

## AICC remote launching of elfh content

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### Introduction

elfh session URL's can be made available to external organisations to launch from their own Learning Management Systems (LMS) via the AICC elearning session communication standard. This will enable the external LMS to record launching, duration, score and status of sessions held on elfh's content server.

This documentation is designed as an advisory guide on how to configure a standard Moodle LMS to launch remote AICC enabled sessions. Whilst we expect other iterations of Moodle derived platforms to be similar, we cannot test or advise on the specific Moodle instance.

Note that most sessions that are available via AICC have been developed by elfh, however some of the external content that is hosted on the elfh Hub is also available. Note that it does depend on the individual provider as to whether the external sessions can be published to the AICC standard.

Not all of the elfh programmes are available via AICC. Some of the project partners do not sanction external LMS access to their programme. This may be due to how access to the programme is controlled or down to specific reporting requirements.

For a full list of available sessions, please visit the AICC information page at the following link:  
<https://portal.e-lfh.org.uk/home/aiccreport>

The external content session AICC links are held within the 'Non e-LfH AICC content' programme.

Please also note that the LMS referring URL and IP address for each external organisation is required for allowed listing purposes as well as a signed Memorandum of Understanding (MoU). The MoU details restrictions on how the sessions will be used within the external LMS. An appendix is included to show how to set up a course on a Kallidus LMS with an elfh AICC enabled session.

For any further assistance, please contact our support team:

[Submit a ticket : elfh SupportNet Portal \(e-lfh.org.uk\)](#)

General AICC configuration

<p><b>ADMINISTRATION</b></p> <ul style="list-style-type: none"> <li>▼ Site administration <ul style="list-style-type: none"> <li>⚙ Notifications</li> <li>⚙ Registration</li> <li>⚙ Advanced features</li> <li>▶ Users</li> <li>▶ Courses</li> <li>▶ Grades</li> <li>▶ Badges</li> <li>▶ Location</li> <li>▶ Language</li> </ul> </li> <li>▼ Plugins <ul style="list-style-type: none"> <li>⚙ Install plugins</li> <li>⚙ Plugins overview</li> <li>▼ Activity modules <ul style="list-style-type: none"> <li>⚙ Manage activities</li> <li>⚙ Common activity settings <ul style="list-style-type: none"> <li>▶ Assignment</li> </ul> </li> <li>⚙ Book</li> <li>⚙ Chat</li> <li>⚙ Database</li> <li>⚙ Folder</li> <li>⚙ Forum</li> <li>⚙ Glossary</li> <li>⚙ IMS content package</li> <li>⚙ Label</li> <li>⚙ Lesson <ul style="list-style-type: none"> <li>▶ LTI</li> </ul> </li> <li>⚙ Page</li> <li>⚙ Quiz</li> <li>⚙ File</li> <li>⚙ <b>SCORM package</b></li> <li>⚙ URL</li> <li>⚙ Workshop</li> </ul> </li> <li>▶ Admin tools</li> </ul> </li> </ul>	<p>Before a session can be configured within a course, Moodle requires some general site configuration changes to enable the option on the course for the external AICC URL.</p> <p>To navigate to this area, select Site Administration, Plugins, Activity Modules followed by SCORM package</p> <p>Within this option is an 'Admin Settings' section</p> <p>The following settings are applicable for remote launching of AICC enabled sessions:</p> <p>Enable Direct AICC URL  Enable external ACC HACP  AICC HACP Timeout - 60  AICC HACP Session data - 1 (default)  AICC pass numeric user id Yes (default)</p> <p>The values set are shown in the screen shot below</p>
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**Admin settings**

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**Enable SCORM 1.2 standard mode**  Default: Yes  
scorm | scorm12standard  
Disabling this setting allows Moodle to store more data than the SCORM 1.2 specification allows. If your SCORM packages allow users to enter large amount of text or if your package tries to store large amounts of data in the suspend\_data field disable this.

**Enable external package type**  Default: No  
scorm | allowtypeexternal

**Enable downloaded package type**  Default: No  
scorm | allowtypelocalsync

**Enable direct AICC URL**  Default: No  
scorm | allowtypeexternalaicc  
If enabled this allows a direct url to a simple AICC package

**Enable external AICC HACP**  Default: No  
scorm | allowaicchacp  
If enabled this allows AICC HACP external communication without requiring user login for post requests from the external AICC package

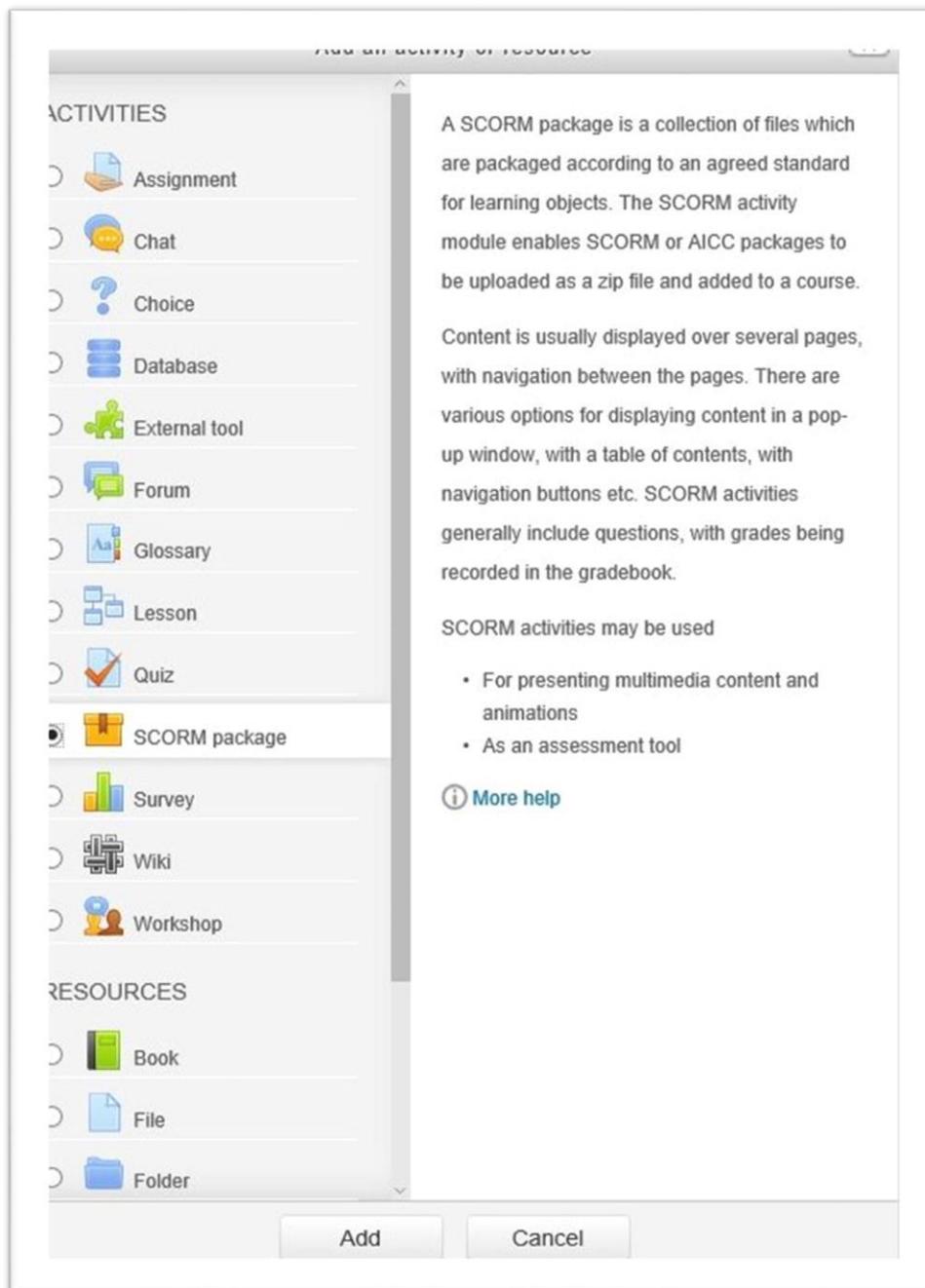
**AICC HACP timeout**  Default: 30  
scorm | aicchactimeout  
Length of time in minutes that an external AICC HACP session can remain open

**AICC HACP session data**  Default: 1  
scorm | aicchacpkeepsessiondata  
Length of time in days to keep the external AICC HACP session data (a high setting will fill up the table with old data but may be useful when debugging)

**AICC pass numeric user id**  Default: Yes  
scorm | aiccuserid  
The AICC standard for usernames is very restrictive compared with Moodle, and allows for alphanumeric characters, dash and underscore only. Periods, spaces and the @ symbol are not permitted. If enabled, user ID numbers are passed to the AICC package instead of usernames.

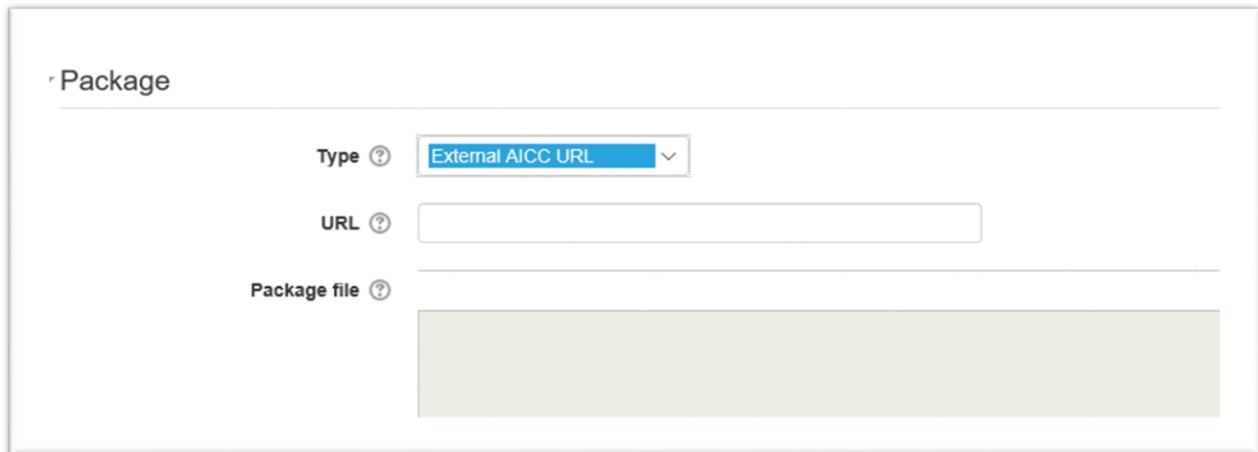
## Session (activity/resource) configuration

To add an AICC enabled session URL within a course on Moodle, click on 'Add an Activity or Resource' and select the 'SCORM Package' option



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If the General AICC configuration is correct, the Package Type on the drop-down list should now display the 'External AICC URL' option.

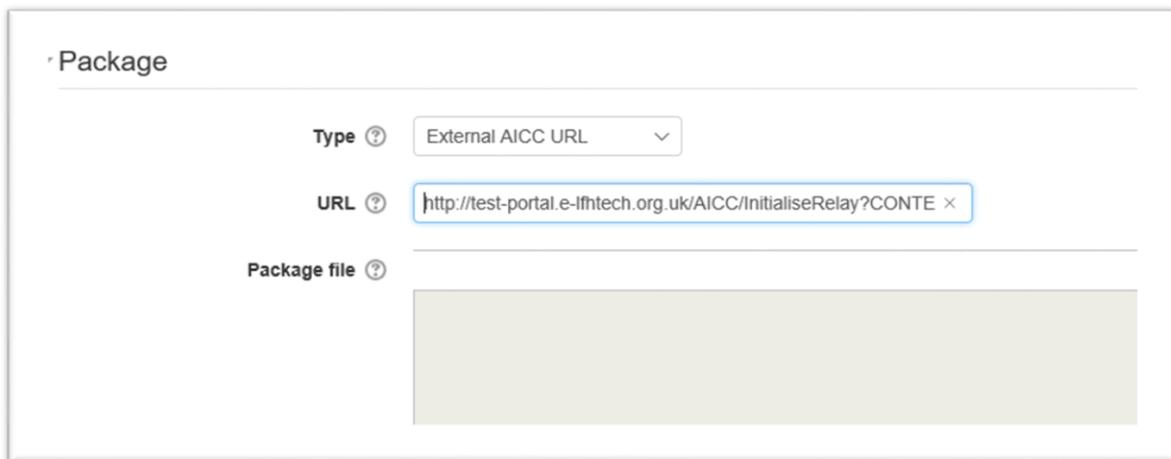


The screenshot shows a form titled "Package" with three main sections. The first section, "Type", has a dropdown menu currently displaying "External AICC URL". The second section, "URL", has an empty text input field. The third section, "Package file", has a large, empty, light-grey rectangular area.

Enter the elfh Supplied URL in the corresponding URL field:

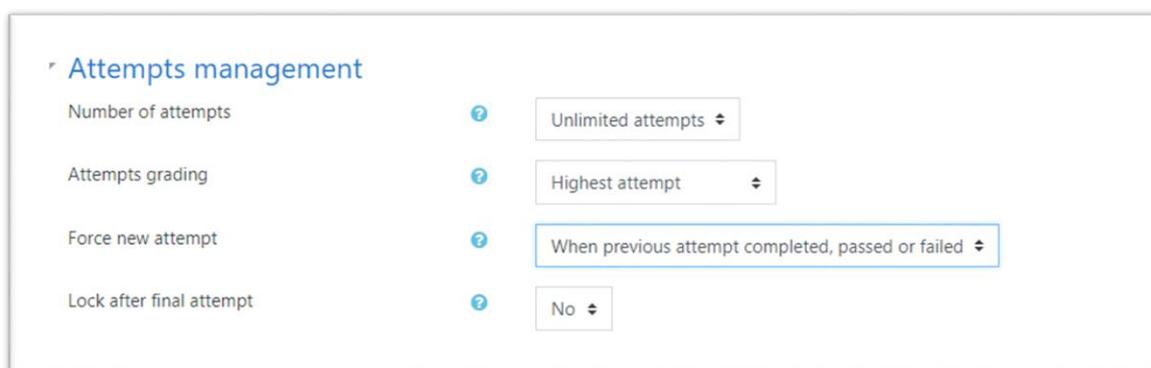
For example:

[https://portal.e-lfh.org.uk/AICC/InitialiseRelay?CONTENT\\_URL=/AICC\\_Content/SMT\\_01\\_007](https://portal.e-lfh.org.uk/AICC/InitialiseRelay?CONTENT_URL=/AICC_Content/SMT_01_007)



This screenshot is identical to the previous one, but the "URL" field is now populated with the text "http://test-portal.e-lfh.org.uk/AICC/InitialiseRelay?CONTE". The text is truncated and ends with "CONTE" and a small "x" icon, indicating it is a long URL.

Change the Attempts management setting, "Force new attempt" to "When previous attempt completed, passed or failed".



The screenshot shows the "Attempts management" section of a form. It contains four rows, each with a label on the left and a dropdown menu on the right. The first row is "Number of attempts" with "Unlimited attempts". The second row is "Attempts grading" with "Highest attempt". The third row is "Force new attempt" with "When previous attempt completed, passed or failed". The fourth row is "Lock after final attempt" with "No".

Click on 'Save and return to Course'. Note that Moodle may not allow saving of the URL setting if the URL cannot be reached.

## Appendix 1 – Kallidus set up

From discussions with Kallidus the following is required to set up an AICC link to an elfh Session

1. Create a new lesson in Kallidus
2. Set the type to AICC
3. Under ‘elearning set up’ set the URL and parameters to match those provided by elfh for each course. Sample below for the “Safeguarding for Adults” course

The screenshot shows the 'E-Learning set-up' configuration page for an activity titled 'Safeguarding AICC Test'. The page is divided into several sections:

- Activity Administration:** A sidebar menu with options: Details, Custom fields, **E-Learning set-up** (selected), Forum, Domain, Course, Notification, Continuous requirement, Element, CPD programmes, Refresher training, Results, Evaluation form, Document, Notes, Email templates, and Send email.
- Activity Header:** Shows 'Return to Activity list', 'Activity > Safeguarding AICC Test > E-Learning set-up', and the title 'Safeguarding AICC Test' with a subtitle: 'This activity was created on 21 March 2016. The details were last modified on 06 April 2016.'
- Set-up:**
  - Tracking type:** A dropdown menu set to 'AICC'.
  - URL:** A text input field containing 'https://portal.e-lfh.org.uk/AICC/InitialiseRelay'.
  - Parameters:** A text input field containing 'CONTENT\_URL=/AICC/content/SGA\_01\_01/d/ELFH\_Session/SGA\_01\_01/session.html'.
  - Version:** An empty text input field.
  - Mastery score:** An empty text input field.
- Options:**
  - Show the browser window full screen
  - Show the window in kiosk mode (only available with Microsoft Internet Explorer)  
Ensure that the activity provides an exit function when using kiosk mode
  - Show the browser window resized to:
    - Left:  Width:
    - Top:  Height:

As the communication is over http, there are no ports, security or firewall issues.