# Install, configure and run the software

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# **Dependencies**

- Alma Library Management System and Leganto Reading List Management System
- Ex Libris API keys with read access to Courses and Bibs
- Host machine with permission to use the Scopus API In general, it should be on the wired network of a Scopus-subscribing institution
- PHP
  - o Code tested against versions 8.0.7, 8.1.5
  - Needs http wrappers and openssl enabled
  - Needs system function enabled
  - Needs cURL support including support for https and up-to-date cacert file
- Subscription to Scopus, and developer API key
- Subscription to WoS Expanded API, and developer API key

## Installation

- Identify a suitable machine, with PHP installed and configured (see Dependencies above)
- In a suitable folder, checkout a copy of the project: <a href="https://dev.azure.com/uol-">https://dev.azure.com/uol-</a> support/Reading%20Lists/ git/Citation%20enhancement
- Configure the software as described in **Configuration** (below)
- If space is at a premium, you can delete the directory **Docs/** and its contents (including this file) without affecting software operation (although the documents may be helpful)

## Configuration

- Obtain developer API keys for the following Alma APIs from https://developers.exlibrisgroup.com/alma/apis/ - these need permission to the APIs on the production server, and only need read-only access:
  - Bibs

Courses

- Obtain a developer API key for the Scopus API from <a href="https://dev.elsevier.com/api docs.html">https://dev.elsevier.com/api docs.html</a>

1.1

- Obtain a developer API key for the WoS API Expanded from <a href="https://developer.clarivate.com/">https://developer.clarivate.com/</a>
- In your local copy of the project, copy the template file **config.template.ini** to become your configuration file **config.ini**
- Edit this new config.ini to contain your Alma, Scopus and WoS API keys e.g.

- If your institution is an Ex Libris customer outside Europe, modify the values of apiHost and apiURL in the Alma section of config.ini - see the table in Calling Alma APIs in https://developers.exlibrisgroup.com/alma/apis/
- See also 1\_2\_API\_keys.pdf

## Running

There are two ways to do run the scripts -

- Explicitly call the individual scripts step-by-step for particular modules *See* 1\_3\_the\_individual\_scripts.pdf
- Use the convenience script batch.php which runs the desired steps in sequence for a set of modules See 1\_4\_the\_batch\_script.pdf

To demonstrate the software is installed and configured correctly, run the batch script against a single module code or a list of module codes e.g.:

#### php batch.php -m PSYC3505

This might take some time, particularly if the lists are long, but once complete there should be the following files in the directory **Data/**:

- For each module, a MODULE.json file with data from Leganto, Alma, Scopus, WoS and VIAF
- For each reading list, a short report in CSV format LIST-CODE.CSV
- For each reading list, a long report in CSV format LIST-CODE\_LONG.CSV
- A single summary report Summary.CSV

For more options with running the script - for example processing a list of modules, or running the steps separately, see **1\_4\_the\_batch\_script.pdf**.