



Διασύνδεση του Universis με συστήματα σύγχρονης και ασύγχρονης εκπαίδευσης

Ομιλητές

Μπαμπουνάκης Κυριάκος Universis Technical Architect ΑΠΘ



Home

WORKSTREAMS ▾ STANDARDS ▾ CERTIFIED PRODUCTS ▾ LEARNING IMPACT ▾ LEADERSHIP ▾ 

Introduction to ONEROSTER® 1.1

What is OneRoster 1.1?

OneRoster is the standard specification for securely sharing class r typically a content application or learning information system (LMS) direct system exchanges using REST API's. With OneRoster, schools they happen.

OneRoster 1.1 is a major upgrade to the educational content, tool a

- Formative and Summative Scores [Results]
- Resources within courses and classes [Resources]
- Enrollment/membership information within courses and clas

What education scenarios are supported by the

OneRoster 1.1 is a major upgrade to the educational content, tool and platform rostering standard and consists of three key types of service. Working with:

- Formative and Summative Scores [Results]
- Resources within courses and classes [Resources]
- Enrollment/membership information within courses and classes [Enrollment]

What education scenarios are supported by the specification?

Adopting the OneRoster standard allow schools to stop the error-prone burden of manually creating unique class roster data extracts for every digital text, web publisher and platform provider and duplicate data entry of grades.

For more information see [Real-World Scenarios](#).

Who benefits?

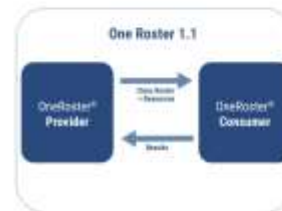
Teachers and technical administrators setting up and managing the tools and technologies in schools and districts.

What problems are being solved?

Teachers and administrators can save massive amounts of time and avoid countless issues using OneRoster. With accurate rosters, publishers prevent missing student accounts and incorrect class groups, which are major stumbling blocks to using online resources in the classroom.

What are the specification's features?

- Multiple transfer options - transmission through spreadsheet-style CSV templates or through system to system data exchange (REST API)



IMS OneRoster

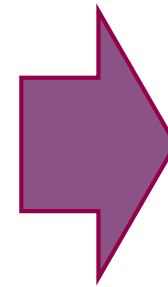
Το OneRoster είναι ένα πρωτόκολλο επικοινωνίας για την ανταλλαγή πληροφοριών μεταξύ συστημάτων που διαχειρίζονται δεδομένα φοιτητών, μαθημάτων, διδασκόντων, εγγραφών, βαθμολογιών κ.α.



Διασύνδεση



Ο Universis API Server ενεργεί ως OneRoster Provider and μεταδίδει τα δεδομένα του φοιτητολογίου σε πλατφόρμες eLearning όπως το Moodle



moodle



ONEROSTER



Ακολουθώντας το πρωτόκολλο

Οι δυνατότητες επεκτασιμότητας των δομικών στοιχείων του Universis Api Server επιβεβαιώθηκαν και σε αυτή την προσπάθεια υιοθέτησης ενός πρωτοκόλλου όπως το OneRoster με την δημιουργία του @universis/one-roster plugin.

| Academic Year | Academic Period | Status | Created by |
|---------------|-----------------|-----------|------------|
| 2021-2022 | Fall | Completed | employee |
| 2021-2022 | Fall | Completed | employee |
| 2021-2022 | Spring | Completed | employee |
| 2021-2022 | Spring | Completed | employee |
| 2021-2022 | Spring | Completed | employee |
| 2021-2022 | Spring | Completed | employee |
| 2021-2022 | Spring | Completed | employee |
| 2021-2022 | Spring | Completed | employee |



1EdTech OneRoster®: Specification

1EdTech Final Release Version 1.1

Date Issued: 29th April, 2022

Latest version: <http://www.imsglobal.org/lis/>

IPR and Distribution Notices

Recipients of this document are requested to submit, with their comments, notification of any relevant patent claims or other intellectual property rights of which they may be aware that might be infringed by any implementation of the specification set forth in this document, and to provide supporting documentation for such notification. Recipients are also requested to provide notification of any relevant patent claims or other intellectual property rights of which they may be aware that might be infringed by any implementation of the specification set forth in this document, and to provide supporting documentation for such notification.



Η τεχνολογία ενώνει

Οι υπηρεσίες πιστοποίησης χρηστών OAuth2 που ενσωματώνονται από το Universis project, ολοκλήρωσαν με ελάχιστο φόρτο την παραμετροποίηση του Moodle ως OneRoster consumer.

development

Admin User

Moodle Development

Dashboard / Site administration / Plugins / Enrolments / One Roster

One Roster

You can use an external database contains at least against fields that you choose.

Connections settings

One Roster version
enrol_one_oster | one_oster_version

OAuth version
enrol_one_oster | oauth_version

Token URL
enrol_one_oster | token_url

One Roster Root URL

One Roster Guardian
enrol_one_oster | not_mapped | Default: Not mapped

Mother or father of the user.

One Roster Relative
enrol_one_oster | not_mapped | Default: Not mapped

Guardian of the user and NOT the Mother or Father. May also be a Relative.

A relative of the user and NOT the mother or Father. May also be a Guardian.

Data synchronisation

Schools to sync:
enrol_one_oster | schools_to_sync

Karlsruhe Institute of Technology
University of Upper Austria
University of Amsterdam
University of Natural Resources and Life Sciences Vienna
University of Freiburg
University of Strasbourg
EPICUR European University
Adam Mickiewicz University in Poznań
Aristotle University of Thessaloniki

Default: None

One Roster implementation often cover a number of Organisation, Districts, and Schools. You can choose which schools you choose to synchronise.

Save changes

Συγχρονισμός

Το Moodle μέσω του OneRoster plugin συνδέεται με τον Universis Api Server και παραλαμβάνει δεδομένα φοιτητών, διδασκόντων, μαθημάτων, δηλώσεων κτλ.



The screenshot displays the Moodle Development interface. The top navigation bar includes a hamburger menu, the text 'development', and a user profile for 'Admin User'. The left sidebar contains links to Dashboard, Site home, Calendar, Private files, Content bank, and Site administration. The main content area shows the 'Moodle Development' header with a breadcrumb trail: Dashboard / Site administration / Server / Tasks / Scheduled tasks / Full sync of One Roster. Below this, the 'Full sync of One Roster' task is highlighted. A confirmation dialog box is shown, asking 'Are you sure you want to run this task "Full sync of One Roster" now? The task will run on the web server and may take some time to complete.' with 'Run now' and 'Cancel' buttons. Below the dialog, the task's execution log is visible, showing the progress of synchronizing data from the OneRoster API.



Μία πηγή δεδομένων

Οι δηλώσεις των φοιτητών
συγχρονίζονται από τα δεδομένα του
φοιτητολογίου χωρίς να χρησιμοποιηθεί
καμία άλλη εξωτερική διαδικασία που
μπορεί να επηρεάσει τα συστήματα που
εμπλέκονται

The screenshot displays a web application interface for user management. On the left, a sidebar menu includes options like 'Participants', 'Badges', 'Competencies', 'Grades', 'General', 'Dashboard', 'Site home', 'Calendar', 'Private files', 'Content bank', and 'Site administration'. The main area shows a search filter for 'Participants' with a 'Match' dropdown set to 'Any'. Below the search bar, it indicates '2 participants found'. A table lists the participants:

| First name | Surname | Email address | Roles | Groups | Last access to course | Status |
|------------|------------|-------------------------------|----------|-----------|-----------------------|--------|
| George | Barret | george.barret@students.uva.nl | Students | No groups | Never | Active |
| Ioannis | Georgiadis | teacher1@example.com | Teacher | No groups | Never | Active |

Below the table, there is a section for 'With selected users...' and an 'Enrol users' button. To the right, a sidebar shows course details for '101-2021-1' (Aristotle University of Thessaloniki), including ID number, category, groupings, groups, role assignments, enrolment methods, format, sections, and modules used.



Μία αρχή πιστοποίησης

Η ενεργοποίηση των υπηρεσιών πιστοποίησης OAuth2 στα συστήματα eLearning ολοκληρώνει την διασύνδεση και επιτρέπει στους χρήστες να αποκτήσουν πρόσβαση στα δεδομένα βάσει των στοιχείων που μεταφέρθηκαν από τις διαδικασίες συγχρονισμού.



LOGIN USING YOUR ACADEMIC ACCOUNT

LOGIN

nation

Welcom

Use your **academic** login to Student Information Services.

Student Information allows **students** to

- view courses, see registrations and grades
- apply for semester
- apply for academic

Also offers a wide range of features to **instructors**

- viewing courses, students
- managing active course examination
- uploading digital grades for course



Ερωτήσεις

Διασύνδεση του Universis με συστήματα σύγχρονης και ασύγχρονης εκπαίδευσης