

# Uncovering the Technology Challenges of moving toward a Modern, Total Learning Architecture-Centric Ecosystem

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#### What we will be covering in today's activity

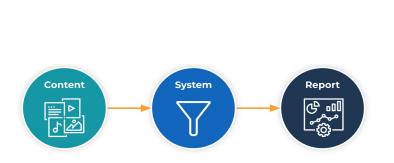
- The complexities of a modern learning ecosystem.
- Overview of the Total Learning Architecture (TLA) model.
- Requirements for moving towards a TLA-centric approach and identifying which standards to use.
- Small group workshops to dive deeper into real life use cases.
- Knowledge sharing, group findings, and how to take this back to your organization.

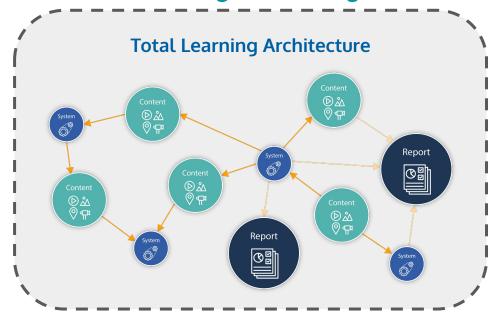




#### A maturing learning ecosystem

"On average, organizations use 25 different learning technologies.\*"









#### What is the Total Learning Architecture (TLA)?

"A set of technical specifications, standards, and policy guidance that define a uniform approach for integrating current and emerging learning technologies into a learning services ecosystem. Within this ecosystem, multiple services and learning opportunities (of various modalities and points of delivery) can be managed in an integrated, interoperable "plug and play" environment."





## Moving toward the TLA: Supporting the Continuum of Learning

- Formal education and training, just-in-time support, and informal learning are integrated.
- Holistic approach to education, training, and talent management.
- Disparate learning technologies and methods are interoperable within a cohesive ecosystem.
- Learning adapts to individual and team needs, contexts, and characteristics.
- Learner data from across many sources are aggregated and analyzed to drive decisions.
- Modular education and training can be delivered at the point of need.

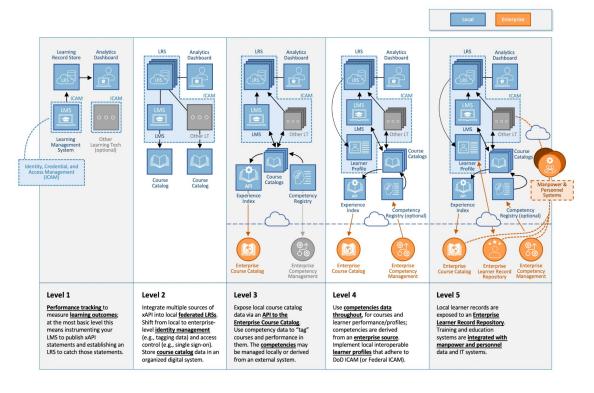




#### **TLA Maturity Levels**

#### Level 5- the ultimate goal

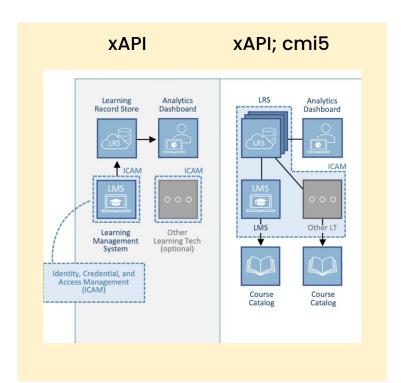
Enterprise learner records are tied to Human Resource, Talent Management, or other Personnel systems to drive career management, workforce planning, and mission readiness.







#### **Getting started: Instrumenting for the TLA**



#### Level 1 - Capturing the data

- xAPI enabled learning activities
- Learner performance is stored within a centralized
  Learner Record Store (LRS)

#### Level 2 - Making sense of the data

- Aggregation and analysis of learning data at the enterprise level. (xAPI Profiles; cmi5)
- May include numerous LRS solutions that are connected to any number of learning activities.





#### Where do the standards fit into the TLA?

Mobile Apps Serious Games **Activity Type** IMS Simulations LMS **Custom Learning Portal** Activities Learner Access Big 4 Simple Interactions In-Depth Interactions **Arbitrary Data** Types of Data Which Standard? **SCORM** cmi5 **XAPI** 





## Thinking it through: Practical applications

What? Activity type	How/When/Where? Learner Access	What did the learner do? Data Capture	Where does it need to go? Analytics





## **Break out time!**

Small group activity to workshop current ecosystems and how to start moving closer to TLA maturity





## Thinking it through: Practical applications

What? Activity type	How/When/Where? Learner Access	What did the learner do? Data Capture	Where does it need to go? Analytics





#### Thinking it through: Common scenarios

What? Activity type	How/When/Where? Learner Access	What did the learner do? Data Capture	Where does it need to go? Analytics
elearning course e.g. CPR 101	LMS assignment	completion/satisfaction; score;time	LMS->Data store
Simulation Resusci Annie	Instructor led	Detailed actions	LMS->Data store





## **Activity: Information learners consume**

Who to ask:	Source/Vendor (Authoring	Standard/Output	System
□ Instructional designers	tool, COTS, etc.)	(SCORM 1.2)	(LMS it plays in)
☐ Training department			
□ LMS administrators			
□ Content developers			
□ Program manager			





## Systems: Where learners go to find information

Who to ask:	<b>System</b> (LMS, LXP, HCMS, Mobile	Standard (SCORM 2004	Output
□ Program manager	Apps)	3rd Edition)	(Report types)
☐ Training department			
□ LMS administrators			
□ Systems administrator			





#### Reporting: Tools to collect and analyze data

Who to ask:	Type/Vendor	Standard	Output
	(LRS, LAP, BI tool)	(API, xAPI)	(API, CSV)
□ Stakeholder			
☐ Training department			
□ Analyst			





## **Summary of group discussions**

Activity Types	Systems/Access Points	Data Collected	Reporting





#### Resources

Scan QR code to access the slides and activity sheet handouts

#### Questions? Ask us anything!

**Learn more:** rusticisoftware.com | scorm.com | xapi.com



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