

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

SCORM® Update

iFest 2011, 2-3 August

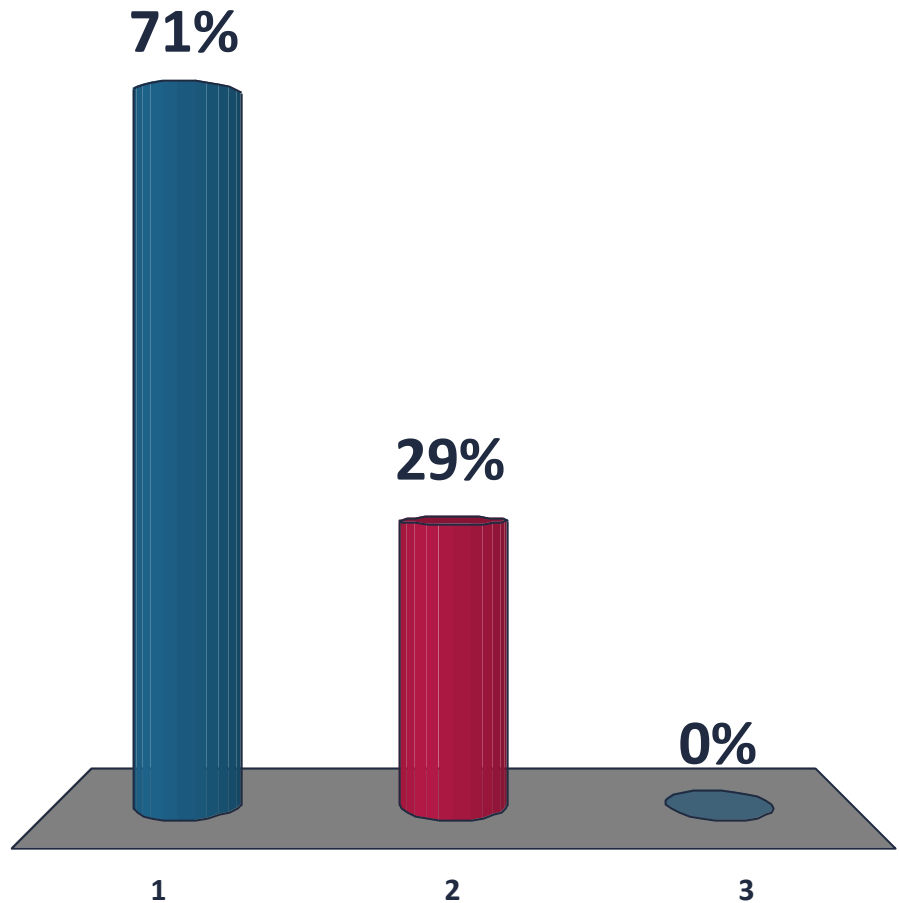
Dr. Rovy Branon, Executive Director, Academic ADL Co-Lab
Joe Nelson, SCORM Auditor/Developer, Academic ADL Co-Lab
Jonathan Poltrack, ADL Technical Team Co-Lead,
contractor with Problem Solutions



Are you familiar with SCORM?



1. Yes
2. No
3. Abstain

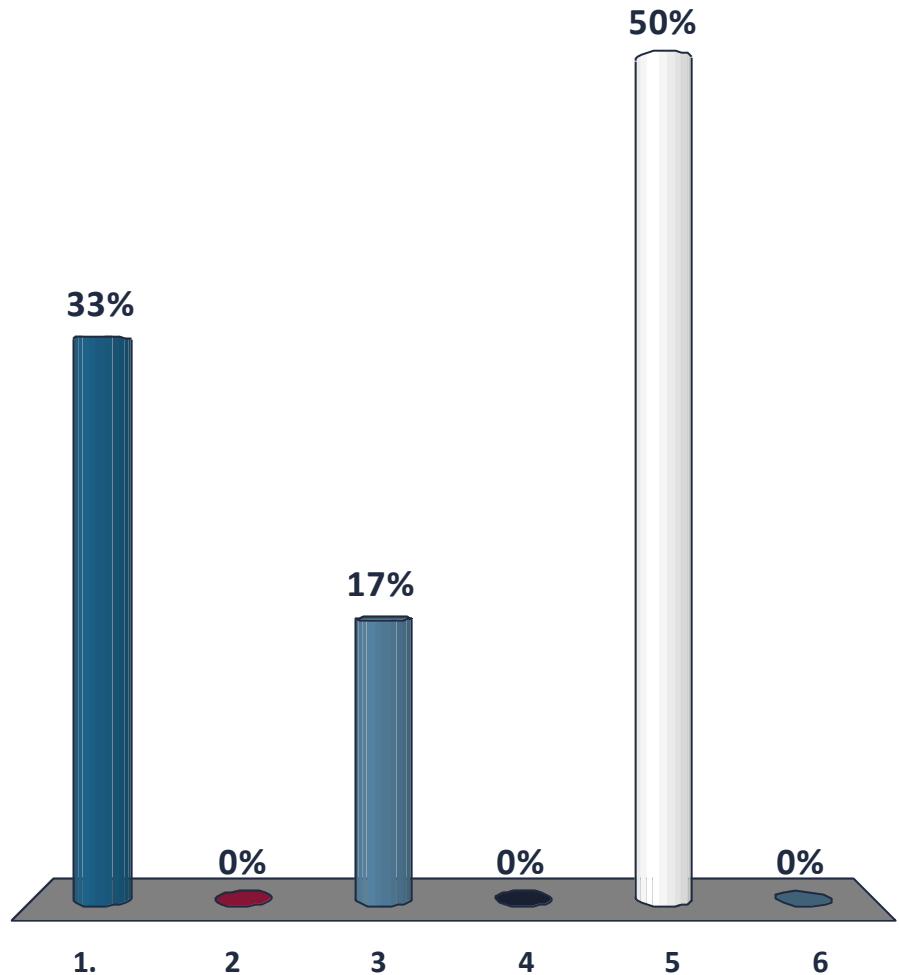




What version of SCORM do you use?



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

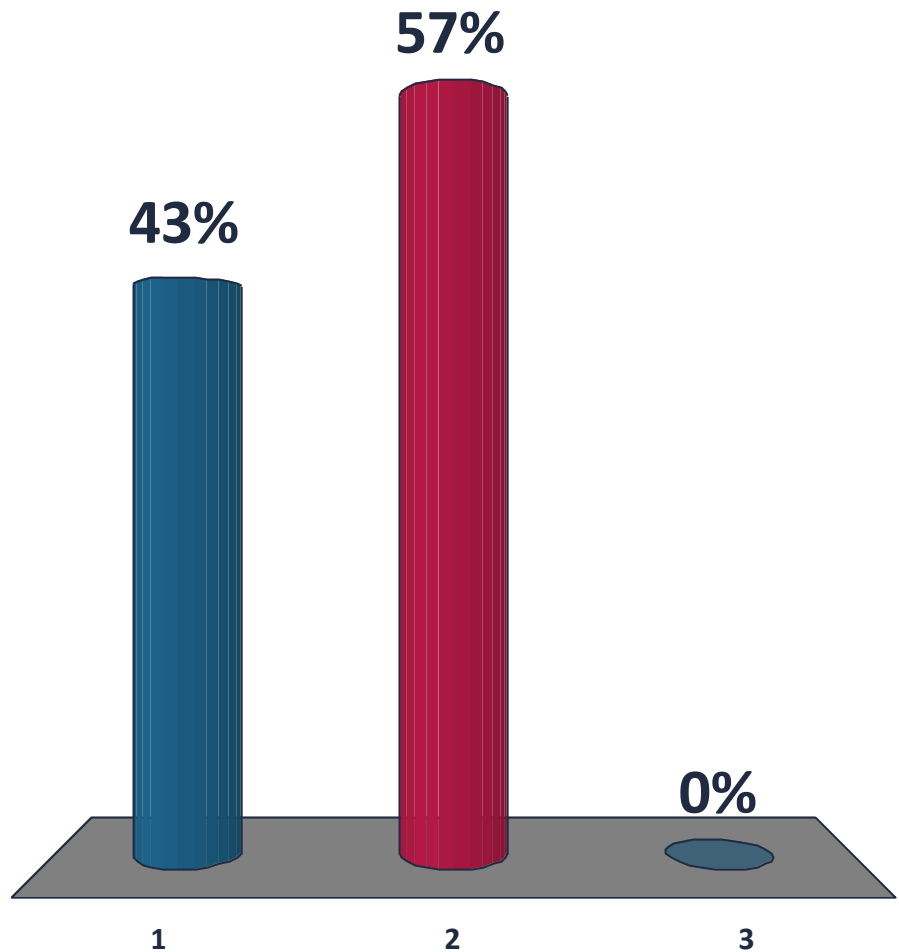




Are you working with/on mobile content?



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



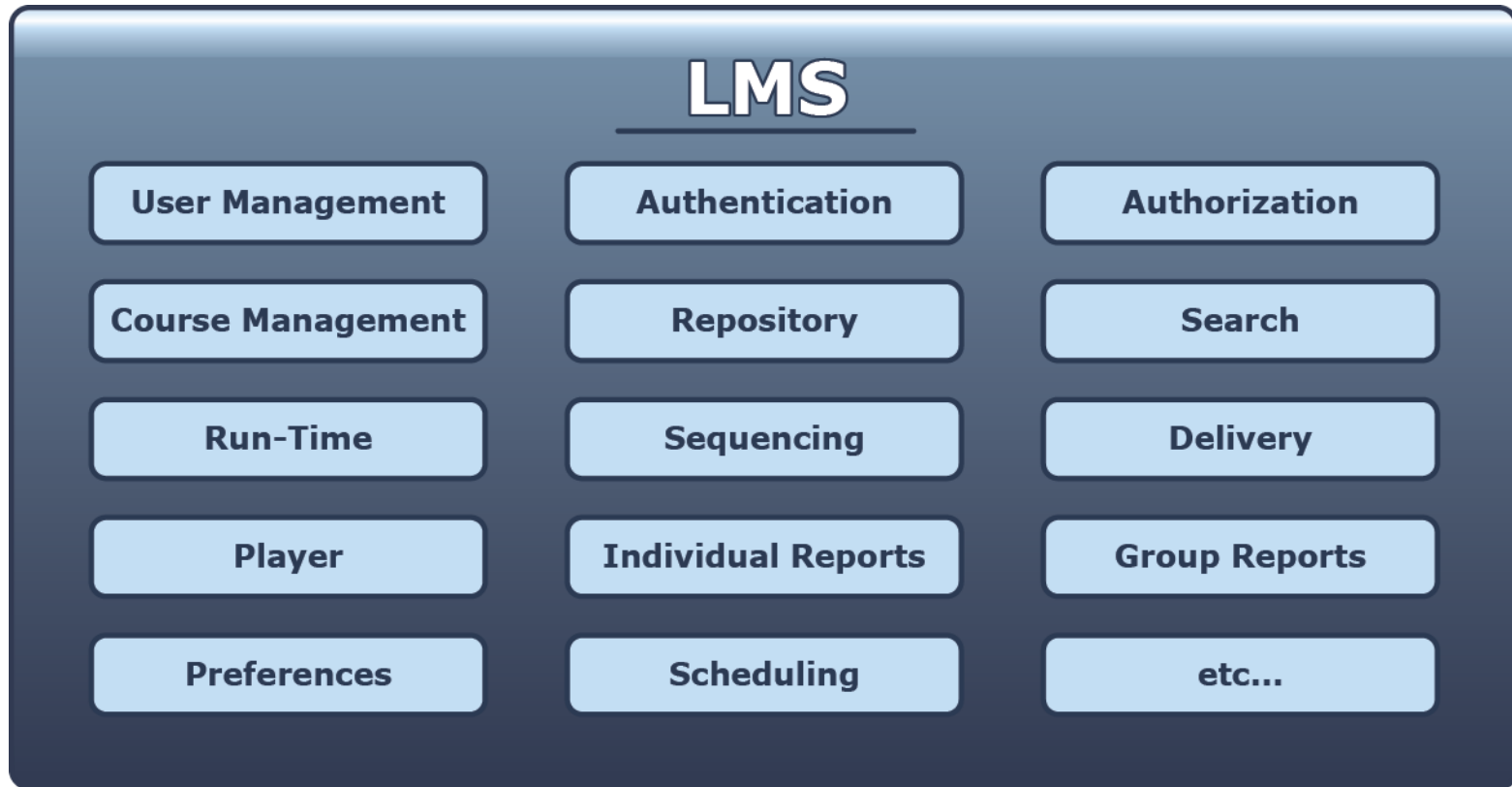
SCORM Requirements



- 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



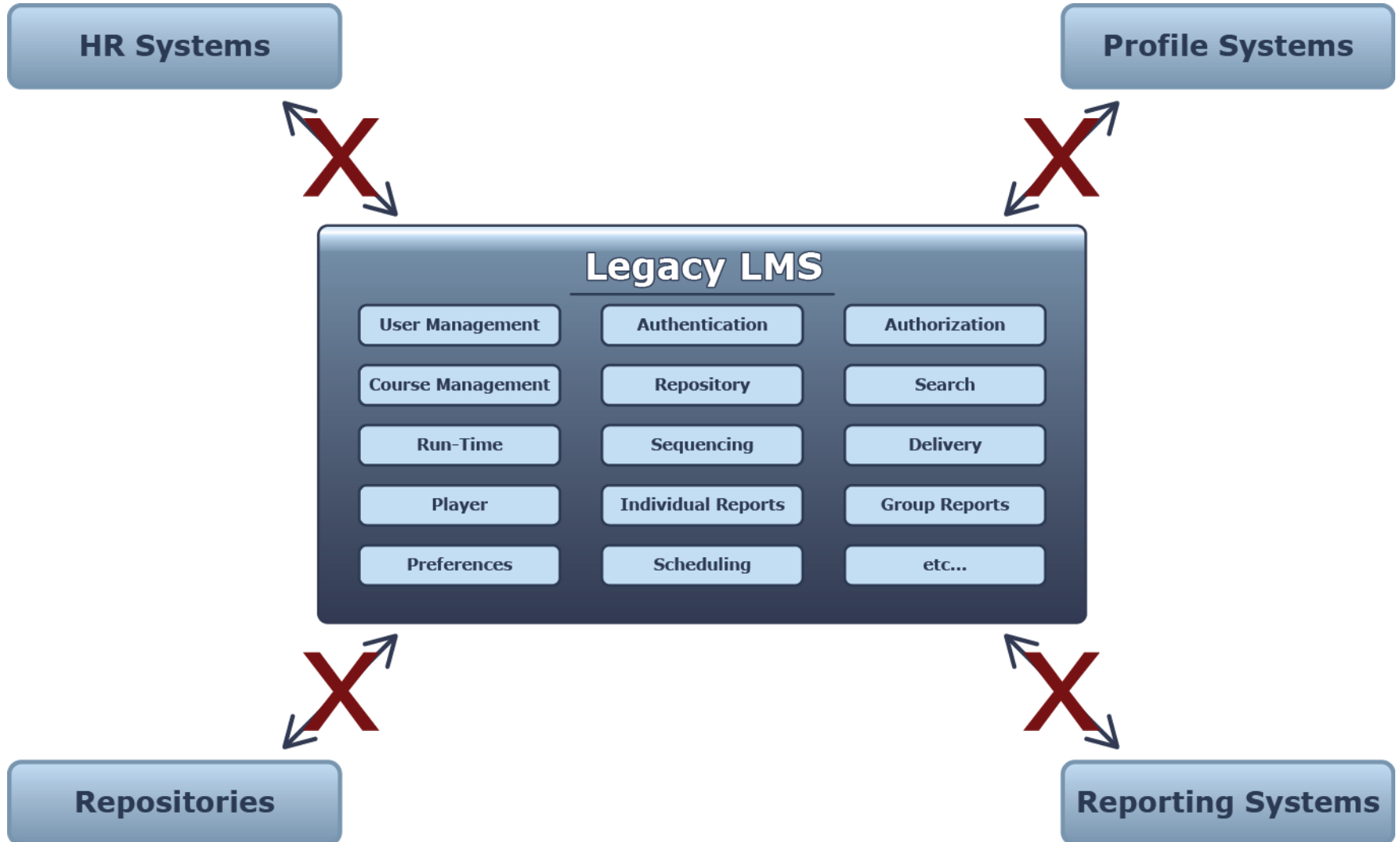
The Result



Monolithic Systems

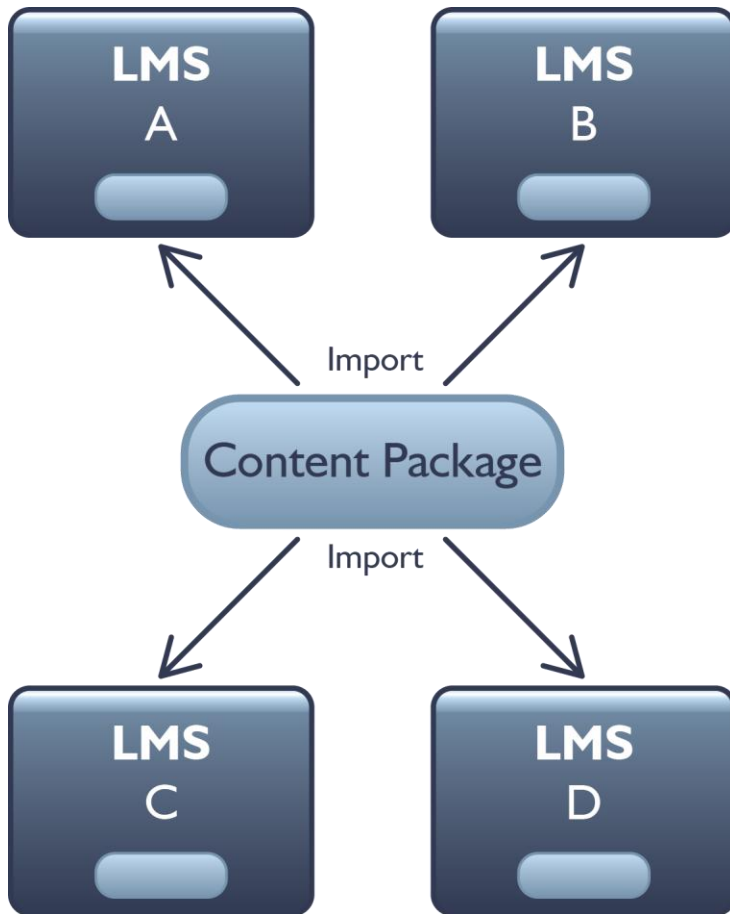


Enterprise Architecture





...And Content

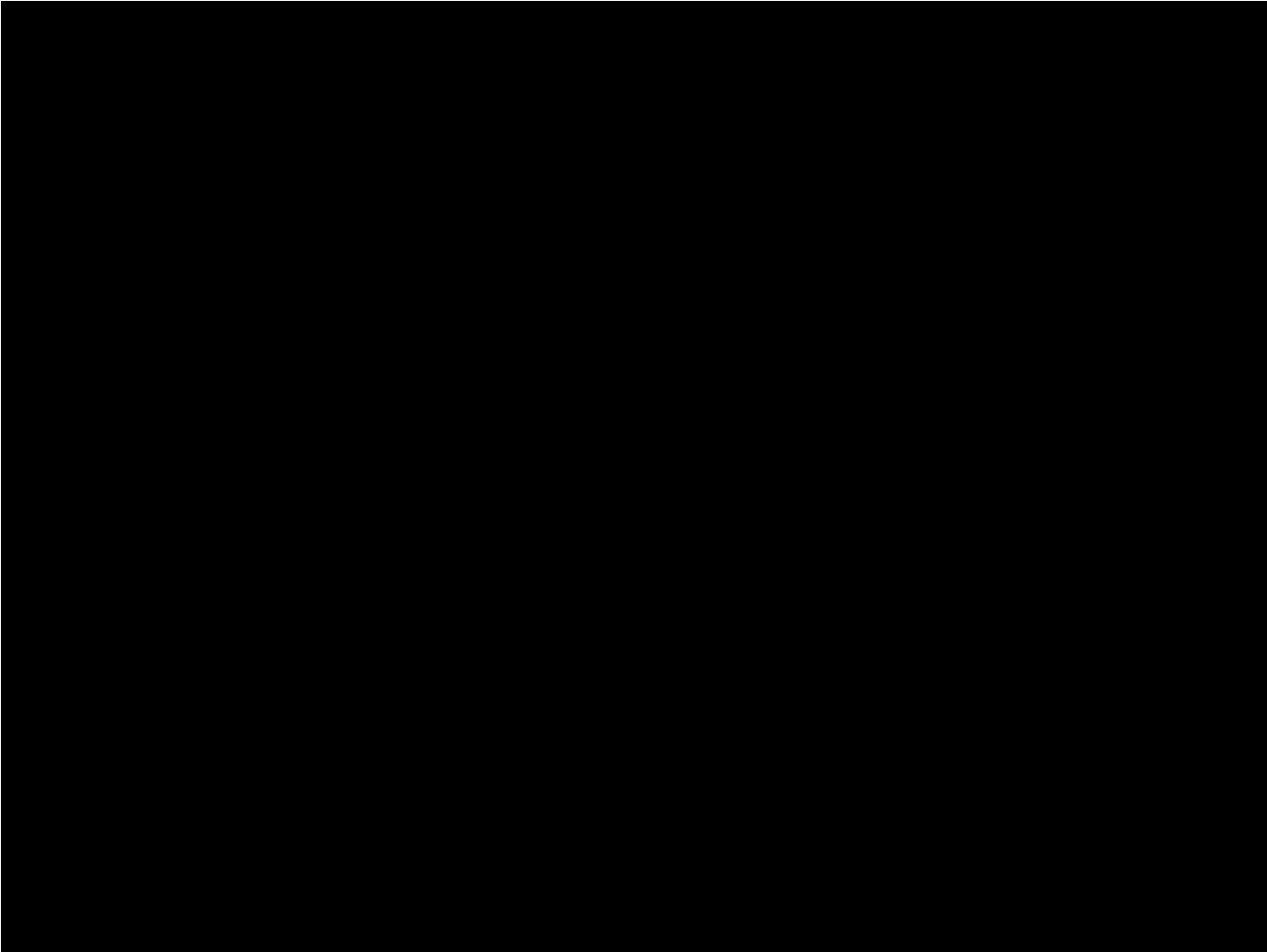


Distributed Content

- 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



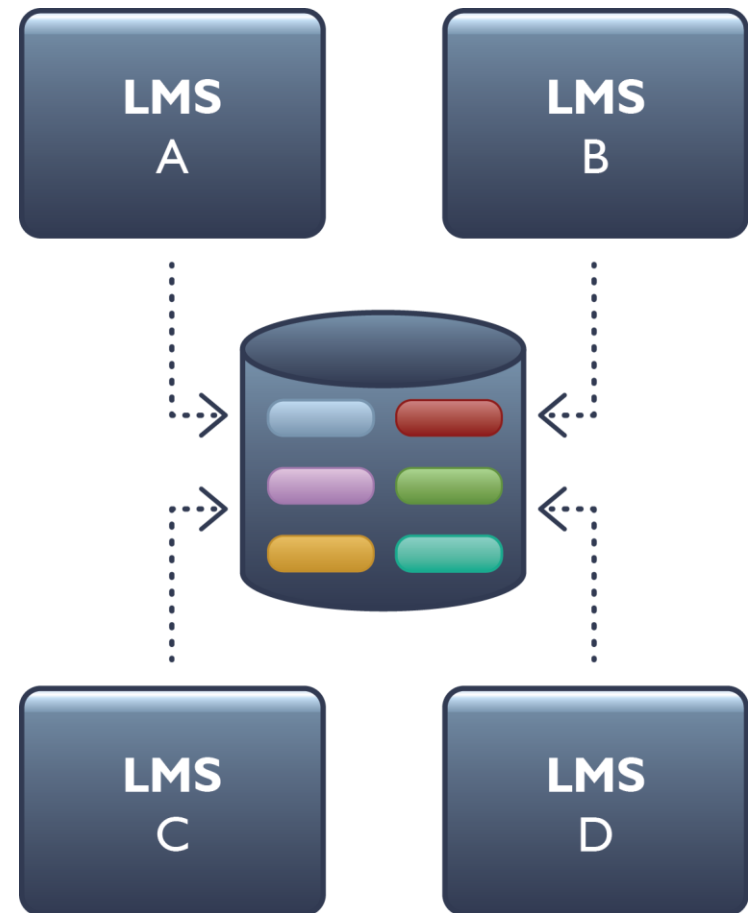
A Changing World...





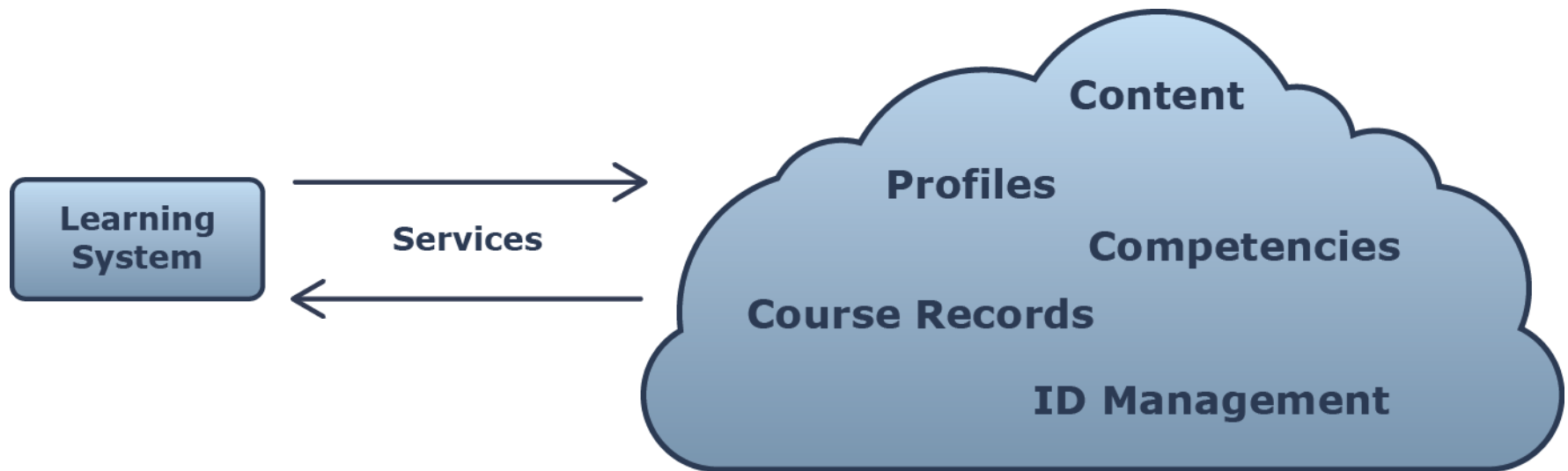
A New Content Model

- 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 4th Ed.
- External Working Group(s)
- SCORM Best Practices Guide
 - Programmers
 - Instructional Designers
- Certification!



SCORM 2004 4th Ed Update



- Complete the SCORM by releasing an updated SCORM 2004 4th 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 3rd Edition
- After completing the SCORM 2004 4th 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?