# CommIT

## » Goals

- Increased level of assurance
  - ▶ Many students potentially arrive at universities with InCommon Silver or LoA2 credentials through capturing identity vetting events
  - ▶ Support transition of universities to InCommon Silver
- Leverage PESC (and other) data standards in higher education

# Federation

- » Federation is the norm in the real world
  - Driver's Licenses, Passports
- » Electronic authentication has a history of creating silos of credentials
- » Higher education is leading a movement towards Federated authentication
- » CommIT is the beginning of a movement towards Federated authentication among all education

# This is real...

- » Community Engagement
- » Partnerships with Business and Technical professionals
- » Multifaceted prototype under construction

# CommIT

## The Vendor Perspective

David Moldoff, *Academy One*

# Unique identifier allows new services

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- » When service providers leverage unique student identifiers, allows for the creation of advanced services
- » Add stuff here....

# Insert Vendor interest slides here...!

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# CommIT

## The Internet2 and InCommon Viewpoint

Jack Suess, *University of Maryland, Baltimore County*



# Why?

- » InCommon and Internet2 is committed to the idea that we need to be facilitating large-scale IdP's to serve a variety of needs.
  - Interested in applying the identity know how to solving problems of interest to higher education that have so far eluded us
  - This project serves K12 and higher level of assurance

# Net+ Service Phases

» Net+ is the vehicle for delivering

- Phase 1 (Complete)
  - ▶ Research Phase
  - ▶ What do we want to achieve?
- Phase 2 (In Progress)
  - ▶ Evaluation Phase
  - ▶ Build a Prototype
  - ▶ Evaluate Business Model

# Prototype

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- » First pass prototype planned for PESC Data Summit on October 17