Alexander Street LTI App Configuration on Moodle

Test Environment
A Moodle test environment can be created using an Amazon AMI on the Amazon Marketplace. This AMI is maintained by Bitnami. This is the environment that Alexander Street used to test our LTI apps on Moodle and prepare this documentation.

Normally to follow these instructions, you would log in as an administrator to your institution’s installation of Moodle.

Installation of the Alexander Street LTI Applications
Moodle allows LTI installation using the configuration XML provided for each of our LTI apps. It does not however have a feature for discovering the configuration through EduAppCenter, so you have to use the URL for the LTI configuration file, as shown below.

Alexander Street Video: https://video.alexanderstreet.com/lti-configuration.xml

Alexander Street Music and Text: https://search.alexanderstreet.com/lti/config.xml

Go to Site Administration → Plugins. There is a menu of links on this page; choose Activity Modules → External Tools → Manage Tools
Paste the URL of the configuration into the form. Alternatively, you can configure the tool manually, for example if you want different settings than provided by the default configuration XML.

The LTI app requires an institution-specific consumer key and secret. Contact ProQuest customer service to obtain your consumer key and secret.

After the tool is installed, you can change some of the settings using the gear icon.
Tools

Alexander Street Video

Search and embed Alexander Street videos. A new icon will show up in your course rich text editor letting you search

This tool is being used 1 times
Testing

Installing Embeds or Links into Course content

Create a Course with Site Admin → Courses → Add a new course

From Site Home, select the course.

Click the gear icon in the top right to Turn editing on
Rows in the course structure will have links for **Add an activity or resource**

These links popup the following menu, on which you will find **External Tool** as an option. Select this and press **Add** at the bottom.
The external tool activity module enables students to interact with learning resources and activities on other websites. For example, an external tool could provide access to a new activity type or learning materials from a publisher.

To create an external tool activity, a tool provider which supports LTI (Learning Tools Interoperability) is required. A teacher can create an external tool activity or make use of a tool configured by the site administrator.

External tool activities differ from URL resources in a few ways:

- External tools are context aware i.e. they have access to information about the user who launched the tool, such as institution, course and name
- External tools support reading, updating, and deleting grades associated with the activity instance
- External tool configurations create a trust relationship between your site and the tool provider, allowing secure communication between them
A page like the following will open, and you can select any of the **Preconfigured tools**.

Select Alexander Street Video and the **Select Content** button becomes enabled.
Pressing **Select Content** will open the Search Tool and you can search for and select content to embed or link to.
Copying an LTI Link from video.alexanderstreet.com into the LMS Manually

Steps for the Administrator

In order for this to work, the administrator needs to configure a tool that will match this link. This only needs to be done once. In Manage External Tools, add the following configuration manually
I called the tool, Alexander Street Links. I select "Do not show; use only when a matching tool URL is provided"; this will prevent this configuration from appearing in places where a full Launch URL is required. I add my consumer_key, secret, secure icon URL and a description. The consumer key and secret are applicable to the whole institution and are provided by ProQuest customer service.

After saving this configuration, users can now insert LTI links into a page for URLs they've obtained from the site.

**Steps for the Instructor**
In my example, I copied the URL from Our Blue Planet using the Share feature of the player page.


Now I go to a topic in a course with the Edit mode turned on, where I can 'Add an activity or a resource'. I select External Tool from the menu of options.

For the activity name, I enter Our Blue Planet.

I click 'Show more' to make the description available and paste:

Narrated by David Attenborough, Produced by Will Ridgeon, Orla Doherty, Produced by British Broadcasting Corporation, Tencent, Westdeutscher Rundfunk, France Télévisions, CCTV-9, In Blue Planet II, (London, England: BBC Worldwide, 2017), 50 minutes

For Preconfigured tool, I select "Automatic, based on URL"

Into Secure Tool URL, I enter the video's URL


After entering this, Moodle indicates that this URL has matched a tool provider. So I don't need to provide a consumer_key and secret, this is already configured into the matched tool.
Now you can save this activity, and it will appear under the topic.

<table>
<thead>
<tr>
<th>Topic 1</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image" alt="Our Blue Planet" /></td>
</tr>
</tbody>
</table>

Narrated by David Attenborough, Produced by Will Rideon, Orla Doherty, Produced by British Broadcasting Corporation, Tencent, Westdeutscher Rundfunk, France Télévisions, CCTV-9, In Blue Planet II, (London, England: BBC Worldwide, 2017), 50 minutes
BitNami documentation (about the AMI)
https://docs.bitnami.com/aws/apps/moodle/

IMS Global document on ContentItemSelectionRequest
http://www.imsglobal.org/specs/lticiv1p0/specification-3

Moodle Documentation
https://docs.moodle.org/36/en/Managing_a_Moodle_site

Moodle Documentation on External Tool
https://docs.moodle.org/36/en/External_tool

**Moodle Support**

Dev Pages (on Help)
https://docs.moodle.org/dev/Main_Page

Issue Tracker
https://tracker.moodle.org/secure/Dashboard.jspa