Enabling Next Generation Learning with the Next Generation Learning Architecture

eLearning and Software for Education Conference

Jonathan Poltrack, ADL Tech Team Lead, Subcontractor for Problem Solutions LLC
Agenda

• ADL Overview

• SCORM Update

• Next Generation SCORM
Provide access to the highest quality education and training, *tailored to individual needs*, delivered cost effectively, anywhere and anytime.
SCORM enables an interoperable e-learning environment that has become the **de facto global learning standard**.
508 Enhancements
✓ Usability Updates
✓ General Updates

No Functional Changes
SCORM 2004 4th Edition Certification

- ISO Certification Process
- LMS-Only
- Compliance vs Conformance
Unity-SCORM Integration Toolkit Released

- R&D effort on games and simulations as part of an e-learning curriculum
- Supports SCORM 2004 and SCORM 1.2
  
  *Run-Time Environment*
  *Minimal Packaging*

http://www.adlnet.gov/scorm-unity-integration
Open Source Software

Determining level of interest
The Problem
I Can’t Get My Data!…

Legacy LMS

- User Management
- Course Management
- Run-Time
- Player
- Preferences
- Authentication
- Repository
- Sequencing
- Individual Reports
- Scheduling
- Authorization
- Search
- Delivery
- Group Reports
- etc...

HR Systems

Profile Systems

Repositories

Reporting Systems
I want to train multiple users in a virtual world...
I want to track data in a simulation...
Learning is social. How do I integrate all of this social media?
What about mobile apps and augmented reality?...
The Solution

Next Generation SCORM
2012 R&D
Next Gen SCORM - Tin Can API

- “I Did This” Activity Stream Model
- API Specification 0.9 Available
- Mobile Demonstrations/Use Case-Focused
- Open Programming Libraries
- ADL LRS Reference Implementation
- Get Involved!
The Community Needs a Solution.

- 400+ Stakeholders Signed Up
- 350 at the Kick-Off Meeting
- 60,000 Web Hits a Month
- 20-30 Active Specification Contributors
- LMS Vendors, Authoring Tools, Content Developers, Government, DoD, Academia, Industry
Timeline

TCAPI 0.8

TCAPI 1.0

Early Adopters

Initiate Standardization

Further Adoption

Q2 2012

Q4 2012

Q1 2013
Resources

Unity-SCORM Integration Toolkit

Next Generation SCORM Information
http://www.adlnet.gov/capabilities/next-generation-scorm

Project Tin Can
http://tincan.adlnet.gov

SCORM 2004 4th Edition
Jonathan Poltrack
jonathan.poltrack.ctr@adlnet.gov
Twitter: @jonopoltrack