



Moving from SCORM to Experience API (xAPI)

The SCORM to xAPI Roadmap

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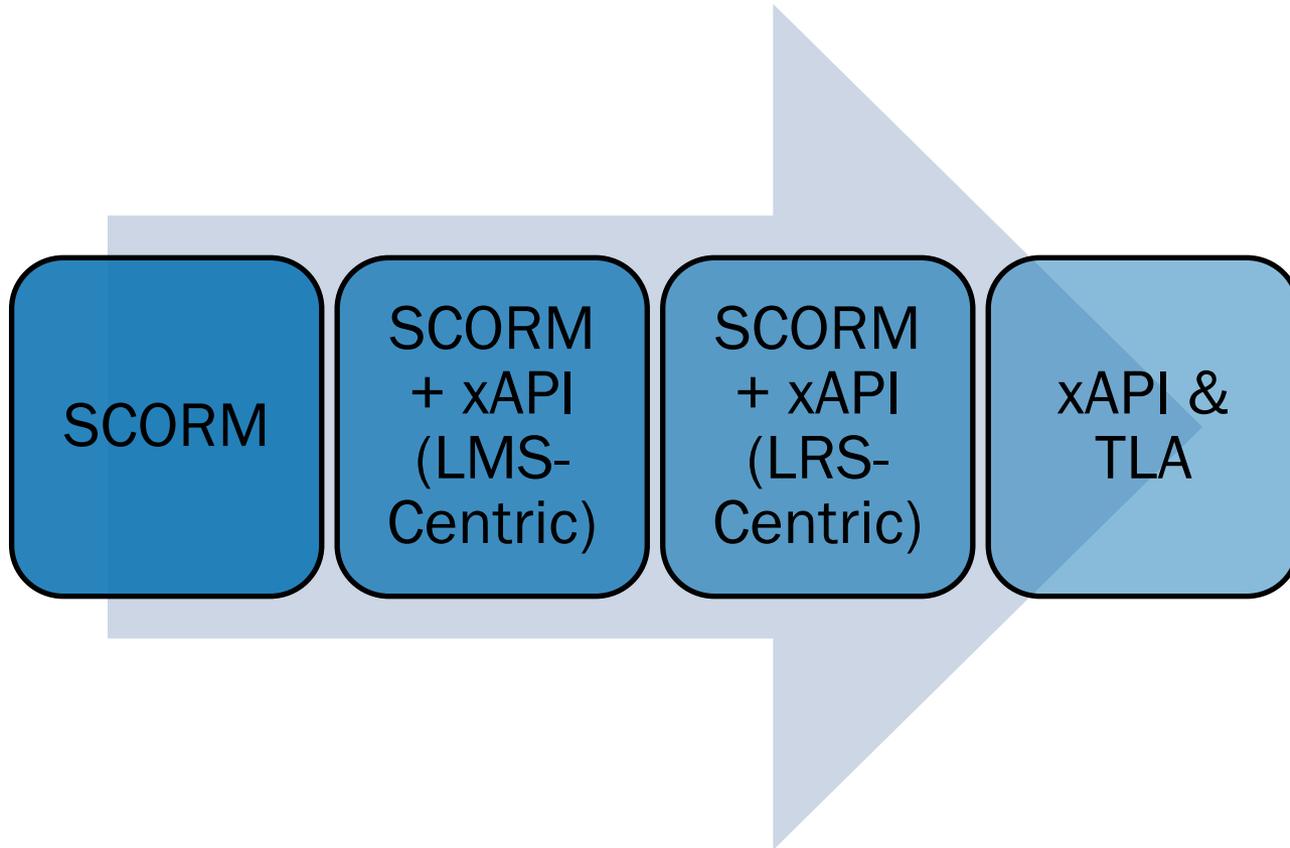


EXPERIENCE
 API™

What if I'm not starting
from a blank slate?

SCORM to xAPI Roadmap

SCORM to xAPI Roadmap



Defining a progression from SCORM to Experience API

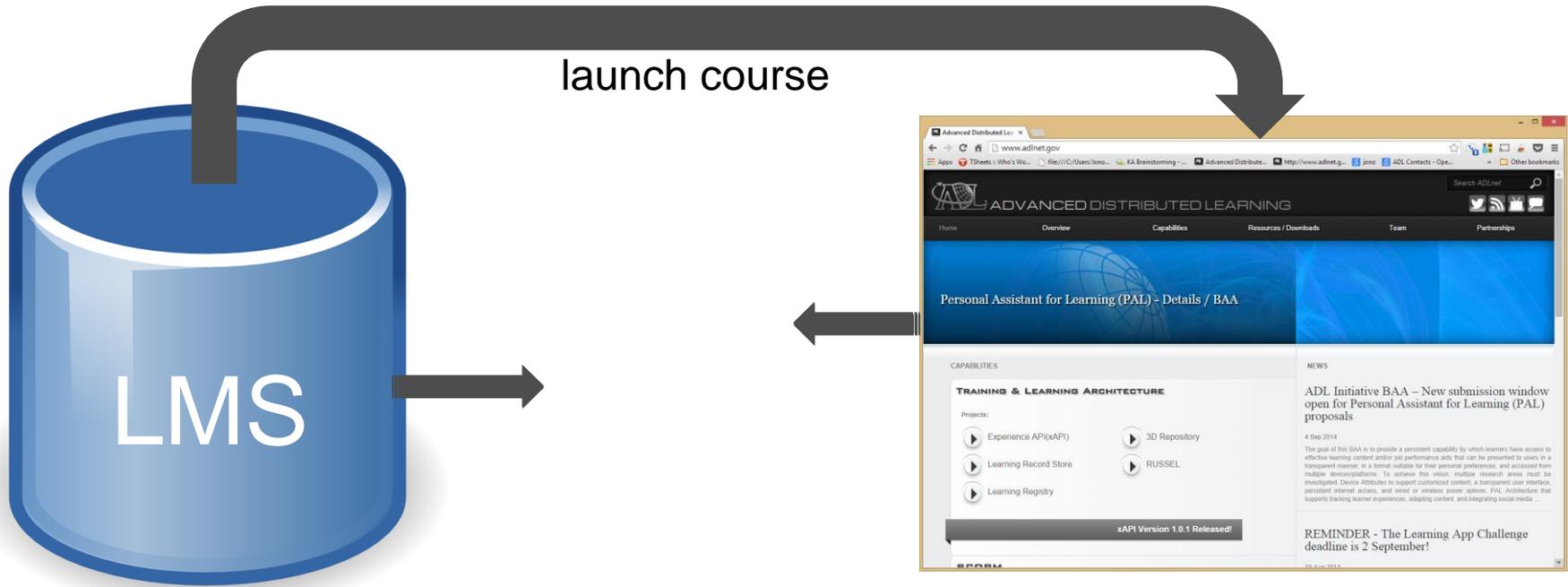
Roadmap “Phases”

Each Contains:

- **Description**
- **“For you if...” bullets help determine if a certain phase is right for you**
- **Benefits of moving to the phase**
- **Information on how to transition from the prior phase**
- **Resources and examples**

Phase 0 SCORM

Phase 0 - SCORM



SCORMTM
Sharable Content Object Reference Model



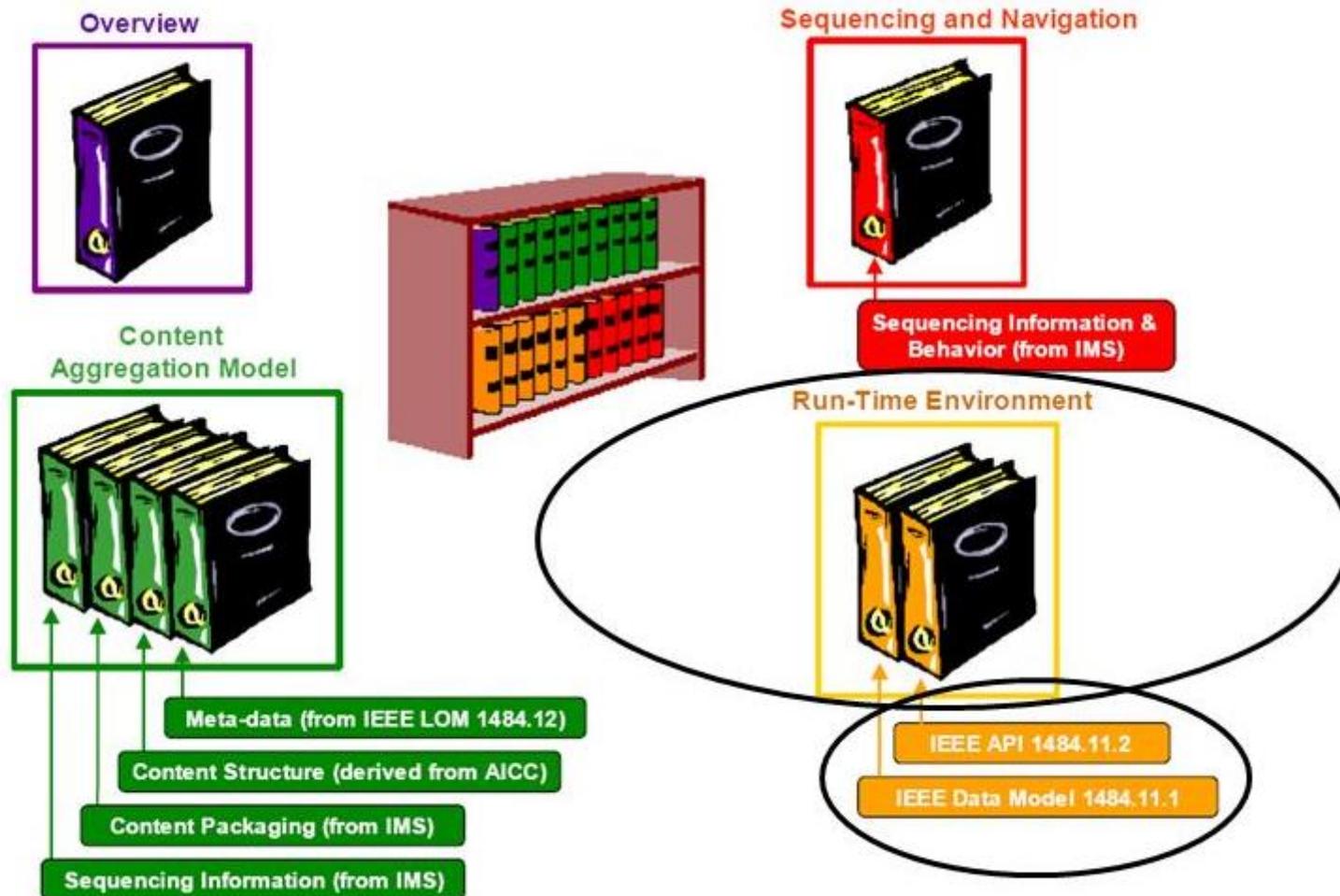
For you if...

- **your LMS is the immutable center of your organization's learning architecture**
- **you rely on authoring tools or content developers that create SCORM content**
- **you need to protect investments in existing SCORM-conformant content**
- **your learning/training is primarily (or solely) web-based and single learner**
- **you have little to no budget or resources for updates of learning systems or courses**
- **you have a requirement from a stakeholder to use SCORM**

Benefits

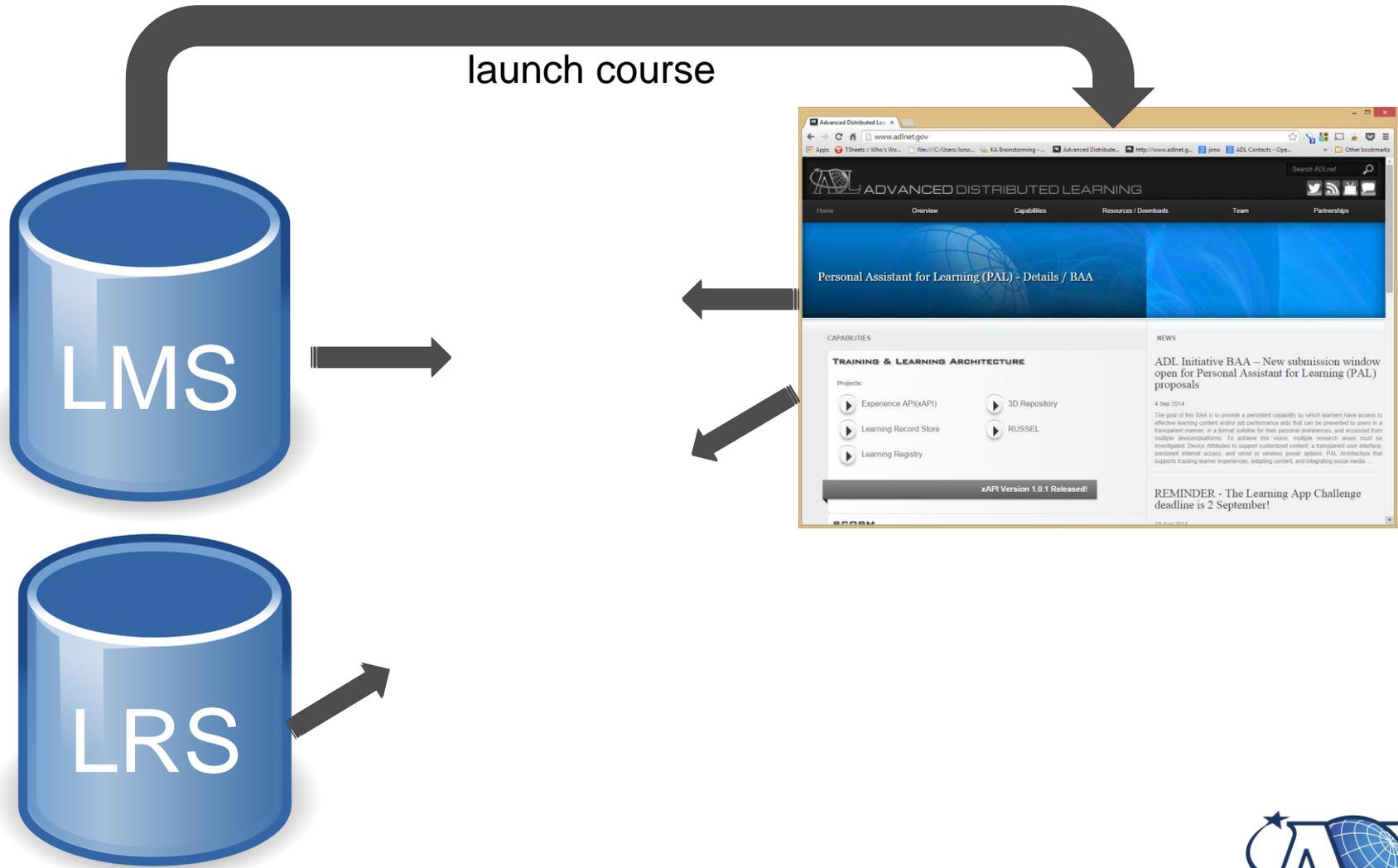
- Many organizations already have a SCORM-conformant LMS so investment could be minimal
- SCORM is widely adopted so there are many tools available that use SCORM formats
- Many ISDs and content developers are aware of SCORM and know how to design and develop SCORM courses
- Requires little to no change to the current practices
- SCORM is a mature specification (ISO technical report), so it is stable without frequent changes

Transitioning to this Phase



Phase 1
SCORM + xAPI
(LMS-Centric)

Phase 1 - SCORM + xAPI (LMS-Centric)



For you if...

- **your organization has a heavy reliance on an LMS as the center of your e-learning architecture**
- **your authoring tools or content developers are primarily used to creating SCORM content**
- **your organization needs to protect a large investment in existing SCORM-Conformant content**
- **your learning and training is primarily (or solely) web-based and single learner**
- **your organization is seeking to invest in modern learning technologies in near future**
- **the data reporting or analytics using LMS-provided reports is not sufficient for organizational needs**
- **you want to track additional information about a learner's interaction with a SCORM course that is not possible with the SCORM Run-Time.**



Benefits

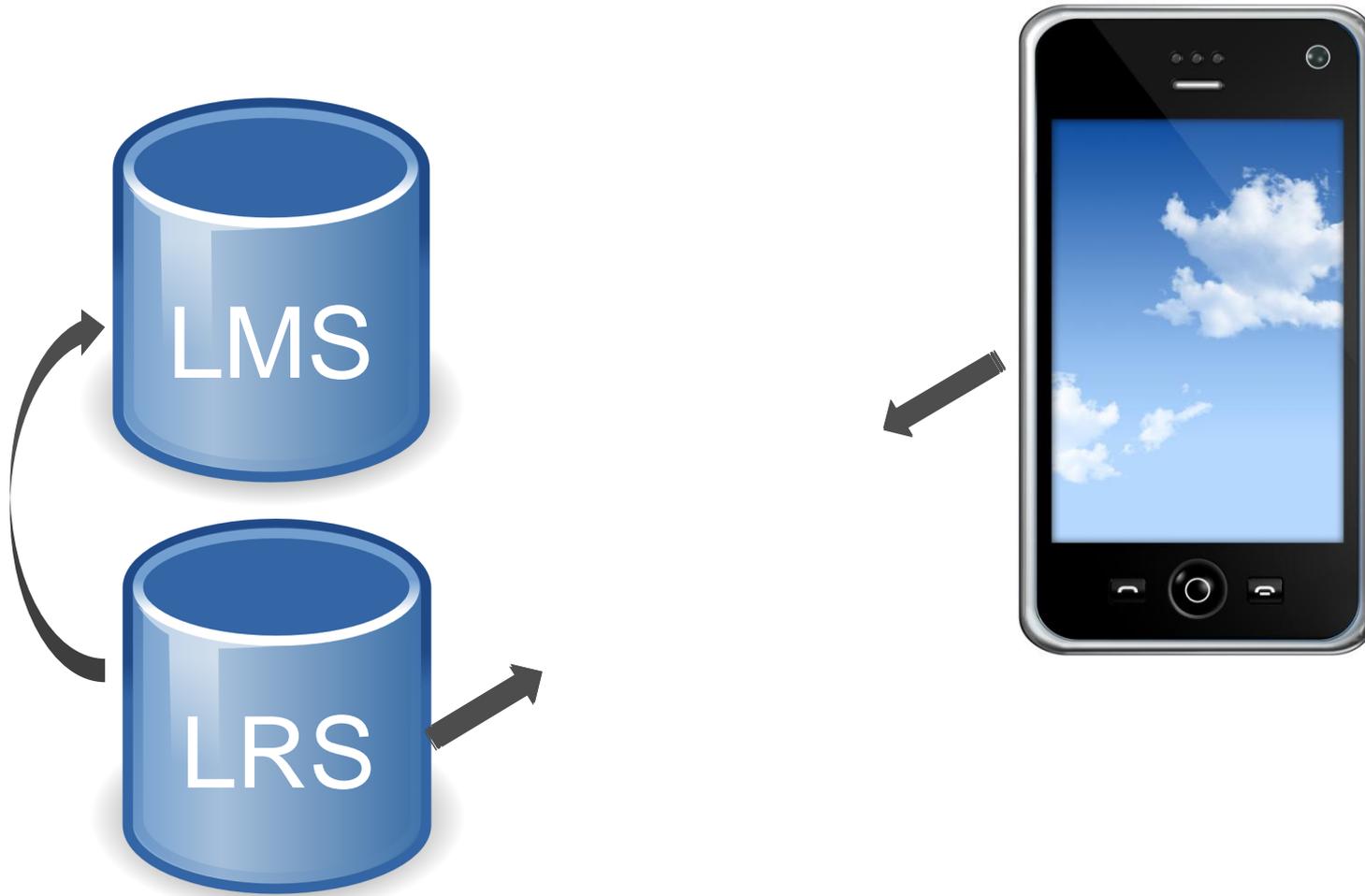
- **SCORM is widely adopted so there are many tools available that use SCORM formats**
- **Many ISDs and content developers are aware of SCORM and know how to design and develop SCORM courses**
- **Causes no changes to SCORM tracking, still interoperable with the SCORM.**
- **Requires minimal change to existing courses to begin dual-tracking**
- **LRS exposes learning data via standardized interface**
- **LRS persists and allows access to multiple attempts and changes in data value state**
- **LMS is still the primary data store for SCORM data**
- **LRS allows tracking of additional (non-SCORM) data as defined by the organization**

Transitioning to this Phase

- Update content to report data to an LMS and an LRS
- Acquire/build/install and configure an LRS
- Begin following practices as expressed in the SCORM to xAPI Profile
- Create reports, dashboards, analytics, etc. as needed

Phase 2
SCORM + xAPI
(LRS-Centric)

Phase 2 – SCORM + xAPI (LRS-Centric)



For you if...

- **your organization relies on an LMS but mainly for existing integrations with other systems**
- **your authoring tools or content developers create SCORM content, but also invest in content managed outside of the LMS**
- **your organization is beginning to use mobile apps, simulations, games or other non-web-based content.**
- **your organization is investing in modern learning technologies and has an LRS available**
- **data reporting or analytics using LMS-provided reports is not sufficient for organizational needs**
- **your organization desires to track additional information about a learner's interaction with a SCORM course that is not possible with the SCORM**

Benefits

- Can support content that is not managed by an LMS: mobile, simulations, games, etc.
- Can track data about individual learners, groups of learners, teams, instructors, mentors, peer, etc.
- LRS exposes learning data via standardized interface for reports and analytics
- LRS allows tracking of additional (non-SCORM) data as defined by the organization
- LMS becomes a less critical part of the organization, allowing the organization to begin to support a SaaS approach to their learning environment.
- Can begin to integrate with other components more easily

Transitioning to this Phase

- **Configure your LMS to pull data from your LRS (or vice versa)**
- **Move away from having to have content report directly back to the LMS (as LMS will pull data from LRS)**
- **Enable content “launching” to be handled outside of the LMS**
- **Determine content and user access and authentication**

Phase 3
Training & Learning
Architecture (TLA)

Roadmap Resources

xAPI SCORM Profile



- Documents usage guidelines to generate consistent and predictable Statements
- Contains mapping of SCORM data model elements to xAPI
- Describes how to represent SCORM temporal model in xAPI Statements
- Contains example Statements for typical SCORM values

SCORM to xAPI Wrapper



- Open source JavaScript wrapper designed to replace the SCORM API Wrapper used in many SCORM content
- Listens for communication with the LMS and sends xAPI statements as described in the SCORM Profile
- Configurable to work with different LRSs

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