Mobility Educational SoS

Configuration

1 - Configure at least two instances of Basic Educational SoS

2 - The administrative offices instances should install the `REST_API` plugin:

- The `REST_API` plugin is available in our repository: `https://github.com/edufysos/REST_API`
  - This version was modified from the original one available at `https://gitlab.com/francoisjacquet/REST_API/`
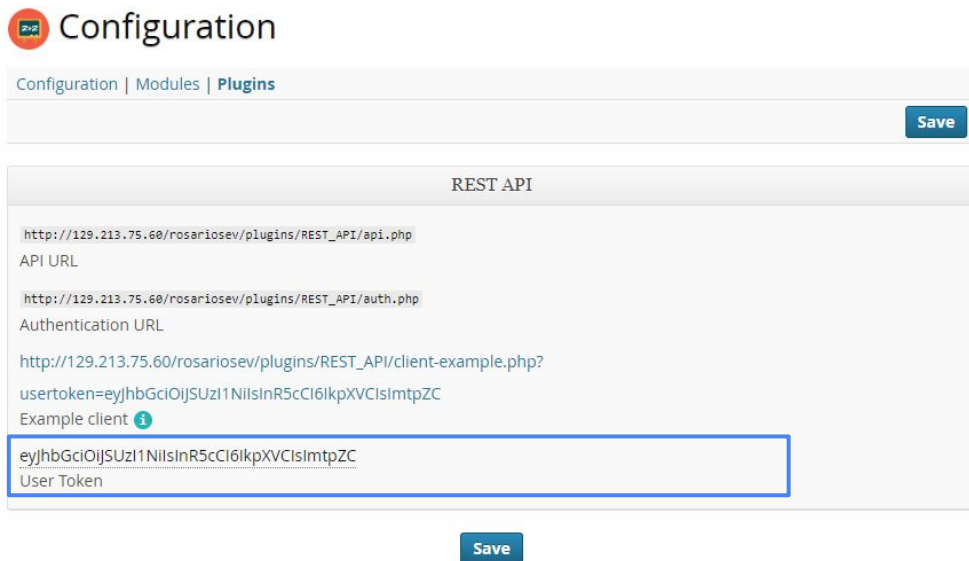 - Copy the `REST_API` folder and its contents inside the `plugins/` folder of RosarioSIS

Configuration

2 - The administrative offices instances should install the `REST_API` plugin:

- In RosarioSIS, go to School -> Configuration -> Plugins and click "Activate" the `REST_API` plugin:

Configuration

Configuration | Modules | **Plugins**

3 Plugins were found. 💾

	Title	Activated	Configuration
— Deactivate	Moodle	✔	Configuration
+ Activate	Mobility	✖	
+ Activate	REST API	✖	

Search 🔍

- Edit `config.inc.php` file, adding the following line (change the passphrase):

  - `define( 'ROSARIO_REST_API_SECRET', 'thisIsMyPassphraseChangeMe' );`

Configuration

2 - The administrative offices instances should install the `REST_API` plugin:

- To allow other partner universities connect to this API, we should generate a `User Token`:
  - Create an account at Auth0 (`https://auth0.com/`)
  - Log into your Auth0 account and create an API, informing a name (any) and the identifier.
  - The identifier should be the API endpoint URL (`<url of Partner University instance>/plugins/REST_API/client.php`)
  - Go to API `Settings -> Test`. Copy the "`access_token`"

Configuration

2 - The administrative offices instances should install the `REST_API` plugin:

- In RosarioSIS, go to School -> Configuration -> Plugins and click "`Configuration`" in the `REST_API` plugin
- Inform the "`access_token`" in the field `User Token`

Configuration

3 - The administrative offices instances should install the `Mobility` plugin:

- In RosarioSIS, go to School -> Configuration -> Plugins and click "Activate" the `Mobility` plugin:

- Then, click "Configuration", to configure `Mobility` plugin

Configuration

4- On `Mobility` plugin configuration, you should inform all partner universities:

- Click on "Add Partner University" link to add a new Partner University
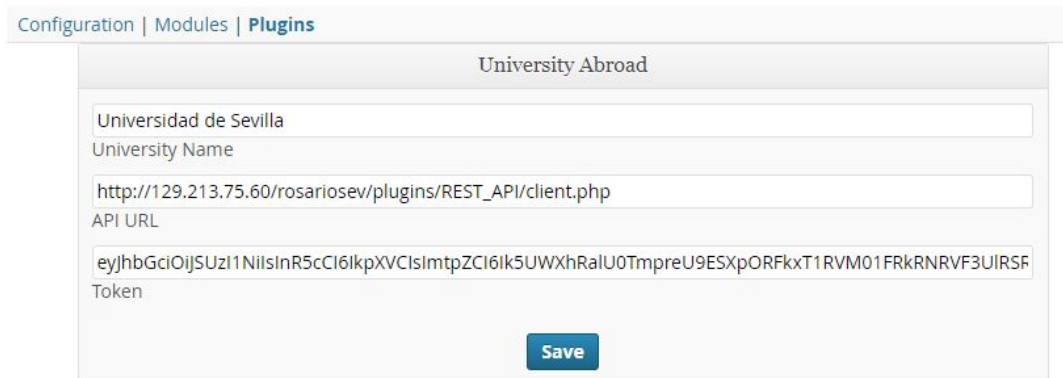
Configuration

4- On `Mobility` plugin configuration, you should register all partner universities, informing:

- The name of the partner university
- The `API URL` (`endpoint URL` to access the partner universities services)
  - The `REST_API` plugin, available at EDUFYSoS repository, offers the API `client.php.` So, you need to inform `<url of Partner University instance>/plugins/REST_API/client.php`
- The `University Token`, needed to authenticate the access to the services offered by the partner university
  - This token is created during the `REST_API` configuration of the partner university (the `User Token` field)

Configuration | Modules | **Plugins**

University Abroad

Universidad de Sevilla
University Name

http://129.213.75.60/rosariosev/plugins/REST_API/client.php
API URL

eyJhbGciOiJSUzI1NiIsInR5cCI6IkpXVCIsImtpZCI6Ik5UWXhRaIU0TmpreU9ESXpORFkxT1RVM01FRkRNRVF3RUlRSF
Token

Save

Configuration

5- The Menu "Mobility" will appear at RosarioSiS, allowing the execution of the use cases related to a student to make a study period abroad at a partner university
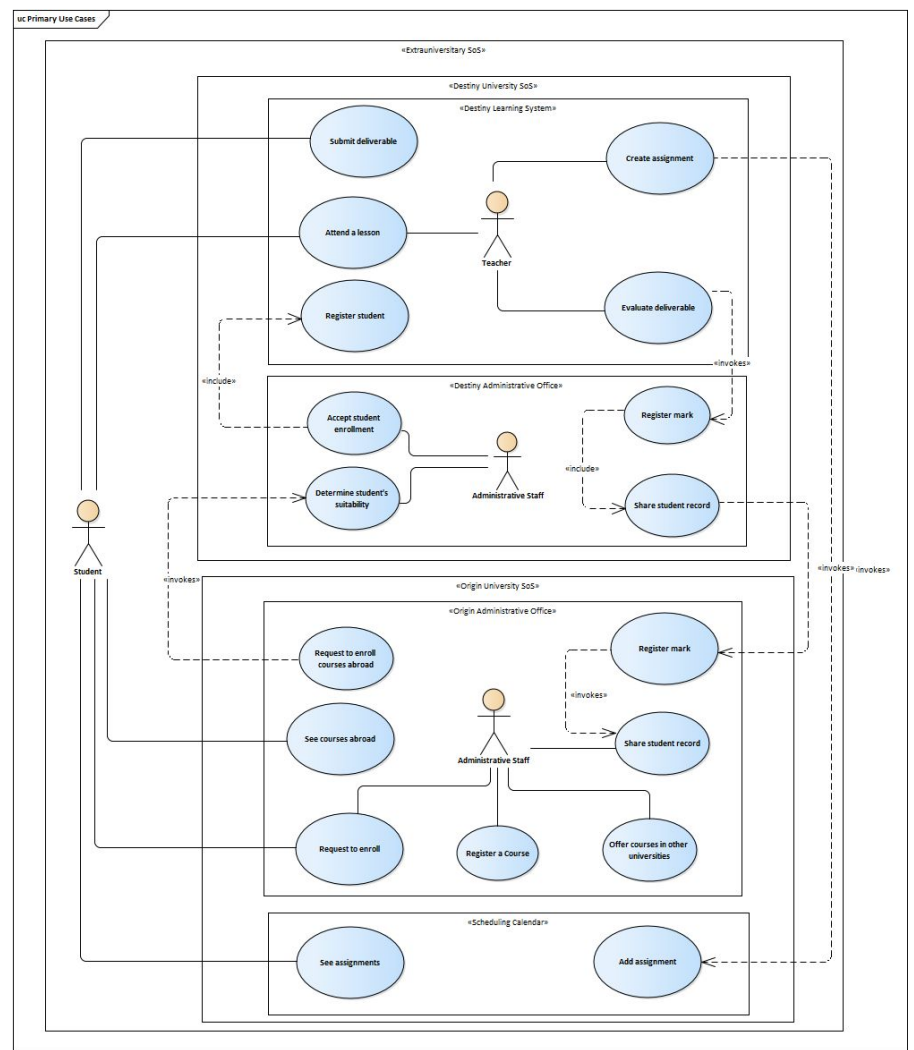
Configuration

Note:

- The figures on step 2 show a configuration example for a destiny university
- The figures on steps 3, 4 and 5, show a configuration example for an origin university

To illustrate the Mobility Educational SoS Scenario, we create two basic Educational instances representing two universities:

- Universidad de Sevilla (**destiny** university):
  - With the courses created previously in the Basic Educational SoS

- Universidade Federal Fluminense (**origin** university)

Use Case Diagram

See courses abroad

A Student from Universidade Federal Fluminense, can see the following courses:

Request to enroll

1.

129.213.75.60/rosariosis/Modules.php?modname=plugins/M...

RosarioSIS

UFF Test Student
Tuesday March 03, 2020

2019-2020 ▾
Quarter 3 ▾

School

Student Mobility Requests

Save

No Requests were found.

➕ Add a Request: University   All Universities ▾   Subject Title

Save

2.

➕ Add a Request: University | All Universities ▾ | Subject Title

All Universities
Universidad de Sevilla

3.

➕ Add a Request: University   Universidad de Sevilla ▾   Subject Title

All Subjects ▾

All Subjects
Computer Science
Math

Save

4.

➕ Add a Request: University   Universidad de Sevilla ▾   Subject Title

Computer Science ▾

Software Engineering
Algorithms
Data Structures

5.

RosarioSIS

UFF Test Student
Tuesday March 03, 2020

2019-2020 ▾
Quarter 3 ▾

School

Students

Users

Student Mobility Requests

1 Request was found. 💾

Course
Algorithms

➖

➕ Add a Request: University   All Universities ▾   Subject Title

Save

Request to enroll courses abroad

The administrative staff can see all the students requests and decide to accept or deny them:

Request to enroll courses abroad

After approves a request, the administrative office can send the request to destiny university.

1.

2.

Determine student's suitability

Then, the partner university can check all enrollment abroad requests and determine student's suitability. If it is ok, the administrative can approved the request; otherwise, deny it.

Accept student enrollment

If the administrative staff in the **destiny university accept the student enrollment**, s/he is enable to enroll the students in a course period. Once enrolled, the student is able to access all the contents in the learning environment system

1.

Accept student enrollment

If the administrative staff in the destiny university accept the student enrollment, s/he is enable to **enroll the students in a course period**. Once enrolled, the student is able to access all the contents in the learning environment system

2.

Accept student enrollment

If the administrative staff in the destiny university accept the student enrollment, s/he is enable to enroll the students in a course period. Once enrolled, **the student is able to access all the contents in the learning environment system**

3.