

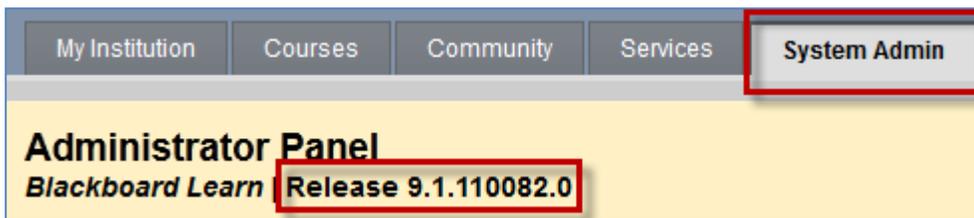
How to Configure Blackboard for LTI Integration with ALEKS

This document describes in more detail how to handle “Part 2: How to Configure a School’s LMS for LTI Integration with ALEKS” in the document “LTI Integration with ALEKS” for **Blackboard** users. The intended audience is Blackboard administrators and Blackboard instructors.

Administrators: Configuring Blackboard for LTI Integration with ALEKS

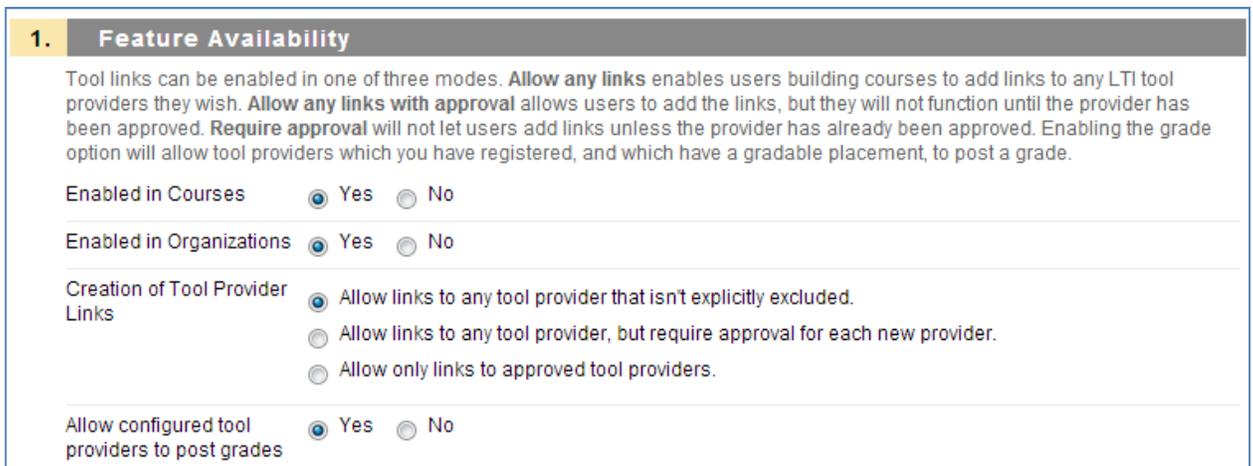
After you’ve obtained the LTI Parameters in ALEKS, log in as an administrator in Blackboard.

1. Click on the “System Admin” tab. Make sure the Release version for your Blackboard instance is at least 9.1.8.



2. Click on the “Building Blocks” link in the Building Blocks section. Then click on the “LTI Tool Providers” link.
3. Click on the “Manage Global Properties” button.

Here are the recommended settings for the “Feature Availability” section:



Make sure to select the “Allow configured tool providers to post grades” option to allow instructors to configure gradebook integration between ALEKS and Blackboard.

Here are the recommended settings for the “Default Configuration” section:

2. Default Configuration

LTI Tool Providers can request certain information from Learn with each click-through. Set the default information that will be sent from your institution. These settings can be overridden for each tool provider.

Send User Data Never
 Send user data only over SSL
 Send user data over any connection

User Fields to Send Role in Course
 Name
 Email Address

Send Context Identifiers Primary Key Batch UID
As
Sending the Primary Key guarantees that no identifying information about the course or user is exchanged (only an opaque number unique to this BbLearn installation). Sending the Batch UID guarantees that even if the course or user is deleted and re-added, the same identifier is sent. However, the Batch UID may contain personal information such as a student ID number.

Show User Acknowledgment Message Yes No

ALEKS is FERPA compliant. Make sure to check the boxes for “Role in Course”, “Name” and (optionally) “Email Address”.

Click on the “Submit” button at the bottom of the page to save your changes.

4. Click on the “Register Provider Domain” button.

Here are the recommended settings for the “Provider Domain Status” section:

1. 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.

Here are the recommended settings for the “Default Configuration” section. The “Tool Provider Key” and the confidential “Tool Provider Secret” fields will be obtained from the LMS Integration page in the ALEKS Instructor Module.

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

Here are the recommended settings for the “Institution Policies” section:

3. Institution Policies

Choose whether you want to override the institution policies for this specific tool provider domain.

Send User Data Never
 Send user data only over SSL
 Send user data over any connection

User Fields to Send Role in Course
 Name
 Email Address

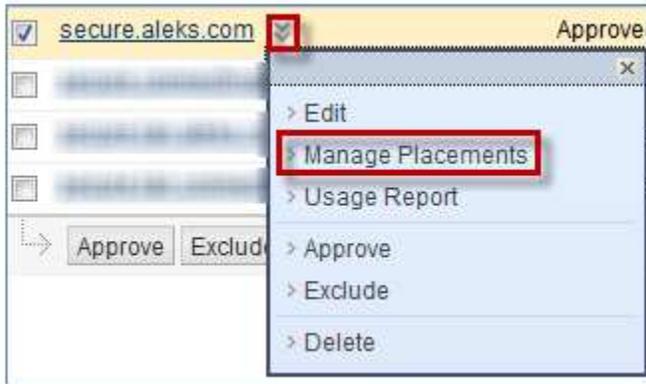
Send Context Identifiers Primary Key Batch UID
As
Sending the Primary Key guarantees that no identifying information about the course or user is exchanged (only an opaque number unique to this BbLearn installation). Sending the Batch UID guarantees that even if the course or user is deleted and re-added, the same identifier is sent. However, the Batch UID may contain personal information such as a student ID number.

Show User Acknowledgment Message Yes No

Again, ALEKS is FERPA compliant. Make sure to check the boxes for “Role in Course”, “Name” and (optionally) “Email Address”.

Click on the “Submit” button at the bottom of the page to save your changes.

- On the “LTI Tool Providers” page, click on the down arrow icon to the right of “secure.aleks.com” and select “Manage Placements”.



- Click on the “Create Placement” button. Here are the recommended settings for the “Placement Information” section:

1. Placement Information

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

Description

RBC

ALEKS is an artificially intelligent assessment and learning system which uses adaptive questioning to quickly and accurately determine exactly what a student knows and doesn't know in a course.

Character count: 194

Handle
This uniquely identifies the placement.

Type

Student Tool

Content Type Placement allows grading

This controls how and where the provider appears in the course, and how links to the provider can be created and managed. When a placement is of type Content, it can be set to allow grading which will offer the option to instructors to create a column for it in the Grade Center. If the Tool Provider supports publishing grades, and this option is enabled in this instance of Learn, grades will be automatically updated in the Grade Center.

Icon [icon_aleks_on.gif](#)
Upload a custom icon that will be shown in the course. The size of the icon should be 50 by 50 pixels.

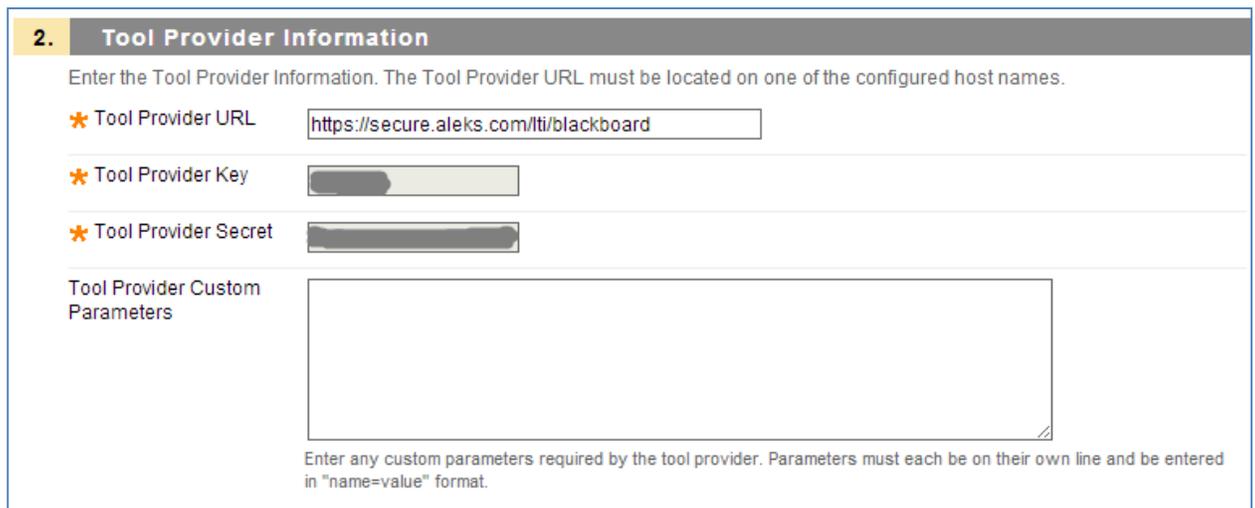
Current Icon



7. Make sure to check the box “Placement allows grading” to allow instructors to configure gradebook integration between ALEKS and Blackboard.

The ALEKS icon can be found at the following address
https://secure.aleks.com/lti/icon_aleks.gif.

Here are the recommended settings for the “Tool Provider Information” section. The Tool Provider Key and Tool Provider Secret are prefilled.



2. 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

* 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 on the “Submit” button at the bottom of the page to save your changes.

Congratulations! You have successfully completed the Blackboard administrator step to configure LTI integration with ALEKS.

Instructors: Configuring Your Blackboard Course

Log in as an instructor in Blackboard.

1. Click on the “Courses” tab and select your course (or select your course in the “My Courses” section).
2. Click on the “Content” link in the left hand side menu and make sure “Edit Mode” is set to “ON” (otherwise, click on “OFF” to switch to editing mode).

3. Click on “Build Content” (top menu) and select “ALEKS”.



4. Enter the name of the link to ALEKS, eg. “ALEKS”:

1. Information

* Name

Make sure to select “Enable Grading: Yes” if you would like to configure gradebook integration between ALEKS and Blackboard. Also, enter the “Points Possible” students will earn for their work in ALEKS.

3. Grading

Enable Grading Yes No

To set additional grading options, use the Column settings in the Grade Center

* Points Possible

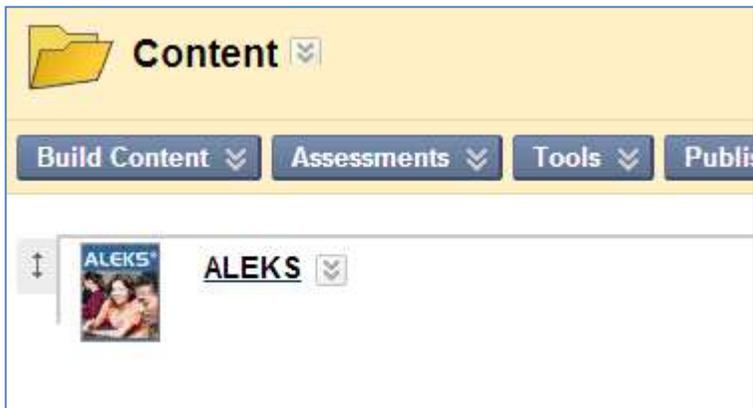
Visible to Students Yes No

Due Date

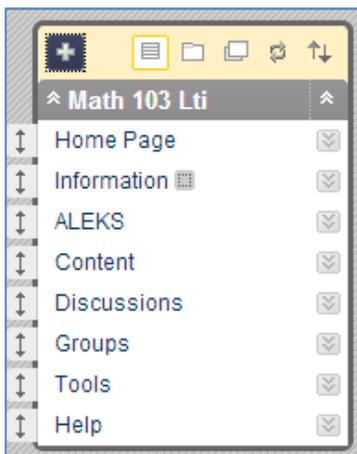
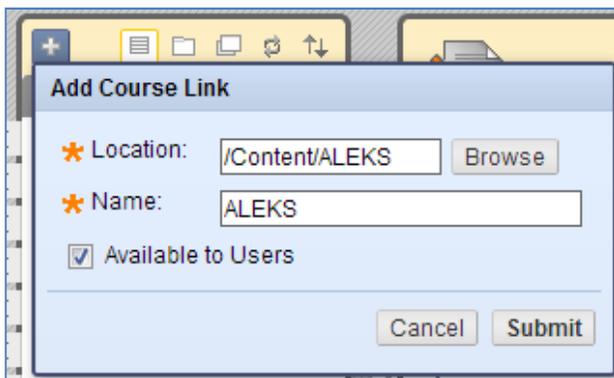
Enter dates as mm/dd/yyyy. Time may be entered in any increment.

Click on the “Submit” button to save your changes.

5. You should now have a new link labeled "ALEKS" on your course's Content page. Click on that link to proceed to ALEKS.



6. Optional: Add an ALEKS link to the course menu for quick access. To do so, click on the "+" icon in the top left corner of the course menu, select the "Course Link" entry. Then click on the "Browse" button. Click on the "ALEKS" link and then, click on the "Submit" button.



- You should also have a new column in your Blackboard gradebook as shown below. Under “Control Panel” on the left hand side menu, click on the “Grade Center” link. Then click on the “Full Grade Center” link.

Grade Center : Full Grade Center

When screen reader mode is on the table is static, and grades may be entered on the Grade Details page, accessed by selecting table cell for the grade. When screen reader mode is off, grades can be typed directly into the cells on the Grade Center page. To enter a grade: click the cell, type the grade value, and press the Enter key to submit. Use the arrow keys or the tab key to navigate through the Grade Center. [More Help](#)

Sort Columns By: Order:

Grade Information Bar Last Saved: February 24, 2013

<input type="checkbox"/>	Last Name	First Name	Availability	ALEKS	Weighted Total	Total
<input type="checkbox"/>	Smith	Joe	Available	48.00	--	48.00

The scores in that column will automatically update with the Total scores from the ALEKS gradebook after you enable automatic gradebook sync on the ALEKS Gradebook Setup page.

Congratulations! You have successfully configured your Blackboard course for integration with ALEKS.