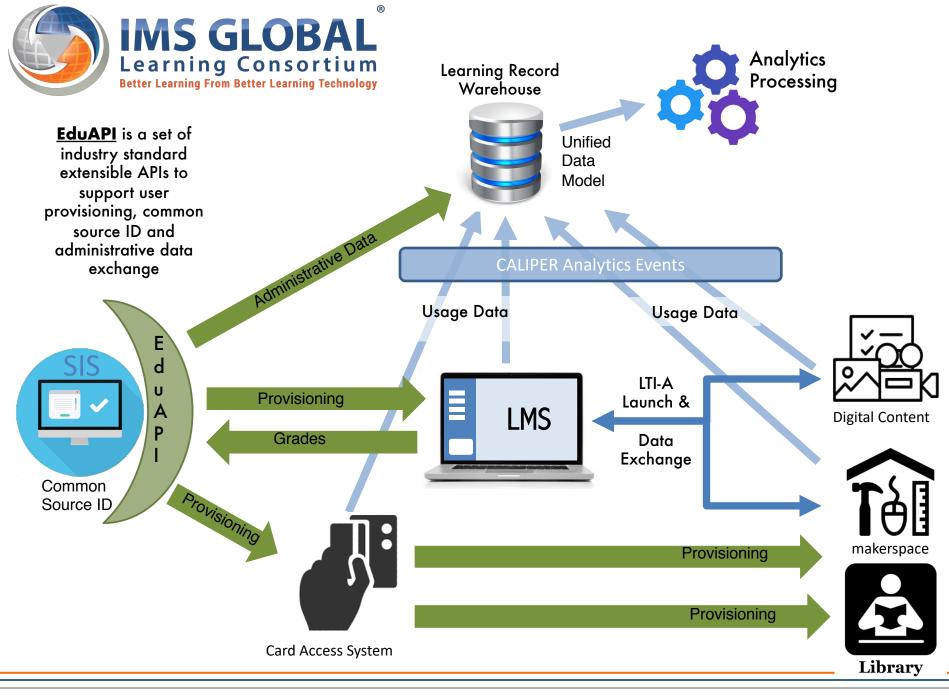


IMS Specifications: APIs for the Education Technology Interoperability Ecosystem for HED

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Objectives of the APIs

- To enable Interoperability for the transfer of educational data for Higher Education (data in motion).
- Abstract model to separate the service solution from the technology solution
- Provide off-the-shelf code libraries and reference implementations to ease wide-scale adoption



IMS Global Learning Information Services (LIS) v2.0



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Course Planning & Scheduling

- Uses the LIS API to enable the SIS to provide the Planning & Scheduling (PAS) system with the requirements
- Use iCAL to realise the Event Service for the notification of the created schedules





- Linking the Student Information System (SIS) to the Learning Management System (LMS) for K-12 institutions
 - Class Enrollment
 - Exchanging Gradebooks
 - Provisioning of Learning/Teaching Resources
 - Common Cartridge/Thin Common Cartridge
 - LTI



IMS Service-based Specifications

- We provide APIs for:
 - Learning Information Services (LIS)
 - OneRoster
 - Course Planning & Scheduling (CPS)
 - LTI/LTI Advantage
 - Competencies & Academic Standards Exchange (CASE)
 - OpenBadges
 - LTI Research Search
 - Computer Adaptive Testing (CAT)
 - Comprehensive Learner Record (CLR)

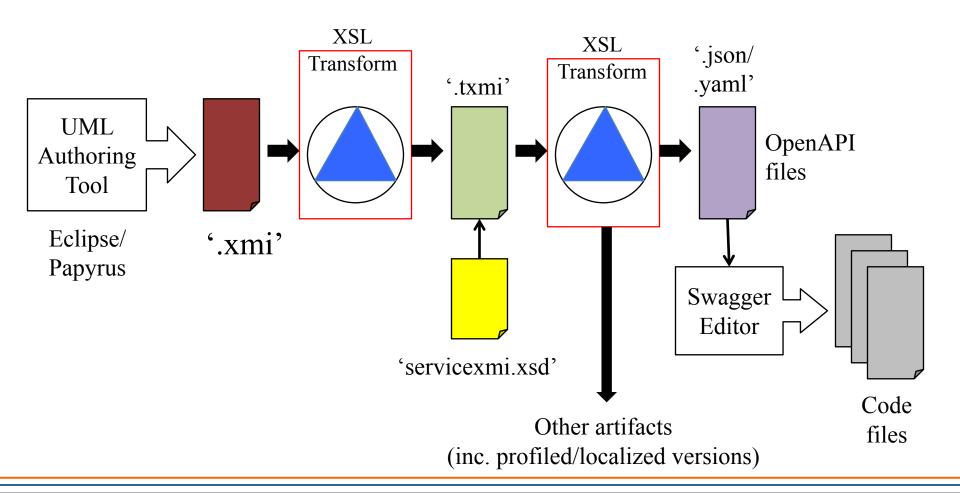


What IMS Means When Creating a Specification for an API

- Information Model
- Binding Description
- Conformance & Certification
- OpenAPI representation



Modelling Workflow





Conformance & Certification

- This is an essential part of the development of a specification and sustaining the relevance of the specification
 - Service Provider Certification
 - Consumer Certification
 - Data Validation



Key Recommendations

- Keep the scope focused
 - For HED, what is the first interoperability problem to solve for Europe/Your Country
 - Something not Everything
- Be successful within 12 months i.e. this time next year
 - Initial solutions being demonstrated/used



Questions & Comments

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