Alexander Street LTI App Configuration on BlackBoard

About BlackBoard Versions

BlackBoard Learn is a hosted version of BlackBoard. There is also separate documentation for a SaaS version of BlackBoard. And third there is BlackBoard Ultra which is an updated user experience of BlackBoard. The administration of the various versions is different although the functionality is largely the same. These instructions are for the hosted version of BlackBoard Learn because that is what the AWS Marketplace AMI gives you. The System Administration panel of the Sandbox offers an Enable button for the Ultra experience. I have not tested this.

Test Environment

BlackBoard makes an Amazon AWS AMI available called BlackBoard Learn for REST and LTI Developers on the AWS Marketplace. This is the environment Alexander Street used to test our LTI application and develop these instructions. We used the May 2019 version. Depending on the version of BlackBoard used by your institution, your steps and screens may be different.

Installing Alexander Street LTI Applications

BlackBoard does not use configuration XML. All LTI App installations happen through forms that the administrator submits.

On the System Administration Panel, there is an Integrations section with a link to LTI Tool Providers. (The SaaS version of administration is different)
...initially this contains a pre-installed tool.

Go to the tab **Manage Global Properties** and click **Yes** for **Enabled in Courses**.
Back at the LTI Tool Providers list, Register Provider Domain
Enter 'video.alexanderstreet.com' for the **Provider Domain**. Add your consumer_key to **Tool Provider Key**. Add your secret to **Tool Provider Secret**. The consumer key and secret is institution-specific and can be provided by ProQuest customer service.

Select **Set globally**. Under the **Institution Policies** at the bottom of the form, we do not need any **User Data** or **User Fields**. Press **Submit** to save.

Repeat this for Provider Domain 'search.alexanderstreet.com' if you are also going to use LTI for that site.

Once this is saved, your domain(s) will appear on the LTI Providers like. Proceed with the next section on Manage Placements.
Manage Placements

From the Tool Provider list, hover over any of the domain names and a context menu will appear including an option for **Manage Placements**.

Select **Manage Placements** and then on the next page, **Create Placement**.
Label: Alexander Street Video

This is the label that will show up in the course.

Description:
Search and embed Alexander Street videos. A new icon will show up in your course rich text editor letting you search Alexander Street video and click to embed selected content into your course material. The embedded content will automatically authorize your course users using your institution’s consumer key and shared secret.

Handle
This uniquely identifies the placement.

Availability
- Yes
- No
Make placement available to course builders and instructors

Type
- Course tool
  - Student
  - Non-student
- Course content tool
  - Supports deep linking
  - Allows grading
- System tool
- Administrator tool
Placement Type determines where this tool appears in Blackboard Learn. The tool can be placed in a course or made available for specific users. Learn more about placement types.

Launch in New Window

Icon
Upload a custom icon that will be shown in the course. The size of the icon should be 50 by 50 pixels.

Current Icon

TOOL PROVIDER INFORMATION

Enter the Tool Provider Information. The Tool Provider URL must be located on one of the configured host names.

Tool Provider URL
https://video.alexanderstreet.com/fi/search-widget
This field may change when B2 upgrades occur.

Tool Provider Key
768

Tool Provider Secret
153

Tool Provider Custom Parameters
Enter any custom parameters required by the tool provider. Parameters must each be on their own line and be entered in "name=value" format.

Click Submit to proceed.
Set the **Handle** to

For the video site: **as-video**

For the search site: **as-search**

*If you create multiple placements, each will need a unique handle. Adjust as needed, they are not visible to the user.*

Set **Availability** to Yes

Select **Course content tool & Supports deep linking**

If desired, select **Launch in New Window**.

For the **Icon**, you need to upload a 50x50 icon like the one below. (Right-click to Save Image to your computer so you can upload it to Blackboard; BlackBoard does not let you specify a logo URL.)

For **Tool Provider URL**, use...

For the video site:  [https://video.alexanderstreet.com/lti/search-widget](https://video.alexanderstreet.com/lti/search-widget)

For the search site:  [https://search.alexanderstreet.com/lti/search](https://search.alexanderstreet.com/lti/search)

Enter your Consumer Key and Secret into **Tool Provider Key** and **Tool Provider Secret**

Press **Submit**

**Testing**

**Adding Embeds to a Course Page**

From the **Course → Content** section, select **Build Content**. Alexander Street Video will be on the menu
The LTI Search widget will open, possibly in another tab if that feature was selected. Perform your search and select an item to embed.
Copying an LTI Link from video.alexanderstreet.com into the LMS Manually

In Course → Content → Build Content, you can add a web link. This gives you the option of indicating that it is a link to an LTI resource.
In this example I typed in

Name: Our Blue Planet

I have pasted this URL into the form...


And this description:


Scrolling lower in the form you have the option of opening in a new Window Yes/No.

..and pressed Submit.

The resulting content entry looks like this:

![Our Blue Planet Preview](https://video.alexanderstreet.com/embed/our-blue-planet-2?context=channel:blue-planet-ii)


BlackBoard Documentation
BlackBoard documentation on the AWS AMI

https://community.blackboard.com/docs/DOC-4242-using-the-blackboard-learn-ami-for-rest-and-iti-development

BlackBoard Learn (Hosted)

https://help.blackboard.com/Learn/Administrator/Hosting

BlackBoard Learn (SaaS)

https://help.blackboard.com/Learn/Administrator/SaaS

BlackBoard Ultra

https://help.blackboard.com/Learn/Administrator/SaaS/User_Interface_Options/Ultra_Experience

**BlackBoard Support**

Behind the BlackBoard

http://support.blackboard.com/

Developer Portal

https://developer.blackboard.com/