

# Alexander Street LTI App Configuration on BlackBoard

About BlackBoard Versions .....	1
Test Environment.....	1
Installing Alexander Street LTI Applications.....	1
Manage Placements .....	5
Testing.....	7
Adding Embeds to a Course Page.....	7
Copying an LTI Link from video.alexanderstreet.com into the LMS Manually .....	9
BlackBoard Documentation.....	10
BlackBoard Support.....	11

## 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

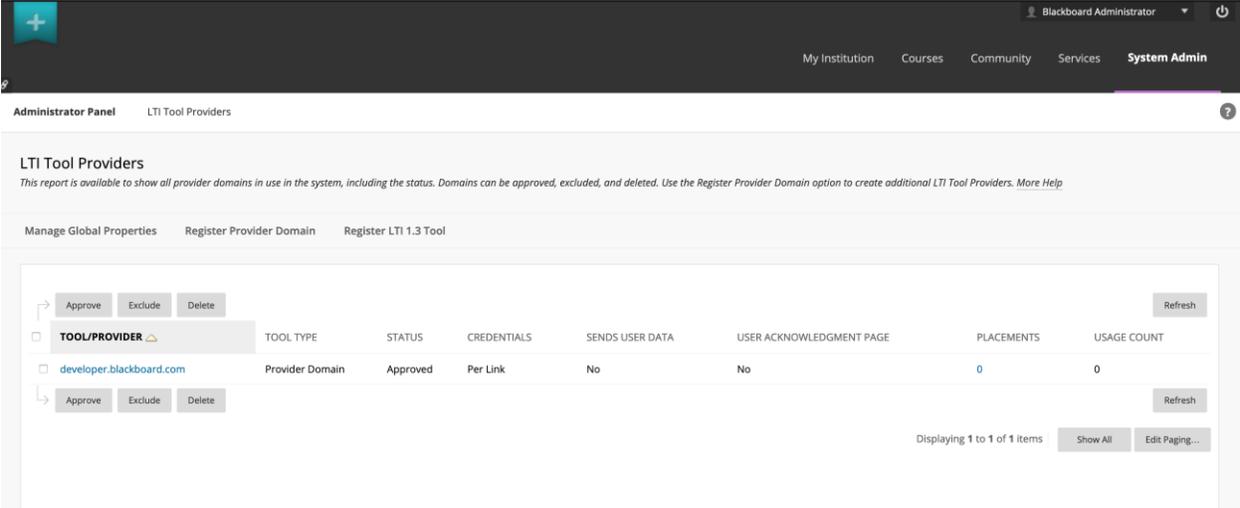
BlackBoard does not use configuration XML. All LTI App installations happen through forms that the administrator submits.

On the System Administration Panel, there is an Integrations section with a link to LTI Tool Providers. (The SaaS version of administration is different)

# Integrations

- Data Integration
- Authentication
- Building Blocks
- Web Services
- LTI Tool Providers
- Proctoring Services
- REST API Integrations
- Cross-Origin Resource Sharing

...initially this contains a pre-installed tool.



Go to the tab **Manage Global Properties** and click **Yes** for **Enabled in Courses**.

Blackboard Administrator

My Institution Courses Community Services **System Admin**

Administrator Panel LTI Tool Providers Manage Global Properties

### Manage Global Properties

Manage the Global Properties for all LTI Providers in use in the system. Determine the feature availability, and default configuration. Selecting the option to enable the feature will enable all approved LTI Tool Providers. [More Help](#)

#### FEATURE AVAILABILITY

Tool links can be enabled in one of three modes. **Allow any links** enables users building courses to add links to any LTI tool providers they wish. **Allow any links with approval** allows users to add the links, but they will not function until the provider has been approved. **Require approval** will not let users add links unless the provider has already been approved. Enabling the grade option will allow tool providers which you have registered, and which have a gradable placement, to post a grade.

Enabled in Courses  Yes  No

Enabled in Organizations  Yes  No

Creation of Tool Provider Links

- Allow links to any tool provider that isn't explicitly excluded.
- Allow links to any tool provider, but require approval for each new provider.
- Allow only links to approved tool providers.

Allow configured tool providers to post grades  Yes  No

Click Submit to proceed. Click Cancel to go back.

Cancel Submit

Back at the LTI Tool Providers list, **Register Provider Domain**

\* Indicates a required field.

### PROVIDER DOMAIN STATUS

Set the status of the provider domain. You can also provide a list of additional hostnames to share this configuration if needed.

\* Provider Domain

Provider Domain Status

- Approved  
 Excluded

Secondary Hostnames

Enter one hostname per line.

### DEFAULT CONFIGURATION

LTI Tool Providers can request configuration per link, or can provide key and shared secret information for site-wide configuration.

Default Configuration

- Set separately for each link  
 Set globally

\* Tool Provider Key

\* Tool Provider Secret

Tool Provider Custom Parameters

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.

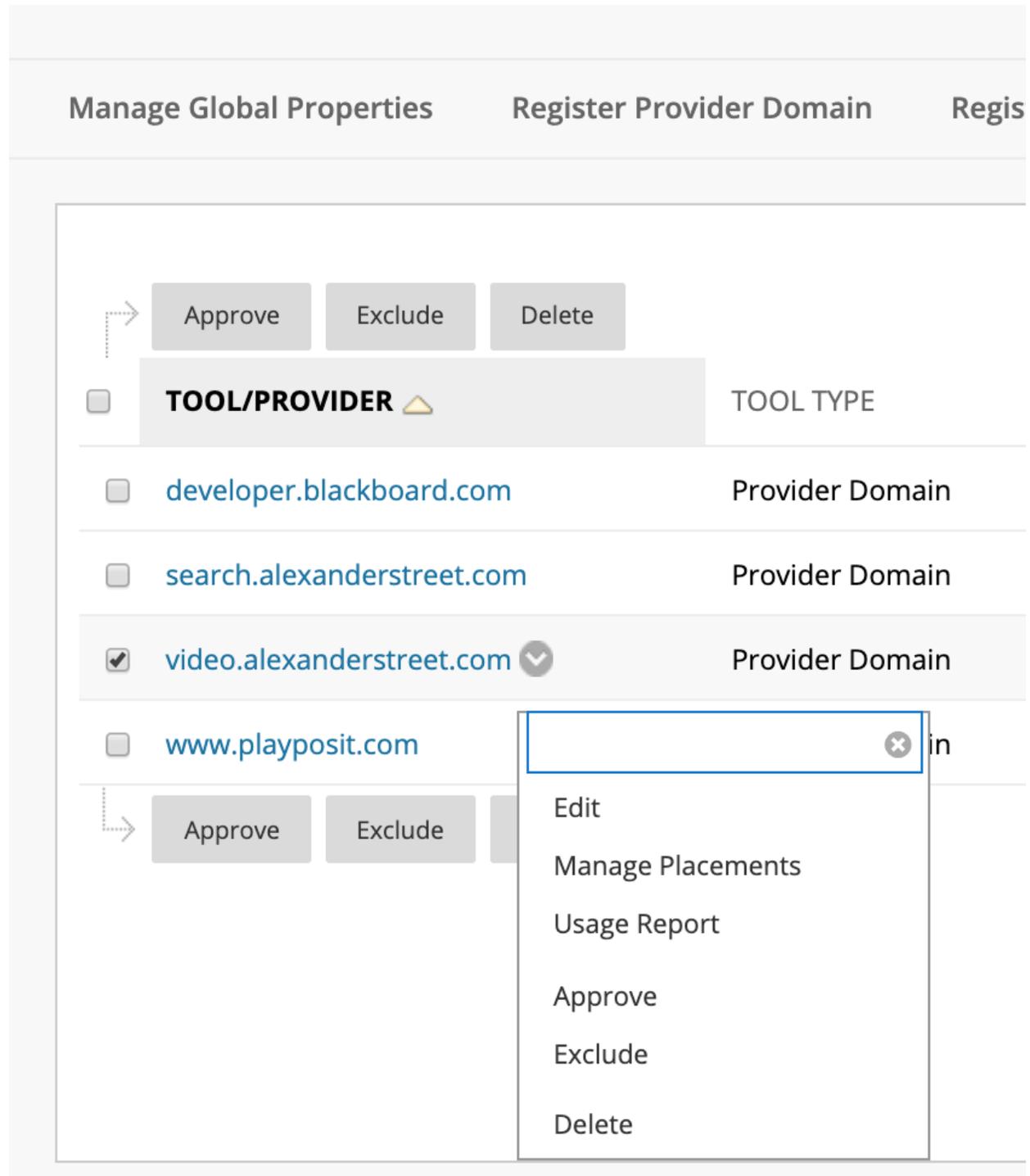
Select **Set globally**. Under the **Institution Policies** at the bottom of the form, we do not need any **User Data** or **User Fields**. Press **Submit** to save.

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**.



The screenshot displays a web interface with three tabs: "Manage Global Properties", "Register Provider Domain", and "Regis". Below the tabs is a table of tool providers. The table has two columns: "TOOL/PROVIDER" and "TOOL TYPE". The first row is a header with a checkbox, a dropdown arrow, and a yellow triangle icon. The second row is "developer.blackboard.com" with a checkbox and "Provider Domain". The third row is "search.alexanderstreet.com" with a checkbox and "Provider Domain". The fourth row is "video.alexanderstreet.com" with a checked checkbox, a dropdown arrow, and "Provider Domain". The fifth row is "www.playposit.com" with a checkbox and "in". A context menu is open over the "www.playposit.com" row, showing options: Edit, Manage Placements, Usage Report, Approve, Exclude, and Delete. Above the table are buttons for "Approve", "Exclude", and "Delete". Below the table are buttons for "Approve" and "Exclude".

<input type="checkbox"/> TOOL/PROVIDER 	TOOL TYPE
<input type="checkbox"/> developer.blackboard.com	Provider Domain
<input type="checkbox"/> search.alexanderstreet.com	Provider Domain
<input checked="" type="checkbox"/> video.alexanderstreet.com 	Provider Domain
<input type="checkbox"/> www.playposit.com	in

Select **Manage Placements** and then on the next page, **Create Placement**.

\* Label

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

Description

For the toolbar, press ALT+F10 (PC) or ALT+FN+F10 (Mac).



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.

Character count: 327

\* 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

[logo-50x50.jpg](#)

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

Current Icon



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**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

*This field may change when B2 upgrades occur.*

\* Tool Provider Key

\* Tool Provider Secret

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.

## Label the Placement Alexander Street Video

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>

For the search site: <https://search.alexanderstreet.com/lti/search>

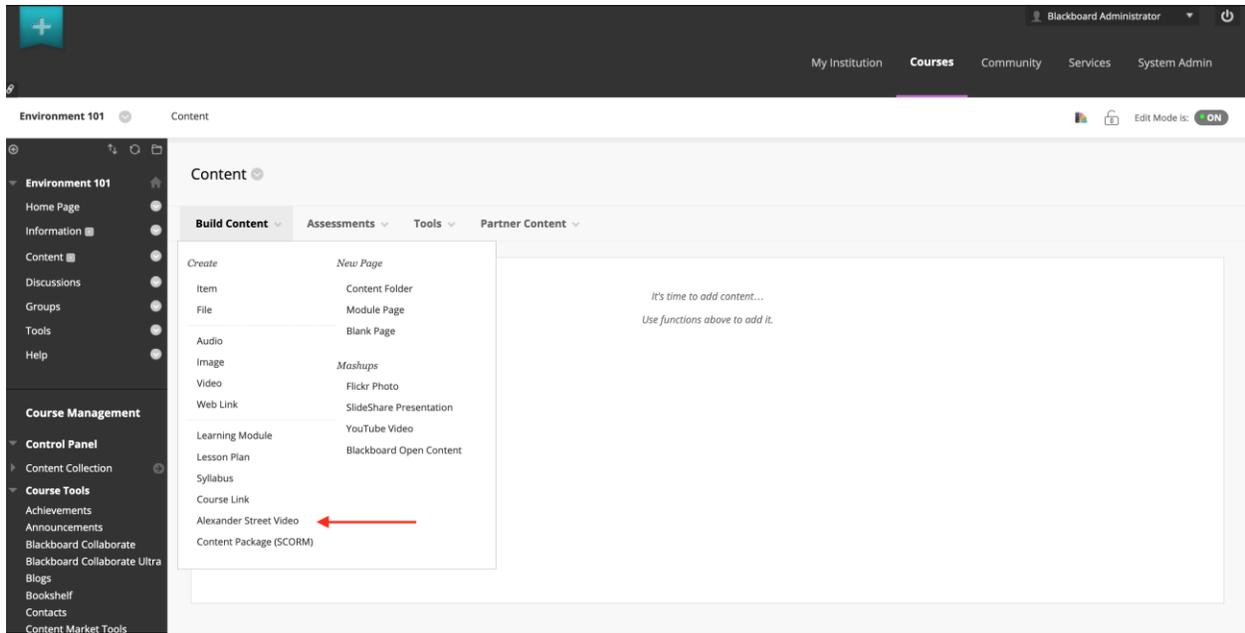
Enter your Consumer Key and Secret into **Tool Provider Key** and **Tool Provider Secret**

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.

# Alexander Street Video ×

🔍

54167 videos for your search for *Our Blue Planet*

**Filter your results** Sort by **Relevance** ▾





## Our Blue Planet

Our Blue Planet, 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

[Embed Video ▾](#) [View Video](#)



## The Blue Planet

The Blue Planet, Narrated by David Attenborough, Produced by Alastair Fothergill, Produced by Discovery Channel, British Broadcasting Corporation, In Blue Planet, (London, England: BBC Worldwide, 2001) , 49 minutes

[Embed Video ▾](#) [View Video](#)

## 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...

<https://video.alexanderstreet.com/embed/our-blue-planet-2?context=channel:blue-planet-ii>

And this description:

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

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:

# 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/>