Connecting & Securing Effective Learning Ecosystems™

Setting the Course for Standardization – Stop reinventing the wheel!
AGENDA

Wednesday, February 10, 2021

- Welcome and Introductions
- Where are you with integration and interoperability?
- What are your goals?
- Q and A
- Resources
Thank you to our Sponsors…

**LEGEND Sponsors**

- Catch on
- Public Consulting Group

**LEADER Sponsors**

- Cedar Labs

**ADVOCATE Sponsors**

- ClassDojo
- Kimono
Our Hosts

Dr. Michelle Elia
President, Director of Operations and Project Management
CPSI Ltd.

Fun Fact: Lead singer and rhythm guitarist in a rock band

Alex Jackl
Technology Strategist
Bardic Systems

Fun Fact: Danced with the RI State Reparatory Ballet
What are your data integration goals?
Where is your data integration at?
What do you have currently integrated?

Often Integrated
- Account Provisioning
  - Active Directory
  - Google Directory
- SSO
- Portal
- Cloud
- Apps used by users
- Operational Data
- Warehouse

Your Specifics
What are the problems with your current integration?

What are your pain points?

• Typical Pain Points
  • Selecting an Integration Vendor
  • Dealing with Apps that don’t use a standard
  • Vendors that don’t play well with others
  • Political Pressure
  • Mindset
    • Business rules
    • Data cleanliness
    • Exceptions

• Your Pain Points
Can we provide feedback and impact the future to meet our needs?

• With Unity you can:
  • Provide feedback during public comment period (shortly after a release).
  • Impact the specification directly through participation in the members community.
  • Embrace the flexibility of Unity through Extended Elements and pluggable Code Sets.
Q and A Time

"On the Ground" Reality Checks?
Resources

• Data Standards United: https://datastandardsunited.org/

• Unity: https://www.A4L.org/page/Unity

• CPSI Ltd.: https://www.cpsiltd.com/

• Bardic Systems: http://bardicsystems.com/
Don’t miss…

FEBRUARY 17, 2021

Foundations of “Securing” Ecosystems Student Privacy
❖ Data Stewardship 101 – Setting Common Expectations Between Vendors and Customers
❖ The Securing Continuum: From Legislation to Ecosystem Implementation and All Steps In-Between

FEBRUARY 24, 2021

Connecting and Securing in the Real World: The MA Data Hub Solution

REGISTER:
Don’t miss…

FEBRUARY 23, 2021

All the talk now is about ‘Unity’… is it time to do something about Data Privacy and Data Interoperability ‘Unity’?

The Student Data Privacy Consortium (SDPC) has been moving the needle on setting privacy expectations between School Districts, States and marketplace providers. The strength of the collective power of the Community and the best practice leadership shown in protecting student data through Data Privacy Agreements (DPAs) is the reason for this success.

It’s a GREAT first step but collectively we could do more in protecting your local learning ecosystem:

➢ How are your vendors implementing the privacy requirements?
➢ How do you convey legal requirements to the vendors' technical teams?
➢ How does increased data interoperability without embedded privacy created increased risk?
➢ Is there a way I can address and enforce privacy requirements through openly developed technical standards?

CONNECTING & SECURING EFFECTIVE LEARNING ECOSYSTEMS™

Starting with the Data Dictionary and Maturing to Usage Tools
AGENDA

WEDNESDAY, FEBRUARY 10, 2021

- Welcome and Introductions
- The Case for Standardizing Data Origins – NCES Handbooks to CEDS
- SEA Leveraging Federal Collaborative Work and Supporting LEAs in their Tasks
- Q and A
- Resources
Our Hosts

Ross Santy
Associate Commissioner, Administrative Data Division
NCES, Washington, DC

Fun Fact:

Karl Pond
School Research, Data and Federal Reporting Manager
North Carolina Department of Public Instruction

Fun Fact:
The Case for Standardizing Data Origins

- The National Center for Education Statistics
  - Established by federal law in 1867 (Dept of Ed established in 1979)
  - Most recent charge - 2002 Education Sciences Reform Act: Section 153 lays out nine General Duties:
    1. Assist education agencies...“in improving and automating statistical and data collection activities...”
    2. “determining voluntary standards and guidelines to assist State educational agencies in developing statewide longitudinal data systems...., promote linkages across States, and protect student privacy...to improve student academic achievement and close achievement gaps”
  - Three primary Divisions: newest is the Administrative Data Division
- NCES Handbooks
  - Developed in the 1970s to improve the consistency of data definitions
  - Served as a reference document for K-12 public education agencies
  - 2003: “modern” online Handbooks (ran through 2013)
The Case for Standardizing Data Origins – *NCES Handbooks to Open Source Community*

- Evolution of Common Education Data Standards (CEDS)
  - 2009 – American Recovery and Reinvestment Act (ARRA)
    - Significant increase for SLDS
    - Stakeholders ask ED to engage in standards discussion to reduce confusion
    - Policy approval within ED to support development of a common data dictionary
    - Interest in data standards was not limited to ED and ED’s grantees
    - Established first Technical Working Group
  - Fall 2010 – Version 1 released: 161 K-12 elements
  - 2019 - Version 8 released: 1,711 elements

- Tools and Uses
  - Align and Connect
  - Generate
The Case for Standardizing Data

Origins – NCES Handbooks to Open Source Community

• Moving forward with the Open Source Community
  • Established on guiding principles
    • Start from what already exists
    • Voluntary
    • Organized into domains
    • Engage with standards and interoperability organizations
  • Open to anyone working with education data
  • Current efforts and discussions
    • CEDS Data Warehouse
    • Moving Beyond Compliance Reporting
    • Implementing Generate
    • Connecting beyond Education Data
North Carolina DPI: Collaboratively Working to Supporting LEAs

- The North Carolina Department of Public Instruction (NCDPI) is charged with implementing the state's public school laws, policies, and procedures governing pre-kindergarten through 13th grade public education.

- 115 local public school districts, 2,500+ traditional public schools, 202 charter schools, and the three residential schools

- Single SIS Implications - Mandated / ODS combined Usage

- Pandemic Impacts
The Case for Standardizing Data Origins – *NCES Handbooks to Open Source Community*

- NC DPI School Support Activities
  - Communicating Changing Requirements
  - Simplify Demands Via Single SIS Upgrades

- Long Term Vision for State and Federal Reporting
  - CEDS and Standards Utilization - Benefits for SEA and LEAs
Q and A Time

"On the Ground" Reality Checks?
Resources

• Common Education Data Standards
• CEDS Open Community
• NC Data Warehouse and Reporting System
• Ross Santy
• Karl Pond
Don’t miss…

FEBRUARY 17, 2021

Foundations of “Securing” Ecosystems Student Privacy

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Thank you for attending!

Presentations slides and follow-up information will be sent to you shortly…

For more information:
https://www.A4L.org
https://privacy.A4L.org