CommIT

Common Identity and Trust Collaborative

Charlie Leonhardt, Georgetown University
David Moldoff, Academy One
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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
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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
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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
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
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The Vendor Perspective

David Moldoff, Academy One
Unique identifier allows new services

» 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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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

First pass prototype planned for PESC Data Summit on October 17