SIF 2: The Data Model that Refused to Die

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Agenda

- MA SIF Implementation
- Move to SIF 3
- Reconsidering
- Unity
- Thoughts?

You can’t have your cake and eat it, too!

Practical Wisdom
MA SIF 2.7

- Started in SIF 2.0 in 2012 for K-12 Data Collection
- Implemented SIF 2.7 in 2014-2015 (Bridge to SIF3)
- 417 districts sending real-time SIF 2.7 data
- Feeds:
  - Student ID Request/Return Messages
  - Homeless and Foster Care
  - SLDS (Edwin)
  - Early Warning Indicator System (EWIS)
  - Teacher Candidate Assessment of Performance (CAPS)
  - Self-Service BI & Data Analytics Pilot

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District Certifications using SIF Only

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Move to SIF 3 MA Perspective

Compliant With MA Standards modern infrastructure
learning curve! huge lift for EOE support
need funding! We like our Data model
Faster!
Achieved stability in 2.7! mixed buy in
Scalability Aligned with MA Move to Cloud Initiative
Step back for business VT in Progress
CEDS SIS vendors –
2 years lead time
Too much change

We like our Data model
Rethinking – First Thoughts

- Too large for a one year project
- Split into architecture and data model projects
- Add a year to each for consolidation
- Successful capital request for FY19(year 1)!
Rethinking – Second Thoughts

- On second thought…
- Our business case is mostly in the architecture
- How to fund data model change?

- A lot of churn for small return
- A4L was rethinking as well…
Move to SIF 3 A4L Perspective

Adoption in SIF 2!
- Unproven
- Security Features!
- Best path forward??
- Giant Leap in Technology
- CEDS
- new Xpress Objects!
- Scalability
- need buy in!
- No Traction
- mixed buy in
- Where’s our niche?
- modern infrastructure
- Competing Standards
- IEP!

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Introducing Unity

SIF Data Model Implementation Specification (North America) 2.8
- Existing Adopters
  - Reuse
  - Support
- New Adopters
  - Proven
  - Many Partners

SIF Data Model Implementation Specification (North America) 3.5 incorporated into SIF 2.8
- CEDS Alignment
- Adopted xPress API line
  - Roster
  - IEP
  - Grade Pass Back

SIF Infrastructure Implementation Specification (Global) 3.2.1
- Global Infrastructure
- REST-based
  - Direct
  - Federated
  - Brokered
Why Unity?

Infrastructure Maturation:
- What? Use a modern, global infrastructure with the SIF Data Model
- Increased performance “on the wire” at all scale
- Due to “collections” or “groupings”
- Ability to only get the data that has changed – not all data or another “event”
- Can co-exist between 2x infrastructure and new Unity transport – incrementally bridging
- Value: Ease of usage and available tools

CEDS Alignment:
- What? The tightest alignment to CEDS and USED’s work
- Use Case driven to address state reporting and interoperate with Generate
- Should make between standards work easier
- Value: Marketplace advantage to SEA
Rethinking – Second Thoughts

Privacy:
- **What?** PODS enabling meta-data for privacy work – a machine readable set of rules
- Addition made to infrastructure to know when what versions of PODS are being enforced (control traffic)

**Value:** Streamlining implementation and delivery of contracted expectations

Transition Ease:
- **What?** The Unity Data Model picks up from 2x development done previously
- Will be able to move incrementally (one application at a time)
- Ref IDs are one to one mappings – supporting old and new styles

**Value:** Easy maturation to a more powerful infrastructure while keeping your data layer investments intact
Better business case!

modern infrastructure

No State Left Behind!

IEP!
Incremental Change!

new

Scalability

CEDS

Giant Leap in Technology

Proven Use Cases

Xpress Objects!

Security

Features!

Work with other Standards

great response… so far

common path forward

MA changing infrastructure now
Thank You!