IMS One Roster**TM**

A significant challenge and expense for districts is the requirement to support roster provisioning for their various content providers. Most districts have a Student Information System (SIS) or Student Data Store that is their system of record.
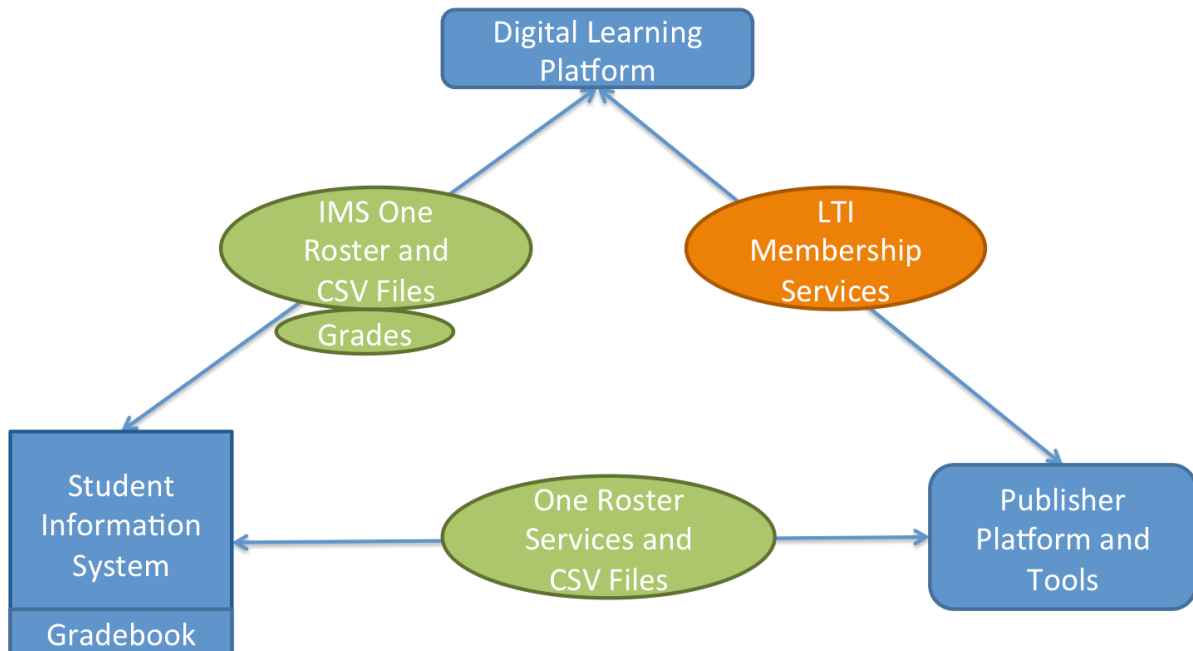As we move into the digital delivery of content and personalized learning it is becoming standard operating practice to connect a district system or systems with providers tools and platforms.

The current model of extracting **custom** CSV files is costly and very time consuming for both districts and providers of digital content and tools.

IMS has addressed the exchange of student information in Higher ED by creating a specification called Learning Information Services (LIS). Recently, IMS has been working with a select number of districts and suppliers to create a K12 profile of LIS that helps to simplify the exchange of roster data between systems.

One Roster adds enhancements to the Core LIS and removes some of the complexities. Both RESTful and SOAP services are supported.
In addition IMS has worked to identify a standard format for CSV files to help streamline this process for districts and providers that still need a CSV process.

The IMS One Roster Specification has 2 parts.

Part 1 are a set of roster **services** that allow rosters to be exchanged between an SIS and a Digital Learning Platform or an SIS and a Publisher Platform or Tool.

The roster services are defined as both RESTful and SOAP Services.

The initial set of **services** that have been defined address:

- Organizations
- Courses
- Classes
- Term and Grading period
- User information (Teacher, Student etc.)
- Grade information

Part 2 are a set of **CSV definitions** that can be used to standardize the exchange of roster information for those implementations that do not currently implement a **services** model.

The initial set of CSV definitions are for:

- ORGS.CSV
- USERS.CSV
- COURSES.CSV
- CLASSES.CSV
- TERMS.CSV
- GRADINGPERIODS.CSV
- DEMOGRAPHICS.CSV

The One Roster specification is now public draft v.1 and can be found here: http://www.imsglobal.org/lis/

Note:

Not part of the IMS One Roster Specification is a separate service IMS has been developing as part of Learning Tools Interoperability. This new service is based on LIS Membership Services and is used to provision individual classes (class rosters) between a Digital Learning Platform (e.g. LMS) and a Tool provider. This new service is currently in draft and more information can be found here: Membership Services Version 1.0