

**The Power of Global Collaboration**  
Defense | Government | Industry | Academia

# SCORM® Update

iFest 2011, 2-3 August

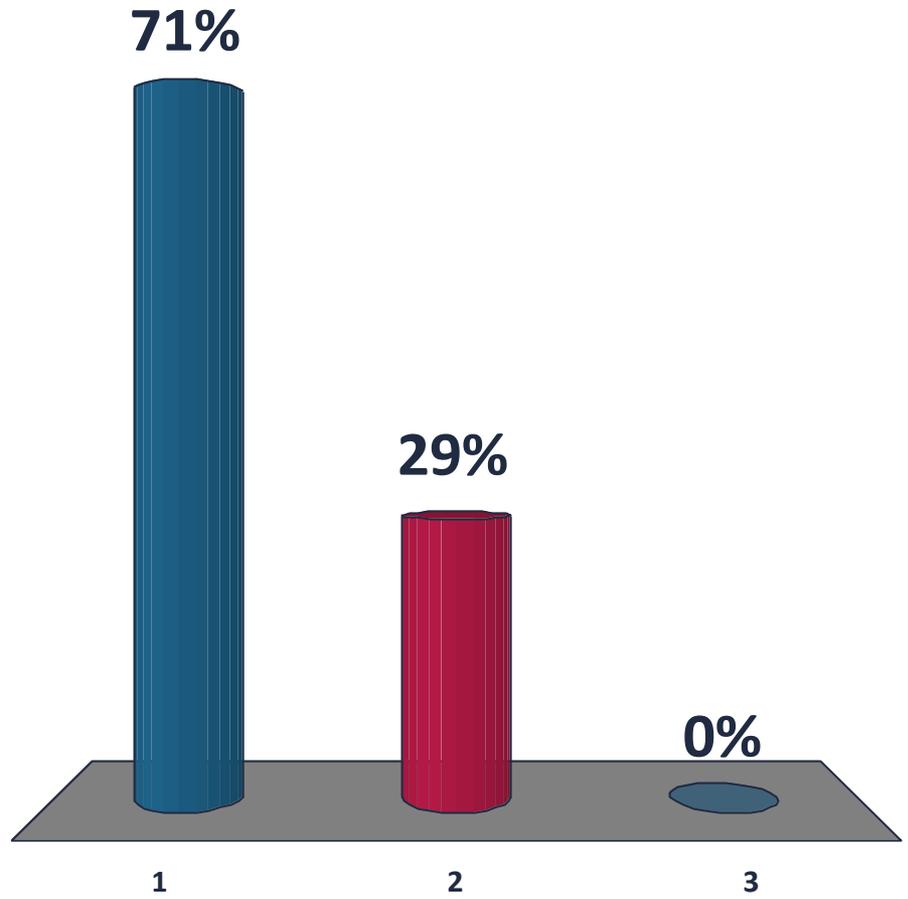
Dr. Rovy Branon, Executive Director, Academic ADL Co-Lab  
Joe Nelson, SCORM Auditor/Developer, Academic ADL Co-Lab  
Jonathan Poltrack, ADL Technical Team Co-Lead,  
contractor with Problem Solutions



# Are you familiar with SCORM?



1. Yes
2. No
3. Abstain

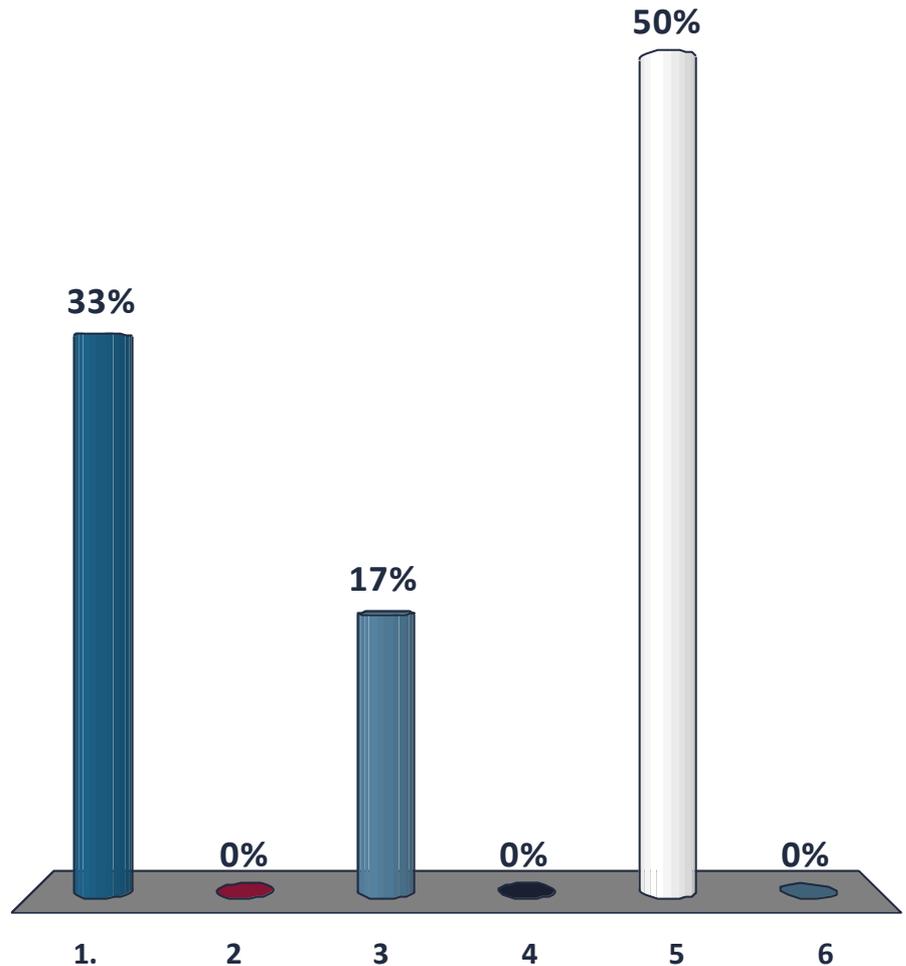




# What version of SCORM do you use?



1. 1.2
2. 2004 2<sup>nd</sup> Ed
3. 2004 3<sup>rd</sup> Ed
4. 2004 4<sup>th</sup> Ed
5. It's a mix
6. I don't know

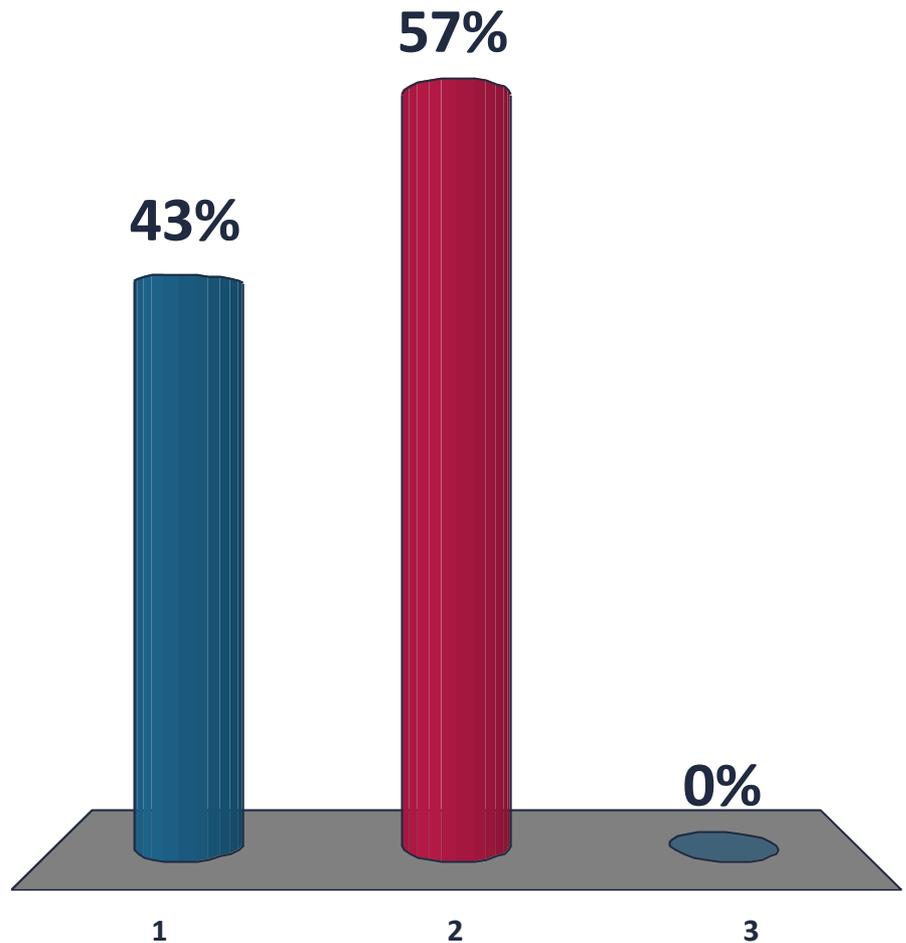




# Are you working with/on mobile content?



1. Yes
2. No
3. Abstain





# ADL History



- ADL was founded in 1997 to standardize and modernize training and education delivery for U.S. Department of Defense (DoD)
- Collaborate with government, industry, and academia to promote international specifications and standards for designing and delivering learning content



# ADL “ilities”



- **Accessibility**  
Ability to locate and access instructional components from multiple locations and deliver them to other locations
- **Interoperability**  
Ability to take instructional components developed in one system and use them in another system
- **Durability**  
Ability to withstand technology changes over time without costly redesign, reconfiguration, or recoding
- **Reusability**  
Ability to use instructional components in multiple applications, courses, and contexts



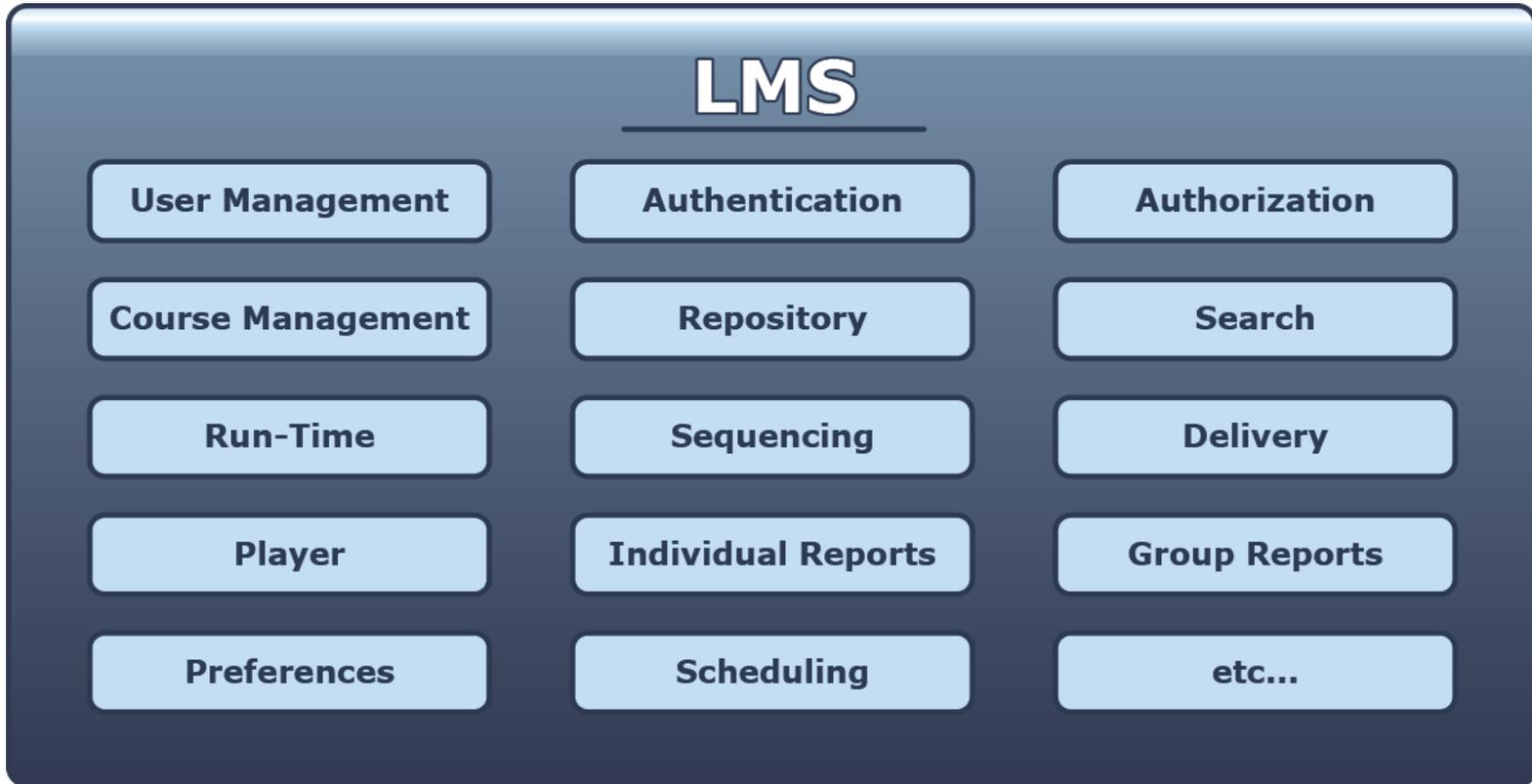
# SCORM Requirements



- Enable the exchange of courses between LMSs via a packaging format
- Enable content-to-LMS communication
- Promote the reuse of content across different courses
- Enable sequencing of content tailored to the individual



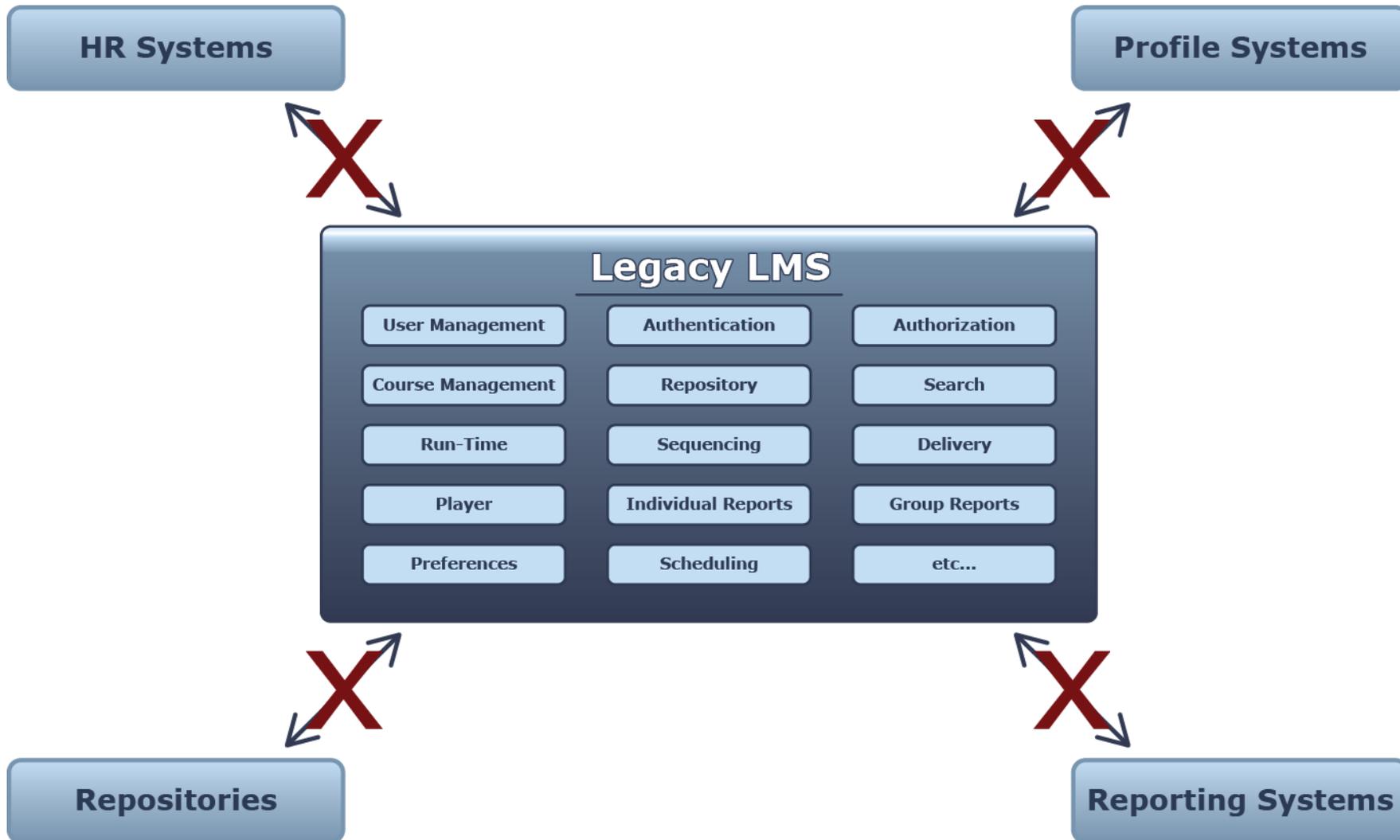
# The Result



Monolithic Systems

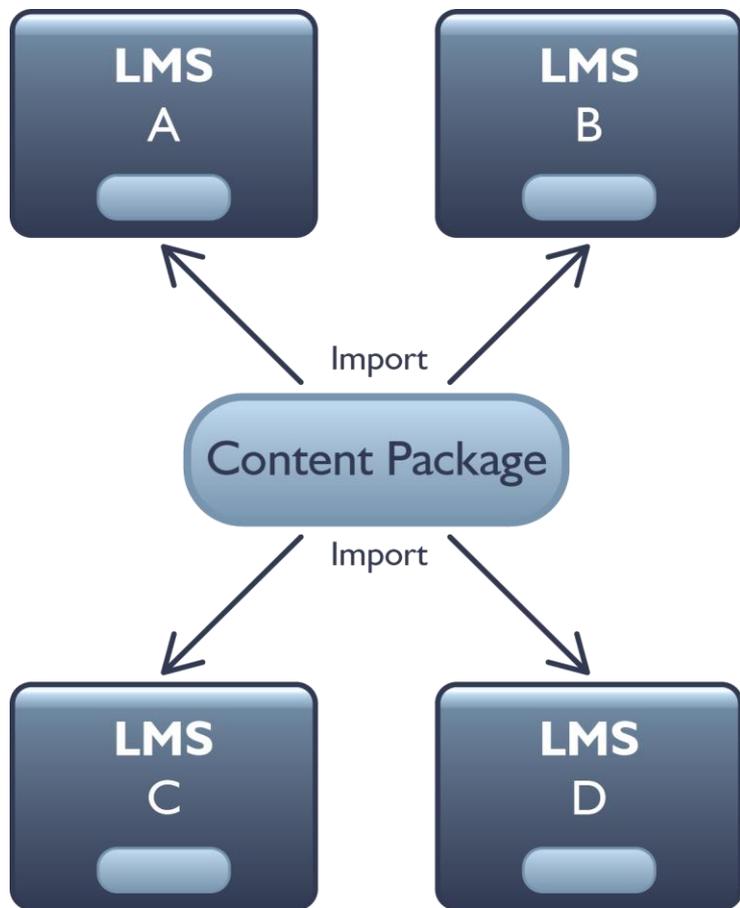


# Enterprise Architecture





# ...And Content

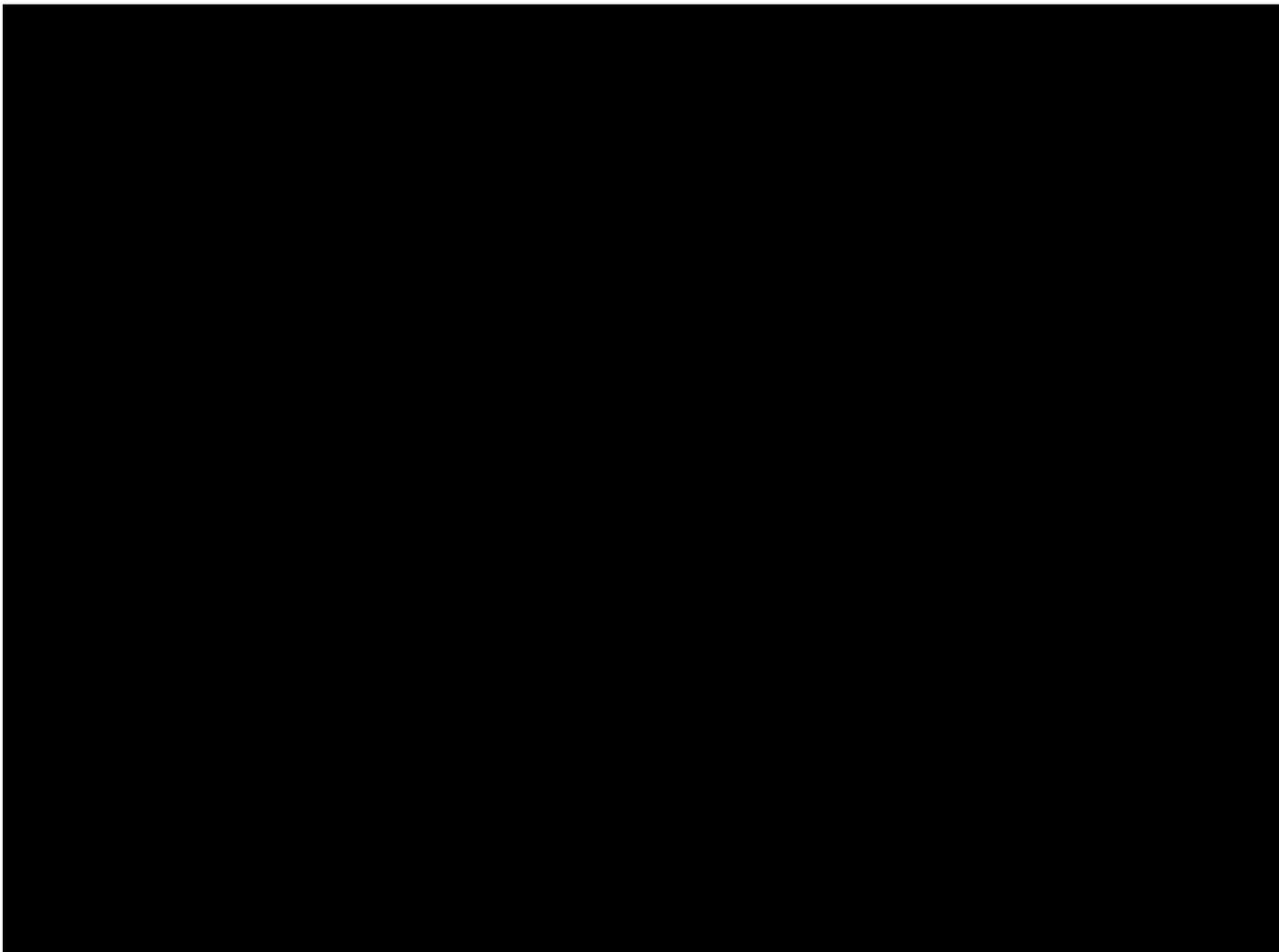


## Distributed Content

- Content Packages imported into LMSs
- Content duplicated in each system
- LMSs house the content, control access and manage learner data
- Difficult to manage content lifecycle



# A Changing World...



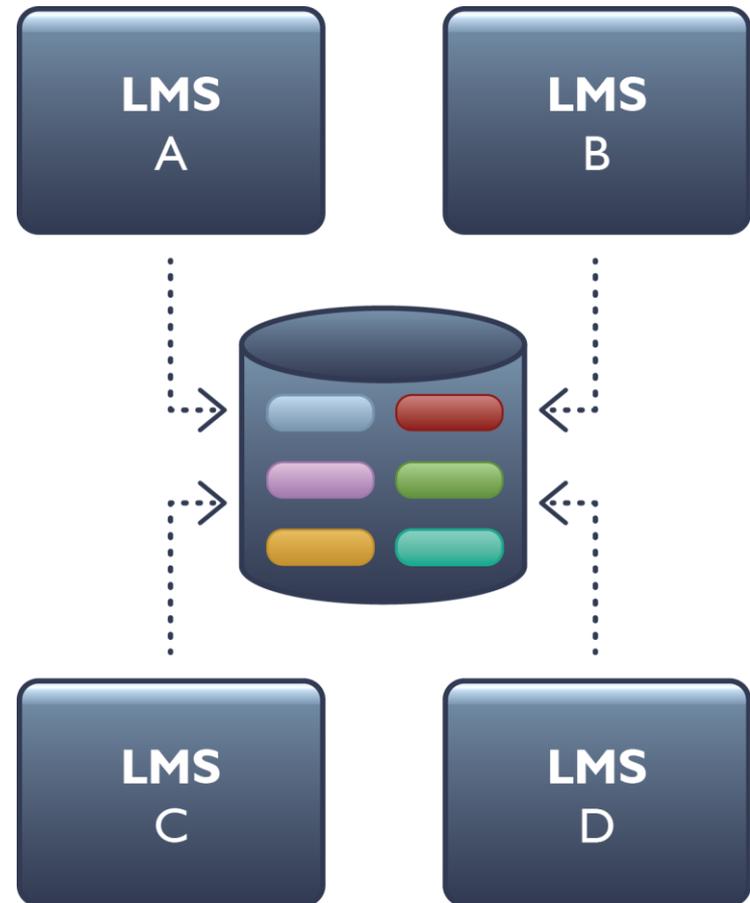


# Hosted Content



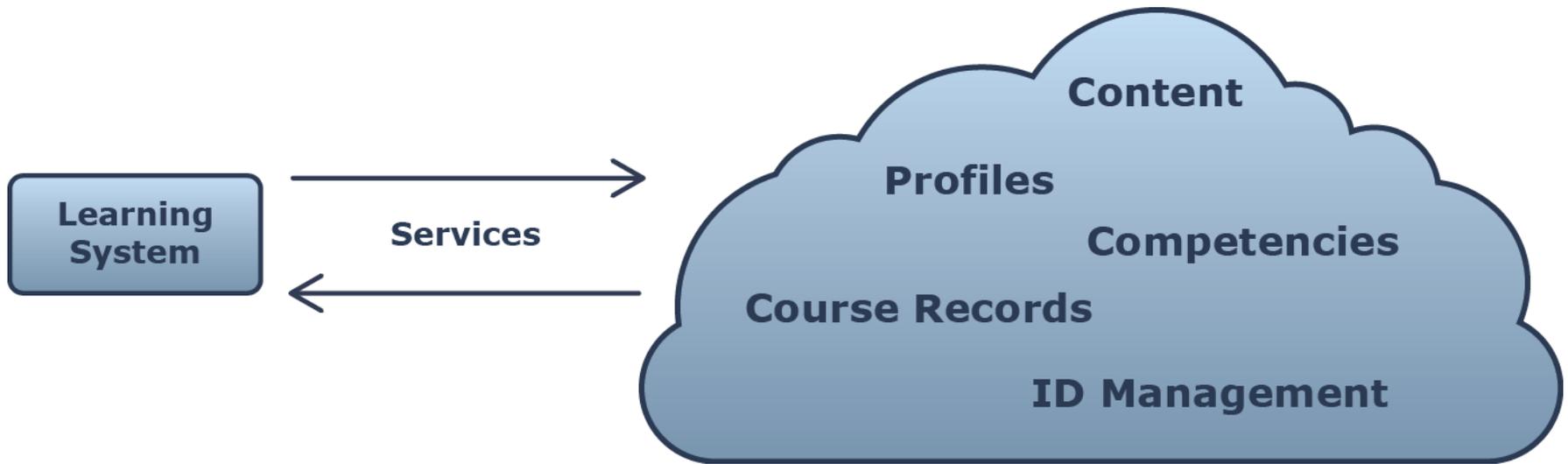
## A New Content Model

- Content As A Service
- Repositories and Content Servers house content
- LMSs reference the authoritative version of the content
- Service interfaces control access and learner data





# Systems in the Cloud



Enterprise Architecture Approach



# Will SCORM “Work”?



- Many organizations have created middleware to enable SCORM to operate in the new environment
- Many solutions are proprietary implementations for a single system
- Do we update SCORM to work in this environment?



# What's New?



- New Website
- Minor Update to SCORM 2004 4<sup>th</sup> Ed.
- External Working Group(s)
- SCORM Best Practices Guide
  - Programmers
  - Instructional Designers
- Certification!



# SCORM 2004 4<sup>th</sup> Ed Update



- Complete the SCORM by releasing an updated SCORM 2004 4<sup>th</sup> Edition
- No changes in functionality
- Updates include:
  - Section 508 Compliance
  - Technical clarifications
  - Typo corrections





# SCORM and ISO



- The current ISO SCORM technical report is based on SCORM 2004 3<sup>rd</sup> Edition
- After completing the SCORM 2004 4<sup>th</sup> Edition updates, resubmit to ISO



# External Working Groups



## Mobile SCORM Project

- External spec and standard body
- Mobile application profile
- Best Practices Guide
- Coordinating efforts to make this possible now

Others Projects?... Transition...



# SCORM Best Practices Guide



- Divided into 2 documents for
  - Programmers
  - Instructional Designers
- Based on an extensive study of a range of novices to experts



# Certification

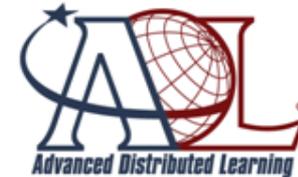


- Documentation: Complete 
- Software: Complete 
- Process: Complete 

In the process of rolling it out to the certification center...



# ADL Initiative



Questions?