intraLibrary Plug-in for Moodle

1. Introduction

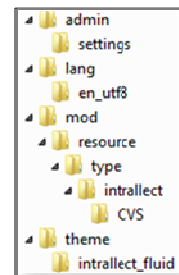The documentation for the above plug-in comprises of three main sections:

1. Installation

2. Administration

3. Usage

The source-code has been commented inline to indicate where changes have been made to core Moodle code and to describe any implemented functionality.

2. Installation

Moodle add-ons are shipped as ZIP files. Inside the compressed archive you will find a number of files which have already been copied in the correct directories. The directory structure is displayed on the right.

You should now follow section A if you have a standard Moodle with no additional plugins or modules and section B if you already have other plugins or modules.

A. If you have a standard Moodle with no additional plugins or modules you can go to the directory where Moodle has been installed and extract the ZIP file in that directory. This should copy all the files in the right places.

Once this has been done, you have to log in as administrator to your Moodle system and select the Notifications link in the Site Administration block. That's it!

B. If you have added any plugins such as MrCute or Noodle then you should extract the files to a different location and manually copy over all files that do not already exist. This should leave two files (admin\settings\misc.php and lang\en_utf8\resource.php) that should not be copied over unless it is clear that the existing files have not been modified since originally installed. The new code in both Intrallect files needs to be copied into the existing files. The changes should be as follows:

For admin\settings\misc.php add:

```
// INTRALLECT CONFIG - synergy learning 2008

$temp = new admin_settingpage('intrallect',
get_string('name', 'intrallect'));

$temp->add(new admin_setting_configtext('intrallect_url',
get_string('url', 'intrallect'),
```

```
get_string('urldescription', 'intrallect'),
'http://demonstrator.intralibrary.com/'));

$temp->add(new admin_setting_configtext('intrallect_log',
get_string('log', 'intrallect'),
get_string('logdescription', 'intrallect'), 'log.csv'));

$temp->add(new admin_setting_configtext('intrallect_name',
get_string('nameused', 'intrallect'),
get_string('namedescription', 'intrallect'),
'Intrallect'));

$temp->add(new
admin_setting_configtext('intrallect_collection_names',
get_string('collectionnames', 'intrallect'),
get_string('collectionnamesdescription', 'intrallect'),
''));

$temp->add(new
admin_setting_configtext('intrallect_collection_ids',
get_string('collectionids', 'intrallect'),
get_string('collectionidsdescription', 'intrallect'),
''));

$temp->add(new
admin_setting_configtext('intrallect_token',
get_string('token', 'intrallect'),
get_string('tokendescription', 'intrallect'), ''));

$temp->add(new
admin_setting_configtext('intrallect_records',
get_string('records', 'intrallect'),
get_string('recordsdescription', 'intrallect'), '10'));

$ADMIN->add('misc', $temp);
```

This code should be inserted before the final ' `?>` ' at the end of the file.

For lang\en_utf8\resource.php add:

```
global $CFG;

require($CFG->dirroot.'/config.php');

$name = get_field('config', 'value', 'name',
'intrallect_name');

$string['resourcetypeintrallect'] = 'Add resources from
'.$name;
```

This code should be inserted before the final ' `?>` ' at the end of the file.

Once this has been done, you have to log in as administrator to your Moodle system and select the Notifications link in the Site Administration block. That's it!

3. Administration

Once the module has been installed, its configuration screen is accessed via the *Miscellaneous → Intrallect* link in the Site Administration block. The following screen will be shown:

Each of the fields comes with a self-explanatory description. The values for the field names will be different from the ones set above.

- Repository url: This should be set to the URL of the target repository you will be searching. If you need to test against a repository please use *demonstrator.intralibrary.com*.

- Log file: This is the name of the log file to which any error messages will be logged. **NB. This file must have write access enabled. The plugin will not operate without a writable log file**.

- Repository name: This is the text that will appear to your Moodle users to refer to the target repository.

- Name of target collection: This is optional. If present then only resources within the named collection will be returned to Moodle users. If absent then all resources that are made externally searchable will be available.

- ID of target collection: Same as the Name but using an ID rather than a text name. Optional.

- Authentication token: Authentication tokens should only be used when attempting to access an intraLibrary collection which is protected by an authentication token. You will need to contact the intraLibrary administrator to obtain the authentication token.

- Records per page: The number of records to be returned per page when a search is carried out.

If you need to translate or change any of the wordings of either the above screen or in the interface the user will see, go to *Language* → *Language editing* in the System Administration menu and select 'Edit words or phrases'. Then select intrallect.php and you will be able to modify or translate any of the strings used (make sure to save any changes):

4. Usage

Once the add-on has been configured correctly, it is available to be used within Moodle courses. Below is a step-by-step guide of how to achieve this:

1. Turn on Editing to make changes to your course [Turn editing on]

2. Select 'Add resources from Demonstrator[1]' from the Resources menu in a topic of your choice.

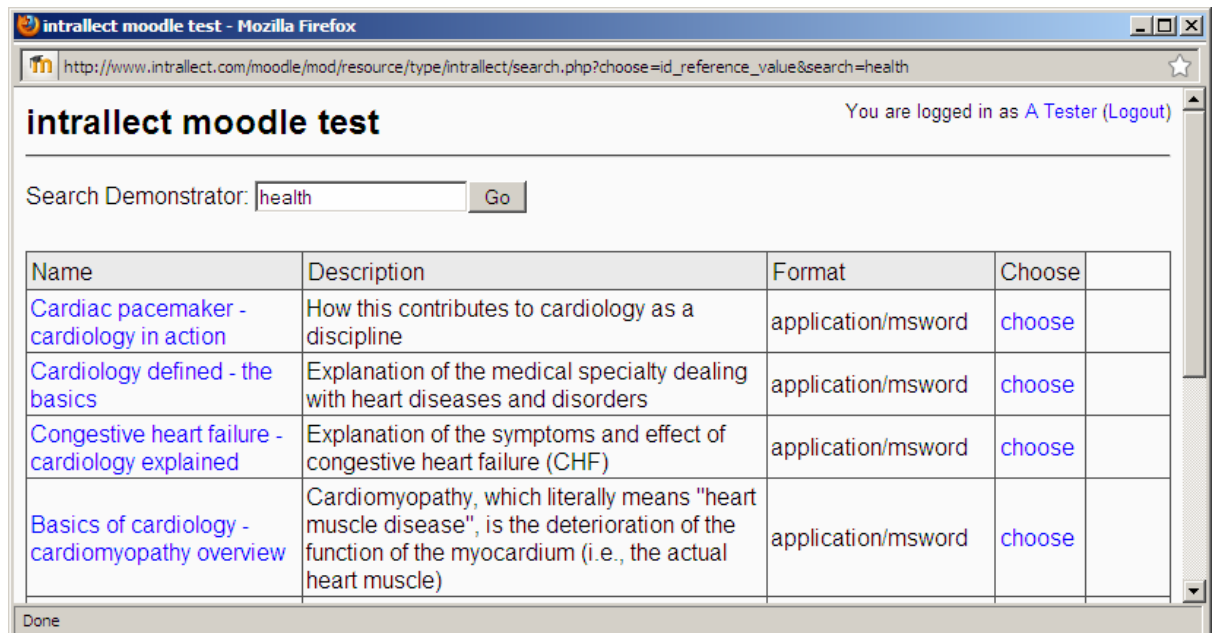   This will redirect you to the screen where the settings for the resource are specified

3. Name and select resource

   The screen is identical to the standard 'Link to a file or web site' resource, with one exception: the 'Choose or upload a file...' and 'Search for a web page...' buttons have been replaced with a single 'Search for a resource...' button.

   Once this has been selected, a search screen will appear (make sure pop-up windows are allowed by your browser).

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[1] Or in your case the text you included for "Repository Name"
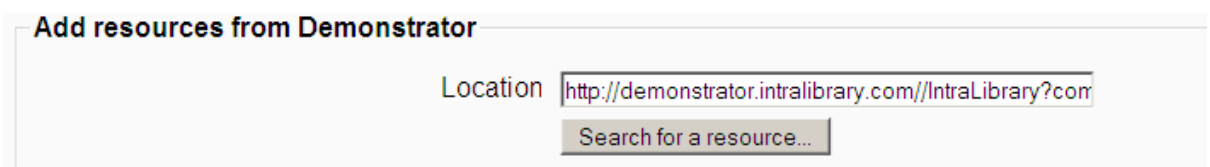
4. Search and choose

Type a search term in the search box (in our example we used 'health') and press the 'Go' button. This will then display any results that have been found in the repository. For each entry the following 3 attributes will be provided:

   a. Name of the resource

   b. Description

   c. Format (in HTML style)

To view a resource, click on the name and a new browser window will be opened. To select a resource to add to Moodle, select the 'Choose' link in the right-hand column. Once a resource has been selected, its web address (URL) will be entered in the Location field in the resource settings page, for example:

All other fields (both in standard and advanced mode) are identical to the 'Link to a file or web site' resource. Detailed information about these settings can be found at http://docs.moodle.org/en/File_or_website_link.

Save changes to add the found resource to your course.

5. Check resource

To make sure that the resource works, check that the link is displayed correctly in the course and, after selection, that the resource is shown properly. For example, in

the case of the selected 'Maritime Navigation' resource, the following page will be displayed to the user:

Hint: it is recommended to either show the resource in a new window or to make sure to 'Keep page navigation visible on the same page'.

6. Notes on the use of IMS Content Packages and SCORM Packages

When using resources from the intraLibrary repository it is not necessary to treat IMS Content Packages or SCORM packages differently from any other resources (images, documents, presentations, etc). Content package structure will normally be displayed as shown above with a navigation panel on the left. However, if content packages contain internal navigation the navigation panel can be switched off. This is a repository setting that can be applied to a repository collection by the repository administrator.