From Enrollment to Transcript: Rostering in K-12 and HED

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- IMS History for Rostering Specifications

- The OneRoster Specification

- What Next for OneRoster?

The Core Use-case (s)

- It starts with:-
  - To make it easy to exchange information about the student enrollments on a course and/or attending a class

- It then becomes:-
  - To exchange information about the assignments and grades for a student enrolled on a course/class

Historic Perspective

- Enterprise
  - Starts with simple support for rostering in HED
  - Release original Enterprise 1.0 data model in 2000
  - Enterprise Services in 2004
  - Learning Information Services (LIS) in 2011
    - First appearance of grade exchange

- OneRoster
  - K-12 version of LIS
    - Simple rostering for K-12
    - LIS is too complex
    - Move from WSDL/SOAP to REST/JSON data exchange
    - Allow CSV-based data exchange
  - Versions
    - 1.0 – June 2015
    - 1.1 – April 2017
    - 1.2 – April 2018 (planned)

- IMS History for Rostering Specifications
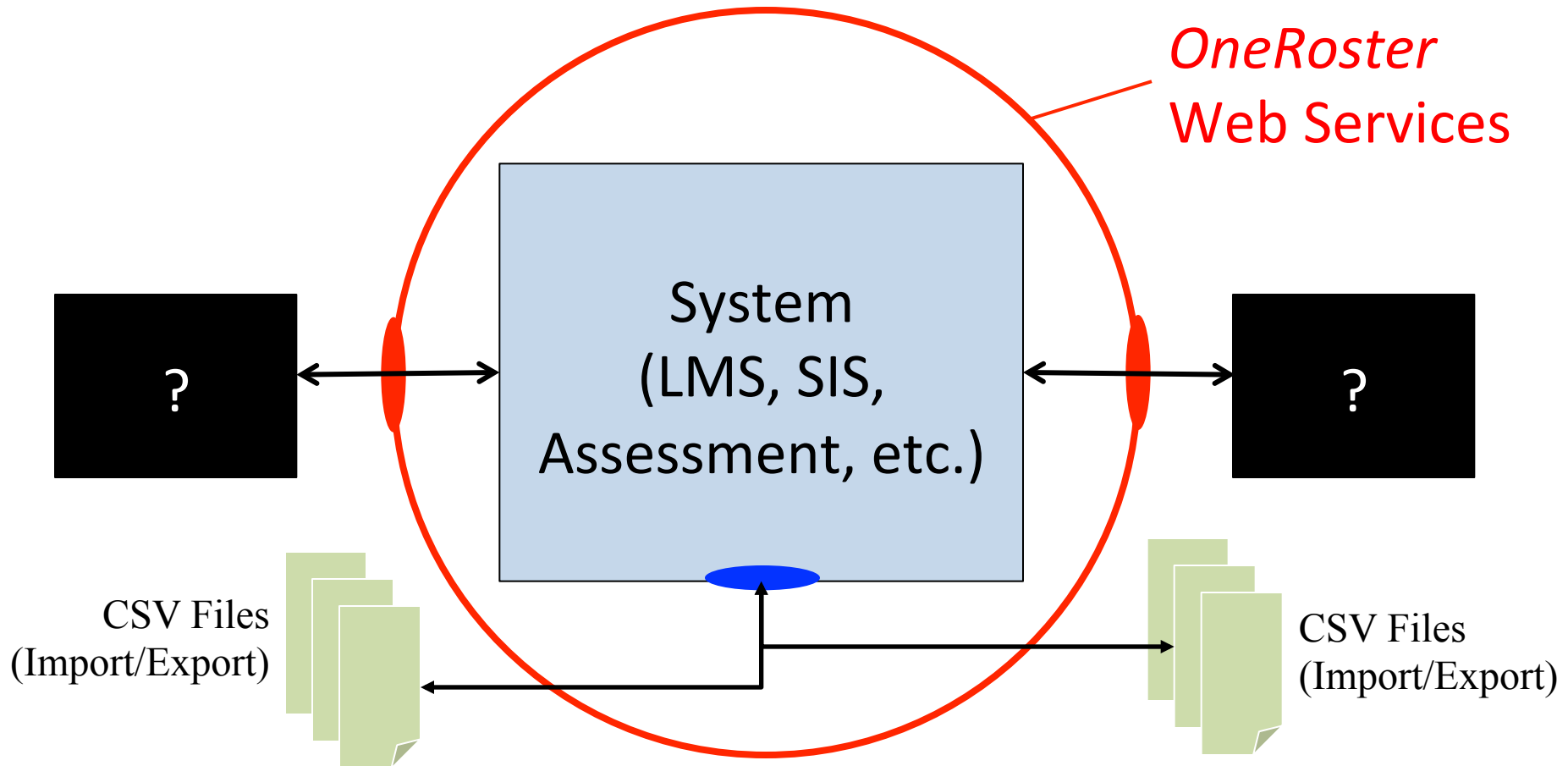- The OneRoster Specification
- What Next for OneRoster?

OneRoster Key Objectives

- Support information exchange between a Student Information System (SIS) and a Learning Management System (LMS) in K-12

- Support data exchange for:
  - Rostering
  - Resource Allocations
  - Gradebook

OneRoster Data

- Rostering
  - People and Organisations (inc. Schools)
  - Courses, Classes and Enrollments
  - Academic Sessions (inc. Grading Periods)

- Resource Allocations
  - Resources required for a course/class

- Gradebook
  - Results (inc. score)
  - LineItems (grouping of results)
  - Categories (grouping of LineItems)
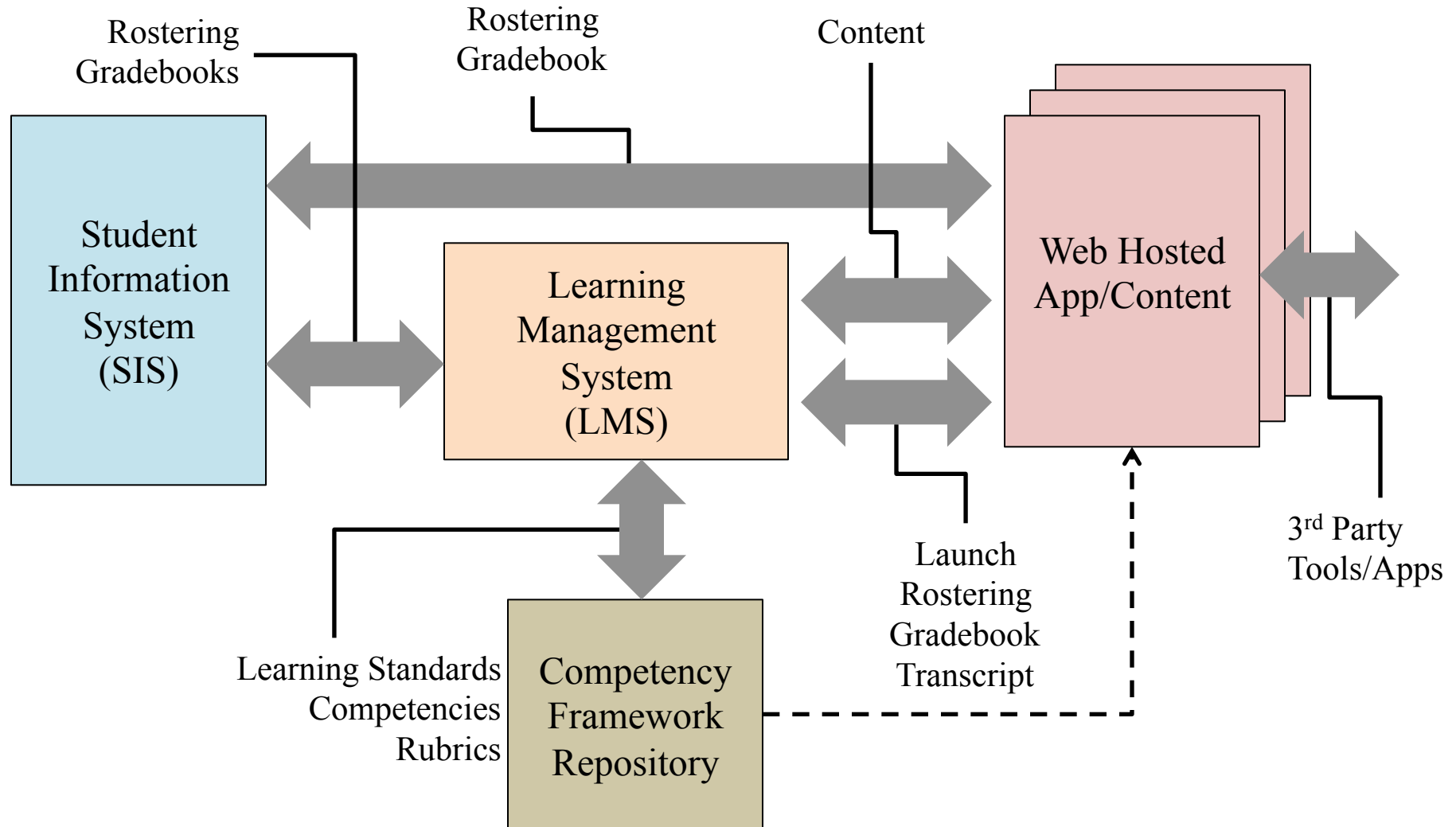 - ScoreScales (alignment of scores – added in OR 1.2)

OneRoster Interoperability

OneRoster Web Services

System
(LMS, SIS,
Assessment, etc.)

?

?

CSV Files
(Import/Export)

CSV Files
(Import/Export)

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Many Data Flows

Next Steps

- Specification Work
  - Internationalization
  - One K-12/HED Solution
  - Assignment and Grade Services
    - LTI/OneRoster
  - Integration with other IMS specs

- Adoption
  - ORCA Libraries
  - With IMS Japan Society - develop OneRoster Profile for Japanese K-12
  - With IMS Europe?

OneRoster Consumer API (ORCA)

- Make available off-the-shelf code libraries that implement the OR standard (1.1 & 1.2)
  - Simplifies and reduces cost of adoption
- Based upon OpenAPI 2 definition of the OR standard
- Already under development

Summary

- OneRoster 1.0/1.1 has undergone rapid adoption for K-12 in USA

- OneRoster 1.2 scheduled for public release in April 2018

- OneRoster adoption in Japan now being planned by Japanese Government

- How can IMS Europe advocate/support OneRoster adoption in Europe?

Questions & Comments

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