



&



Blackboard



Adobe Connect

LTI Integration

User Guide (Version 1.3.1)



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& Adobe Connect

User Guide
Version 1.3.1

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Course Administrator Guide

Add Adobe Connect LTI Link to the Course

On the *Home* screen navigate to **System Admin** tab.

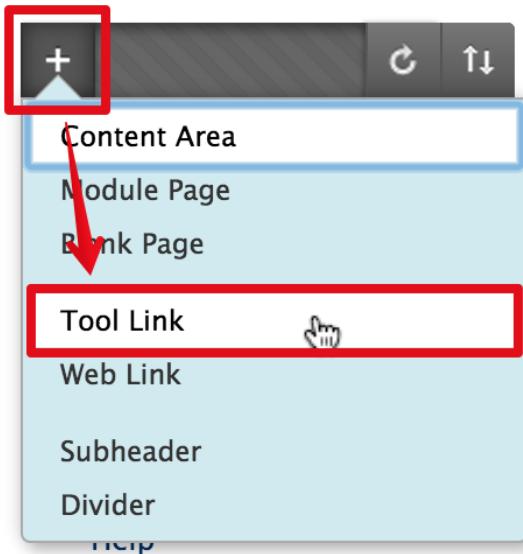
Click on the **Course Settings** link.

The screenshot shows the Blackboard Learn administrator panel. At the top, there is a navigation bar with tabs: My Organization, Courses, Community, Content Collection, Services, and System Admin. The System Admin tab is highlighted with a red box and a red arrow points from the text above to this tab. Below the navigation bar, the title "Administrator Panel" and the release information "Blackboard Learn+ Release 9.1.140152.0" are displayed. To the right of the title is the Blackboard logo and some system details: "Products: Course Delivery, Community Engagement, Content Management", "Login: Mike Kullen (mike@esynctraining.com)", and "Theme: Bb Learn 2012". The main content area is divided into several sections: "Users" (with links to Users, Customize User Information, Constituencies, System Roles, and Course/Department Roles), "Help" (with links to Blackboard Help for Administrators, Behind the Blackboard™, Local Support Contact, On-Demand, and Blackboard Developer Network), "Security" (with links to SSL Choice, Privileges, Session Fingerprint Settings, Gateway Options, Alternate Domain for Serving Content, Safe HTML Filters, and Input Validation Filter), "Courses" (with links to Courses, Course Settings, Course Catalog, and Move Files to Course Files; the "Course Settings" link is highlighted with a red box and a red arrow points to it), "Cloud Management" (with links to Software Updates, Cloud Connector, xpLor Settings, and Partner Cloud Settings), and "Building Blocks" (with links to Data Integration and Authentication).

Click on the **Course Menu and Structures** link.

The screenshot shows the 'Course Settings' page. At the top right, there is a link labeled 'Course Menu and Structures' which is highlighted with a red box. Below this, there are three main sections: 'Default Course Properties', 'Course Images', and 'Course Menu and Structures'. The 'Course Menu and Structures' section contains a brief description and a link to 'Define a default Course Menu for new courses and manage the availability of course structures.'

In the *Create Default Menu* section click on the + icon and select the **Tool Link** option.



Enter the **Name**, select the correct **Type** from the drop-down menu, select the **Available to Users** checkbox and click on the **Submit** button.

The screenshot shows the 'Add Tool Link' dialog box. It has fields for 'Name' (set to 'Adobe Connect'), 'Type' (set to 'Adobe Connect LTI'), and 'Available to Users' (checkbox checked). At the bottom are 'Cancel' and 'Submit' buttons, and a 'Help' link below the dialog.

>Name:	Adobe Connect
Type:	Adobe Connect LTI
<input checked="" type="checkbox"/> Available to Users	
Cancel Submit	

On the *Home* screen click on **Launch the Course Creation Wizard** link.

A screenshot of the Blackboard Home screen. At the top left, there is a dropdown menu labeled "Course Creation Wizard". Below it, a message reads "Create courses using an easy step-by-step wizard approach." followed by a blue link "Launch the Course Creation Wizard." A red box highlights this blue link.

Run through the wizard and create a course.

On the *Home* screen navigate to **Courses** tab. Select the required course from the list.

A screenshot of the Blackboard Courses tab. The top navigation bar has tabs: My Organization, Courses (which is highlighted in red), Community, Content Collection, Services, and System Admin. Below the tabs, there are two sections: "Course List" and "Course Catalog". The "Course List" section shows a list of courses where the user is an instructor. One course, "spanish101: Spanish Course", is highlighted with a red box. A red arrow points from the "Courses" tab in the navigation bar down to this course in the list.

On the *Course Home Page* click on **Adobe Connect** link to open the application.

A screenshot of the Blackboard Course Home Page for the "Spanish Course". The left sidebar shows navigation links: Home Page, Information, Content, Discussions, Groups, Tools, Help, and Adobe Connect (which is highlighted with a red box). The main content area is titled "Home Page" and contains a "Add Course Module" button. Below it are sections for "My Announcements" (No Courses) and "My Tasks" (My Tasks:).

Add or Reuse Existing Users to the Course to Add to Adobe Connect Meeting

Add a New User to Your Blackboard Account

On the *Home* screen navigate to **System Admin** tab.

Click on the **Users** link.

The screenshot shows the Blackboard Learn administrator panel. At the top, there is a navigation bar with tabs: My Organization, Courses, Community, Content Collection, Services, and System Admin. The System Admin tab is highlighted with a red box and a red arrow points from the previous step's red box to this one. Below the navigation bar is the administrator panel header with the title "Administrator Panel", the release information "Blackboard Learn + Release 9.1.140152.0", and the Blackboard logo. The main content area is divided into three columns: "Users" (with a red box around the "Users" link and a red arrow pointing to it), "Help" (with links to Blackboard Help for Administrators, Behind the Blackboard™, and Local Support Contact), and "Security" (with links to SSL Choice, Privileges, and Session Fingerprint Settings).

Click on the **Create User** button.

The screenshot shows the "Users" page within the administrator panel. The top navigation bar has a "Users" icon and the word "Users". Below the navigation bar is a toolbar with "Create User" (highlighted with a red box and a red arrow pointing to it) and "Batch Actions". There is also a search bar labeled "Search: Username Contains Go".

Populate the following form and click on the **Submit** button to finish the process.

Create User

Information about users is stored in a User Profile. It is possible to set which the fields of data in the User Profile are displayed to users and which are editable by users. [More Help](#)

* Indicates a required field.

PERSONAL INFORMATION

Title	<input type="text"/>
* First Name	<input type="text"/>
Middle Name	<input type="text"/>
* Last Name	<input type="text"/>
Suffix	<input type="text"/>
Other Name	<input type="text"/>
Email	<input type="text"/>
Learner ID	<input type="text"/>

ACCOUNT INFORMATION

* Username	<input type="text"/>
* Password	<input type="text"/>
* Verify Password	<input type="text"/>

Enroll Users to the Course

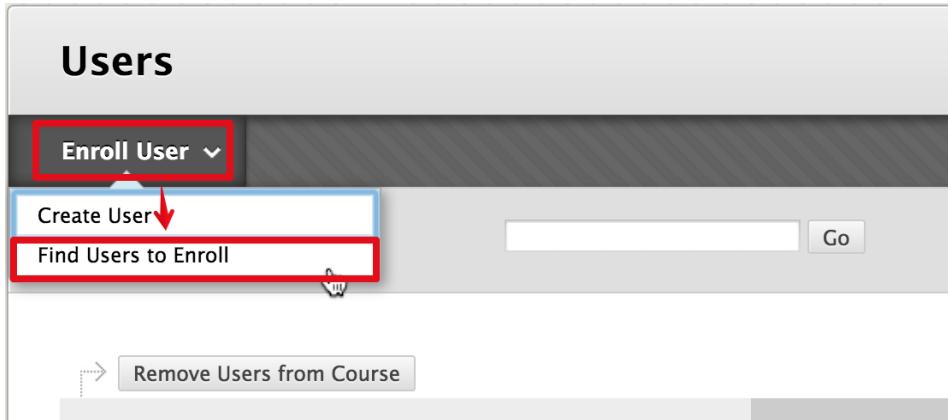
On the *Home* screen navigate to **Courses** tab. Select the required course from the list.

The screenshot shows the Blackboard Home screen. At the top, there is a navigation bar with tabs: My Organization, Courses (which is highlighted with a red box), Community, Content Collection, Services, and System Admin. Below the navigation bar is a "Course List" section. It displays a list of courses where the user is an instructor. One course, "Spanish101: Spanish Course", is highlighted with a red box. To the right of the course list is a "Course Catalog" section with a "Browse Course Catalog" button. A red arrow points from the text "Select the required course from the list." towards the "Spanish101: Spanish Course" link.

On the *Course Home Page* click on **Users** link.

The screenshot shows the "Spanish Course" Home Page. On the left, there is a sidebar with a "Control Panel" menu. Under "Users and Groups", the "Users" link is highlighted with a red box. The main content area is titled "Home Page" and contains sections for "Add Course Module", "My Announcements" (which says "No Course or Department Announcements have been posted in this course"), and "My Tasks".

Click on the **Enroll User** button and from the drop-down menu select the **Find Users to Enroll** option.



Enter the required **Username** and click on the **Submit** button.

A screenshot of a 'ENROLL USERS' form. At the top, a note says 'Enter one or more Usernames. Separate multiple Usernames with commas. Click **Browse** to search.' Below this is a field labeled 'Username' with a red asterisk (*) and a red-bordered input box. To the right of the input box is a 'Browse...' button. Further down, there is a 'Role' dropdown menu set to 'Learner'. Underneath, 'Enrollment Availability' is set to 'Yes' (indicated by a checked radio button). At the bottom left, a note says 'Click Submit to proceed. Click Cancel to go back.' On the far right, there are 'Cancel' and 'Submit' buttons. A large red arrow points from the 'Find Users to Enroll' link in the previous screenshot to the 'Submit' button in this screenshot.

Create a New Adobe Connect Meeting

On the *Home* screen navigate to **Courses** tab. Select the required course from the list.

The screenshot shows the Blackboard Home screen. At the top, there is a navigation bar with tabs: My Organization, Courses (which is highlighted with a red box), Community, Content Collection, Services, and System Admin. Below the navigation bar, there are two main sections: "Course List" and "Course Catalog". The "Course List" section contains a list of courses where the user is an instructor. One course, "spanish101: Spanish Course", is highlighted with a red box. The "Course Catalog" section has a "Browse Course Catalog" button.

On the *Course Home Page* click on **Adobe Connect** link to open the application.

The screenshot shows the "Spanish Course" Home Page. On the left sidebar, under the "Spanish Course" heading, there is a list of links: Home Page, Information, Content, Discussions, Groups, Tools, Help, and Adobe Connect. The "Adobe Connect" link is highlighted with a red box. The main content area displays the "Home Page" with an "Add Course Module" button and sections for "My Announcements" (which says "No Courses") and "My Tasks" (which says "My Tasks:").

Click on the **Add Meeting** button.

Meetings List

The screenshot shows the "Course Meetings" page. It has a header with "Settings" and a main content area with a message: "Currently there are no meetings. Please add." To the right of this message is a blue "Add Meeting" button.

Populate the following form and click on the **Next** button.

*NOTE: **Optional** section is collapsed by default.

[Meetings List](#) > [Meeting Information](#)

Meeting Information Participants Settings

Required

Name:

Select Template:

Optional

Custom URL:

Summary:

Start Time: 12:53 PM

Duration:

Access:

Only registered users

Registered users and accepted guests

Anyone who has the URL for the meeting

Cancel Save Next

Map Blackboard users to Adobe Connect roles. Select any user in the right section and input the required AC role by selecting it from the **Set User Role** drop-down menu.

[Meetings List](#) > **Participants**

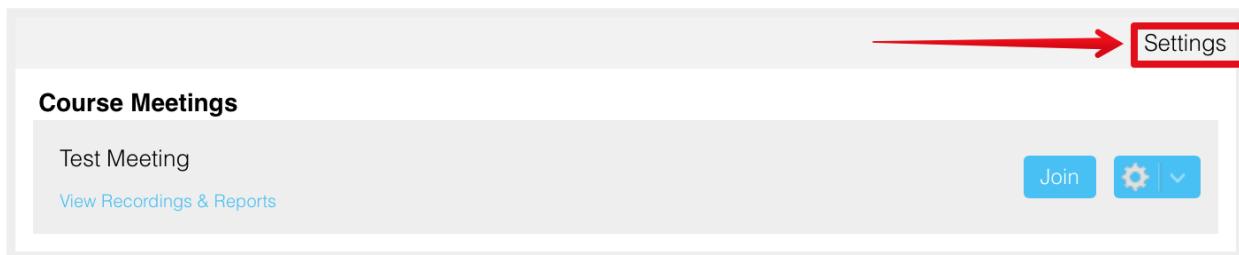
The screenshot shows a web-based application for mapping Blackboard users to Adobe Connect roles. At the top, there are three tabs: 'Meeting Information' (highlighted in blue), 'Participants' (grayed out), and 'Settings'. Below the tabs, there are two main sections: 'Blackboard Available Users (4)' on the left and 'Adobe Connect Participants (4)' on the right. The 'Blackboard Available Users' section contains four entries: 'Student (3)' with users Vadim Adashkevich, Melissa Sieben, and Kelsea Tower; and 'Teacher (1)' with user Mike Kollen. The 'Adobe Connect Participants' section contains four entries: 'Host (1)' with user Mike Kollen; and 'Participant (3)' with users Vadim Adashkevich, Melissa Sieben, and Kelsea Tower. At the bottom of the interface are several buttons: a refresh icon, 'Sync Users', 'Add', 'Set User Role' (with a dropdown arrow), and 'Remove'.

Blackboard Available Users (4)		Adobe Connect Participants (4)	
Student (3)		Host (1)	
Vadim Adashkevich		Mike Kollen	
Melissa Sieben		Participant (3)	
Kelsea Tower		Vadim Adashkevich	
Teacher (1)		Melissa Sieben	
Mike Kollen		Kelsea Tower	

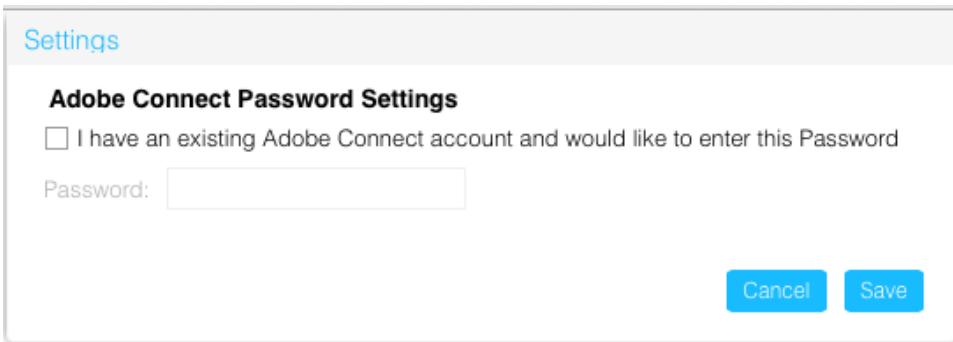
Click on the **Finish** button to complete the process.

Each Blackboard user has a possibility to set Adobe Connect Password rule clicking on **Settings** link.

Meetings List



Mark the check-box confirming that you have an Adobe Connect account created using the same email as in Blackboard, enter your Adobe Connect password and click Save button to use this account.



In case you don't have an Adobe Connect account and want to generate a random password every time you join Adobe Connect meeting click Save button and it will be done automatically.

If a student adds late to the course, *Alert* icon will appear next to the meeting name in the **Meeting Information** tab.

Meetings List

A screenshot of a web-based application interface titled "Meetings List". At the top right is a "Settings" button. Below it, under "Course Meetings", is a list item for "Test Meeting". This item features a red square icon with a white exclamation mark (an alert icon) to its left. To the right of the meeting name are two buttons: "Join" and a gear-and-dropdown icon. A red arrow points from the text above to the alert icon on the "Test Meeting" row.

Click on the Gear icon and select **Edit** from the dropdown list.

Meetings List

A screenshot of the same "Meetings List" interface. The "Test Meeting" row is selected, and a context menu has appeared. The menu items are "Join", a gear-and-dropdown icon (which is highlighted with a red border), "Edit", and "Delete". A red arrow points from the text above to the gear-and-dropdown icon in the menu. The "Edit" option is also labeled in the menu.

Navigate to the **Participants** tab and observe the **Blackboard Available Users** list. New students should be marked with *Red Dot* icon.

Click on the **Sync Users** to add all new user to Adobe Connect meeting.

Meetings List > Participants

The screenshot shows the 'Participants' tab in the 'Meetings List'. There are two main sections: 'Blackboard Available Users (5)' on the left and 'Adobe Connect Participants (4)' on the right. The 'Blackboard Available Users' section lists four students and one teacher. The 'Adobe Connect Participants' section lists three participants and one host. At the bottom, there are buttons for Refresh, Sync Users (which is highlighted with a red box), Add, Set User Role, and Remove.

Blackboard Available Users (5)	
Student (4)	
Vadim Adashkevich	
Paul Green	●
Melissa Sieben	
Kelsea Tower	
Teacher (1)	
Mike Kollen	

Adobe Connect Participants (4)	
Host (1)	
Mike Kollen	
Participant (3)	
Vadim Adashkevich	
Melissa Sieben	
Kelsea Tower	

Sync Users (highlighted with a red box)

Select the user in the right section and input the required AC role by selecting it from the **Set User Role** drop-down menu.

Refresh the Blackboard Available Users list by clicking on the **Refresh** button.

To navigate back to the *Start screen* click on the **Meetings List** link.

The screenshot shows a software interface with a navigation bar at the top. The first item in the bar, 'Meetings List', is highlighted with a red box and has a red arrow pointing to the right towards the second item, 'Participants'. Below the navigation bar, there are two main sections: 'Blackboard Available Users (5)' and 'Adobe Connect Participants (4)'. Each section contains a list of participants: 'Student (4)' under Blackboard and 'Host (1)' under Adobe Connect. The background of the interface is light grey, and the overall layout is clean and organized.

Create an Office Hours Meeting (Optional)

Click on the **Add Meeting** button in the *Office Hours* section.

Meetings List

The screenshot shows a user interface for managing meetings. At the top right is a "Settings" button. Below it, under "Course Meetings", there is a single entry for "Test Meeting" with "Join" and "Settings" buttons. Under "Office Hours", a message says "Currently there are no meetings. Please add." with a prominent "Add Meeting" button highlighted by a red rectangle. Under "Study Groups", a similar message says "Currently there are no meetings. Please add." with its own "Add Meeting" button.

Populate the following form and click on the **Save** button.

[Meetings List](#) > **Office Hours Information**

Office Hours Information Settings

Required

Select Template:

Optional

Custom URL:

Summary:

Meeting Time:

Allow Guests

Cancel Save

*NOTE: One common **Office Hours** meeting is created for all courses. When user creates Office Hours meeting in different course, it would be mapped to the same meeting, that was created before.

All students in the course will have access to the Office Hours meeting.

Create a Study Group Meeting (Optional)

Click on the **Add Meeting** button in the *Study Group* section.

Meetings List

The screenshot shows a user interface for managing meetings. At the top right is a "Settings" button. Below it are three main sections: "Course Meetings", "Office Hours", and "Study Groups".

- Course Meetings:** Contains a meeting titled "Test Meeting" with "View Recordings & Reports" and "Join" buttons.
- Office Hours:** Contains a meeting titled "Mike Kollen's Office Hours (6pm-8pm)" with "View Recordings & Reports" and "Join" buttons.
- Study Groups:** Displays the message "Currently there are no meetings. Please add." and features an "Add Meeting" button, which is highlighted with a red border.

Add Blackboard users manually to Adobe Connect roles. Select any user in the right section and input the required AC role by selecting it from the **Set User Role** drop-down menu.

[Meetings List](#) > **Participants**

The screenshot shows the 'Participants' tab of the 'Meetings List' interface. At the top, there are tabs for 'Study Group Information', 'Participants', and 'Settings'. The 'Participants' tab is active.

Blackboard Available Users (5)

- Student (4)
 - Vadim Adashkevich
 - Paul Green
 - Melissa Sieben
 - Kelsea Tower
- Teacher (1)
 - Mike Kollen

Adobe Connect Participants (1)

- Host (1)
 - Mike Kollen

At the bottom, there are several buttons: a refresh icon, 'Sync Users', 'Add', 'Set User Role' (with a dropdown arrow), 'Remove', 'Back', and 'Finish'.

Click on the **Finish** button to complete the process.

Click on **Leave** button if you want to delete the invitation to someone's study group.

Meetings List

The screenshot displays a user interface for managing meetings. At the top right is a "Settings" link. Below it, under "Course Meetings", there is a section for "Test Meeting" with a "Join" button and a gear icon. Under "Office Hours", there is a section for "Mike Kollen's Office Hours (6pm-8pm)" with a "Join" button and a gear icon. Under "Study Groups", there are two sections: "Test Study Group" and "Student's Study Group". The "Student's Study Group" section includes a "Join" button and a "Leave" button, which is highlighted with a red rectangle. Each section also has a "View Recordings & Reports" link.

Settings

Course Meetings

Test Meeting

[View Recordings & Reports](#)

Office Hours

Mike Kollen's Office Hours (6pm-8pm)

[View Recordings & Reports](#)

Study Groups

Test Study Group

[View Recordings & Reports](#)

Student's Study Group

[View Recordings & Reports](#)

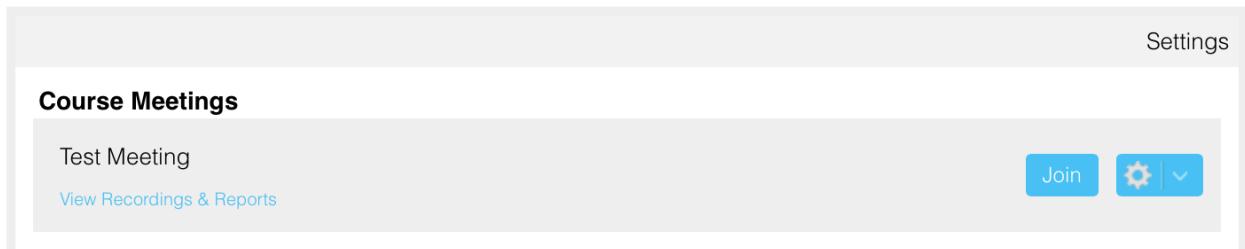
Join Leave

Adobe Connect Recordings

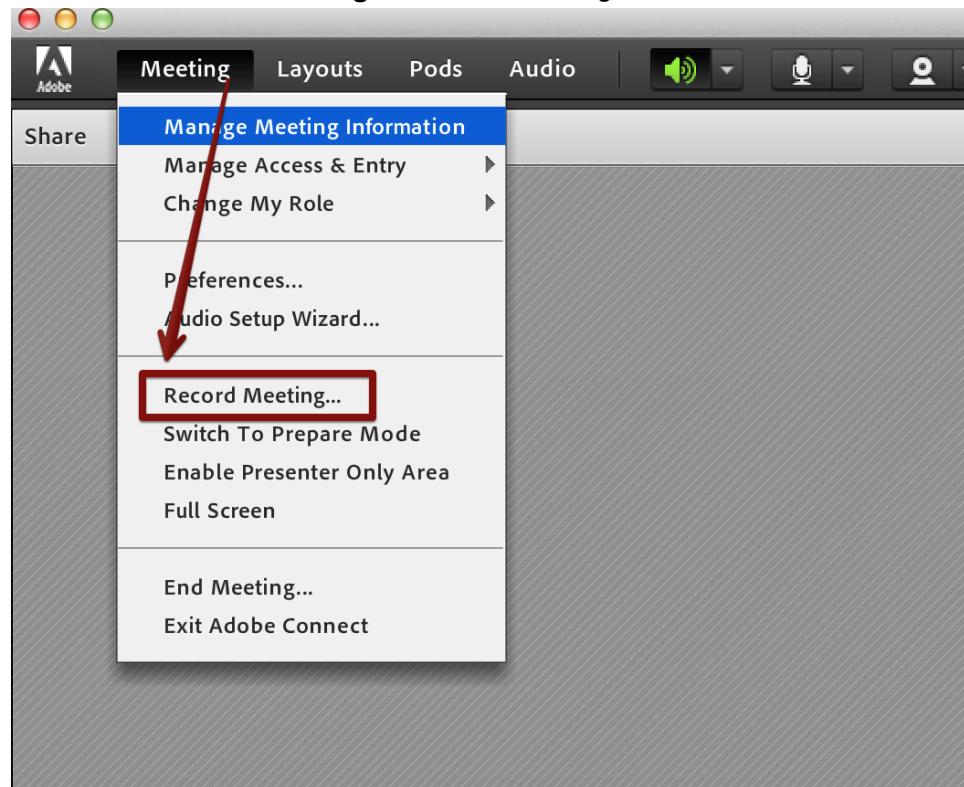
Record the Meeting

Join the meeting.

Meetings List



Select the **Record Meeting** under the *Meeting* menu in the Adobe Connect room.



Populate the following form and click on the **OK** button to start the recording.

Record Meeting

Name	<input type="text" value="1 [Test] Test Meeting_0"/>
Summary	<input type="text"/>
<input type="button" value="OK"/> <input type="button" value="Cancel"/>	

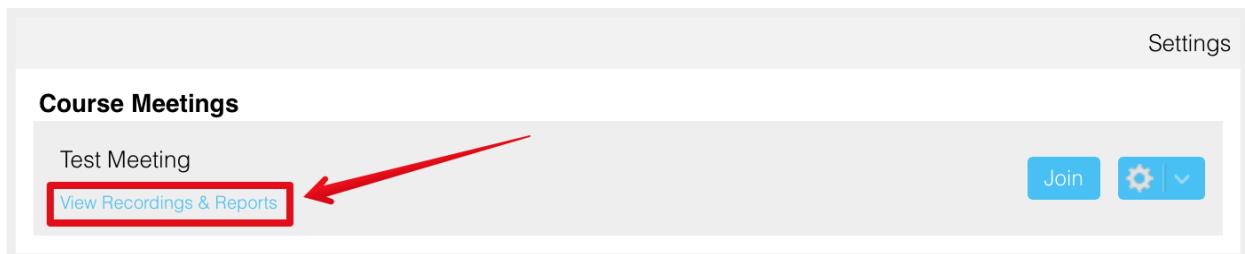
When the recording is done click on the **Stop Recording** button under the *Record Meeting* icon in the top right corner.



View / Watch Recordings

Navigate back to Adobe Connect application in Blackboard page and click on the **View Recordings & Reports** link.

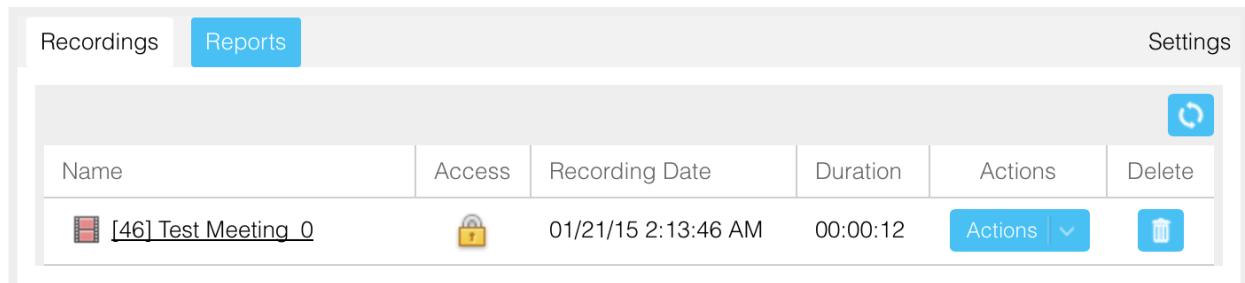
Meetings List



The screenshot shows the 'Meetings List' interface. In the 'Course Meetings' section, there is a meeting titled 'Test Meeting'. Below the meeting title, there is a blue button labeled 'View Recordings & Reports'. A red arrow points from the left towards this button, and a red box highlights it. To the right of the button are two more buttons: 'Join' and a gear icon with a dropdown arrow.

Open the **Recordings** tab and click on the **Refresh** icon to get the latest list of the recordings for this meeting.

Meetings List > **Recordings**



The screenshot shows the 'Recordings' interface. At the top, there are two tabs: 'Recordings' (selected) and 'Reports'. Below the tabs is a table with columns: Name, Access, Recording Date, Duration, Actions, and Delete. A red arrow points from the left towards the 'Actions' column. A red box highlights the 'Name' column header. The table contains one recording entry: '[46] Test Meeting_0' with a lock icon, recorded on 01/21/15 at 2:13:46 AM, lasting 00:00:12. There are 'Actions' and 'Delete' buttons for this recording.

Click on the recording's name to watch the meeting recording.

Actions drop-down menu located next to each recording allows you to *Edit Recording*, *Share* it and *Make FLV*.

[Meetings List](#) > [Recordings](#)

Name	Access	Recording Date	Duration	Actions	Delete
[46] Test Meeting_0	Locked	01/21/15 2:13:46 AM	00:00:12	Actions	

- 1) **Edit Recording** option allows to open the selected recording on Adobe Connect and modify it using Adobe Connect tools.
- 2) Clicking **Share** option you can set the Access Type: Public or Private (optionally setting a Passcode) and get the Recording URL.

99 [Demo] Demo Meeting_0

Recording URL
https://connect.esynctraining.com/p5o6ar3b7an

Change Access Type

Private
 Public

Passcode (Optional):

Cancel **Save**

- 3) Selecting **Make FLV** option you will be asked to choose a place on your hard drive and the recording will be saved in FLV.

To delete the recording click on the **Delete** button (Trashcan icon).

View Meeting Reports

Navigate back to Adobe Connect application in Blackboard page and click on the **View Recordings & Reports** link.

Meetings List

The screenshot shows the 'Meetings List' interface. At the top right is a 'Settings' icon. Below it, under 'Course Meetings', there is a list with 'Test Meeting'. To the right of the meeting name are 'Join' and 'Settings' buttons. A red arrow points to the 'View Recordings & Reports' link, which is highlighted with a red box.

Open the **Reports** tab and click on the **Refresh** icon to get the latest list of the reports for this meeting.

Teacher can obtain the information about each individual student who has participated in the meeting.

Meetings List > Reports

The screenshot shows the 'Reports' section under 'Meetings List'. At the top left are tabs for 'Recordings' (selected) and 'Reports'. At the top right is a 'Settings' icon. Below the tabs, there are two buttons: 'By Attendees' (highlighted with a red box) and 'By Sessions'. To the right of these buttons is a refresh icon. The main area displays a table of participant information:

Name	E-mail	Time In	Time Out
Vadim Adashkevich	vadim@esynctraining.com	01/21/2015 1:13 PM	01/21/2015 1:14 PM
Mike Kollen	mike@esynctraining.com	01/21/2015 1:03 PM	01/21/2015 1:14 PM
Mike Kollen	mike@esynctraining.com	01/21/2015 12:55 PM	01/21/2015 12:55 PM

Teacher can obtain the session information by clicking on the **By Sessions** link.

Meetings List > Reports

The screenshot shows the 'Reports' section under 'Meetings List'. At the top left are tabs for 'Recordings' (selected) and 'Reports'. At the top right is a 'Settings' icon. Below the tabs, there are two buttons: 'By Attendees' and 'By Sessions' (highlighted with a red box). To the right of these buttons is a refresh icon. The main area displays a table of session details:

Session ↓	Start Time	End Time	Number of Attendees
1	01/21/2015 12:55 PM	01/21/2015 1:14 PM	2

Blackboard Account Administrator Guide

Configure Adobe Connect LTI for Your Blackboard Account

Using Admin Credentials

Please provide the LMS domain and valid Blackboard admin credentials to EGC Admin. As soon as EGC Admin creates the license, Blackboard administrator can proceed with further instructions.

On the *Home* screen navigate to **System Admin** tab.

Click on the **Building Blocks** link.

The screenshot shows the Blackboard System Admin interface. At the top, there is a navigation bar with tabs: My Organization, Courses, Community, Content Collection, Services, and System Admin. The System Admin tab is highlighted with a red box. Below the navigation bar, there is a header area with the Blackboard logo and some system information: Products: Course Delivery, Community Engagement, Content Management; Login: Mike Kollen (mike@esynctraining.com); Theme: Bb Learn 2012. The main content area is divided into two columns. The left column contains several links under the heading "Security": SSL Choice, Privileges, Session Fingerprint Settings, Gateway Options, Alternate Domain for Serving Content, Safe HTML Filters, and Input Validation Filter. The right column contains links under the heading "Building Blocks": Data Integration, Authentication, Building Blocks (which is highlighted with a red box), and Web Services. A red arrow points from the "Building Blocks" link in the left column down to the "Building Blocks" link in the right column.

Click on the **LTI Tool Providers** link.

Building Blocks

Featured Building Blocks
Manage and install Featured Building Blocks

Installed Tools
Configure or Delete Building Blocks that were included with the system.

Proxy Tools
Manage and register Proxy Tools and define their Global Properties.

LTI Tool Providers
Manage and register LTI Tool Providers.

Click on the **Register Provider Domain** button.

LTI Tool Providers

This report is available to show all provider domains in use in the system, including

Manage Global Properties **Register Provider Domain**

Enter the **Provider Domain**, **Tool Provider Key** and **Tool Provider Secret**.

You will find your *Tool Provider Key* and *Tool Provider Secret* in EduGameCloud Administration.

Use the following *Provider Domain*: <https://app.edugamecloud.com>

Select the **Set globally** checkbox.

Register Provider Domain

Create a new registered provider domain, configure, and set policies. The provider domain, and secondary hostnames can be shared across multiple links.

* 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.

* 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

Set the *Institution/Organization Policies* options as follows:

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

or

ORGANIZATION POLICIES

Choose whether you want to override the organization 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
- Constituency in Course
 Name
 Email Address

Click on the **Submit** button to store the changes.

Open the Options Menu and select the **Manage Placements** option.

The screenshot shows the 'LTI Tool Providers' page. At the top, there are two buttons: 'Manage Global Properties' and 'Register Provider Domain'. Below these are three buttons: 'Approve', 'Exclude', and 'Delete'. A table lists provider domains with columns for 'Domain', 'Status', 'Credentials', and 'Server'. The first row, 'app.edugamecloud.com', is selected and has a yellow background. A context menu is open over this row, with the 'Manage Placements' option highlighted by a red box and a red arrow pointing to it. Other options in the menu include 'Edit', 'Usage Report', 'Approve', 'Exclude', and 'Delete'.

Click on the **Create Placement** button.

The screenshot shows the 'Manage Placements: app.edugamecloud.com' page. At the top, it says 'Create, Edit, or Delete a Tool Provider Placement. Deleting a Tool Provider Placement will not de'. Below this is a button labeled 'Create Placement', which is highlighted with a red box.

Enter the **Label**, **Handle** and **Tool Provider URL**.

Use the following **Tool Provider URL**: <https://app.edugamecloud.com/lti/blackboard-login>

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

63fba6c7-6062-41f9

* Tool Provider Secret

776f21b6-7e9e-4f77

Tool Provider Custom Parameters

Click on the **Submit** button to store the changes.

On the *Home* screen navigate to **System Admin** tab.

Click on the **Building Blocks** link.

The screenshot shows the Blackboard System Admin interface. At the top, there is a navigation bar with tabs: My Organization, Courses, Community, Content Collection, Services, and System Admin. The System Admin tab is highlighted with a red box and has a red arrow pointing to it from the text above. Below the navigation bar, there is a header section with the Blackboard logo, product information (Course Delivery, Community Engagement, Content Management), login details (Mike Kollen, mike@esynctraining.com), and theme information (Bb Learn 2012). The main content area is divided into sections. The first section is titled "Security" and contains links for SSL Choice, Privileges, Session Fingerprint Settings, Gateway Options, Alternate Domain for Serving Content, Safe HTML Filters, and Input Validation Filter. The second section is titled "Building Blocks" and contains links for Data Integration, Authentication, Building Blocks (which is highlighted with a red box and has a red arrow pointing to it from the text above), and Web Services.

Click on the **Proxy Tools** link.

The screenshot shows a section titled "Building Blocks" with a sub-section titled "Featured Building Blocks". Below it is "Installed Tools" and "Proxy Tools", which is highlighted with a red border. Under "Proxy Tools" is the description "Manage and register Proxy Tools and define their Global Properties." Further down is "LTI Tool Providers" with its description.

Building Blocks

Featured Building Blocks
Manage and install Featured Building Blocks

Installed Tools
Configure or Delete Building Blocks that were included with the system.

Proxy Tools
Manage and register Proxy Tools and define their Global Properties.

LTI Tool Providers
Manage and register LTI Tool Providers.

Click on the **Manage Global Properties** button.

The screenshot shows the "Proxy Tools" interface with a navigation bar. The "Manage Global Properties" button is highlighted with a red box. Other buttons include "Register Proxy Tool" and "Delete".

Proxy Tools

Manage Global Properties **Register Proxy Tool** **Delete**

Select the **Allow Unknown Proxy Tools** checkbox.

ALLOW UNKNOWN PROXY TOOLS

*If you allow unknown Proxy Tools, then Proxy Tools can connect and use u
the right to use Web Services. If you do not allow this then only Proxy Tools*

Allow Unknown Proxy Tools



On the **Home** screen navigate to **System Admin** tab.

Click on the **Web services** link.

The screenshot shows the Blackboard System Admin interface. At the top, there is a navigation bar with tabs: zation, Courses, Community, Content Collection, Services, and System Admin. The System Admin tab is highlighted with a red box. Below the navigation bar, there is a header section with the Blackboard logo and text: Products: Course Delivery, Community Engagement, Content Management, Login: Mike Kollen (mike@esynctraining.com), and Theme: Bb Learn 2012. The main content area is divided into sections. The first section, titled "Security", contains links for SSL Choice, Privileges, Session Fingerprint Settings, Gateway Options, Alternate Domain for Serving Content, Safe HTML Filters, and Input Validation Filter. The second section, titled "Building Blocks", contains links for Data Integration, Authentication, Building Blocks, and Web Services. A red arrow points from the text "Click on the Web services link." to the "Web Services" link in the Building Blocks section, which is also highlighted with a red box.

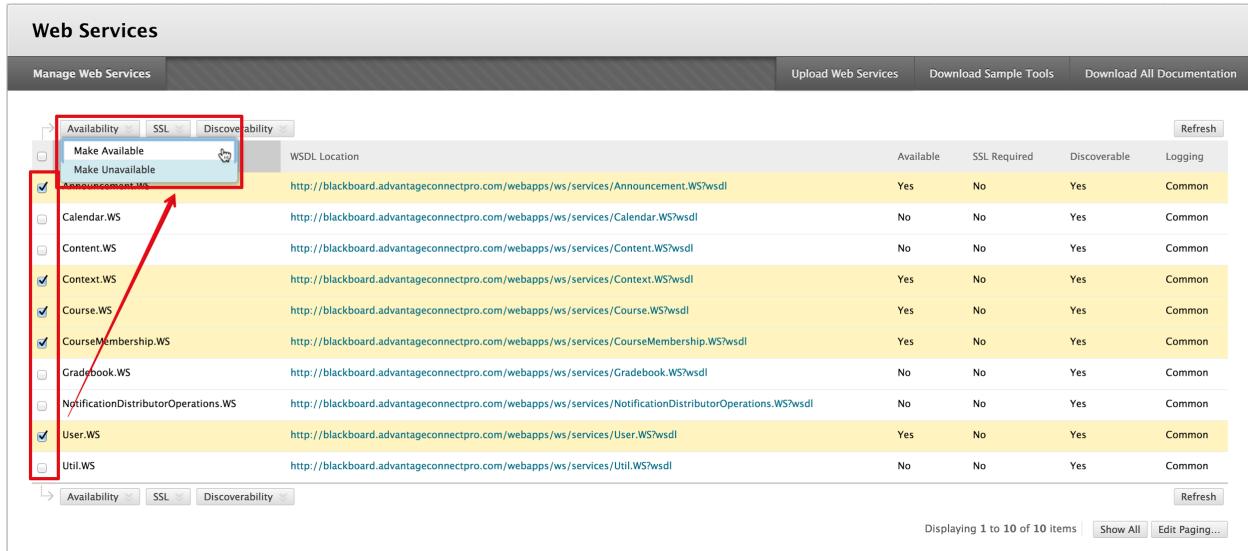
Select the following web services and make them available:

- Announcement.WS
- Context.WS
- Course.WS
- CourseMembership.WS
- User.WS

Web Services

Manage Web Services		Upload Web Services	Download Sample Tools	Download All Documentation		
		Availability	SSL	Discoverability		
<input type="checkbox"/>	Announcement.WS	WSDL Location http://blackboard.advantageconnectpro.com/webapps/ws/services/Announcement.WS?wsdl	Available	SSL Required No	Discoverable Yes	Logging Common
<input checked="" type="checkbox"/>	Calendar.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/Calendar.WS?wsdl	No	No	Yes	Common
<input type="checkbox"/>	Content.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/Content.WS?wsdl	No	No	Yes	Common
<input checked="" type="checkbox"/>	Context.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/Context.WS?wsdl	Yes	No	Yes	Common
<input checked="" type="checkbox"/>	Course.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/Course.WS?wsdl	Yes	No	Yes	Common
<input checked="" type="checkbox"/>	CourseMembership.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/CourseMembership.WS?wsdl	Yes	No	Yes	Common
<input type="checkbox"/>	Gradebook.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/Gradebook.WS?wsdl	No	No	Yes	Common
<input type="checkbox"/>	NotificationDistributorOperations.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/NotificationDistributorOperations.WS?wsdl	No	No	Yes	Common
<input checked="" type="checkbox"/>	User.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/User.WS?wsdl	Yes	No	Yes	Common
<input type="checkbox"/>	Util.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/Util.WS?wsdl	No	No	Yes	Common

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Using Proxy Tool

Please provide the LMS domain and valid Proxy Tool Registration Password (if it is set in your Blackboard account) to EGC Admin. It can be found at: System Admin -> Building Blocks -> Proxy Tools -> Manage Global Properties -> Proxy Tool Registration Password

As soon as EGC Admin creates the license, Blackboard administrator can proceed with further instructions.

On the **Home** screen navigate to **System Admin** tab.

Click on the **Building Blocks** link.

The screenshot shows the Blackboard System Admin interface. At the top, there is a navigation bar with links for My Organization, Courses, Community, Content Collection, Services, and System Admin. The System Admin link is highlighted with a red box. Below the navigation bar, there is a header area with the Blackboard logo and some system information: Products: Course Delivery, Community Engagement, Content Management, Login: Mike Kollen (mike@esynctraining.com), and Theme: Bb Learn 2012. The main content area is divided into sections. On the left, there are three large, empty rectangular boxes. The middle section contains a 'Security' panel with links for SSL Choice, Privileges, Session Fingerprint Settings, Gateway Options, Alternate Domain for Serving Content, Safe HTML Filters, and Input Validation Filter. The right section contains a 'Building Blocks' panel with links for Data Integration, Authentication, Building Blocks (which is highlighted with a red box), and Web Services. A red arrow points from the text 'Click on the Building Blocks link.' to the 'Building Blocks' link in the System Admin panel.

Click on the **Proxy Tools** link.

Building Blocks

Featured Building Blocks
Manage and install Featured Building Blocks

Installed Tools
Configure or Delete Building Blocks that were included with the system.

Proxy Tools
Manage and register Proxy Tools and define their Global Properties.

LTI Tool Providers
Manage and register LTI Tool Providers.

Select the EGC Vendor tool from the list and **Edit**.

Proxy Tools

Manage Global Properties Register Proxy Tool ▾

	Program	Availability	Tool Authentication Configured
<input checked="" type="checkbox"/> Vendor			
<input checked="" type="checkbox"/> EGC	LTI	No	Yes

Edit (highlighted with a red box)

Make tool Available and set desired password.

*NOTE: Please remember the password for further usage.

AVAILABILITY

Configure the availability and security for this Proxy Tool. If the Proxy Tool's Availability is not "Available" then it will not be visible in the Web Service sessions.

★ Availability

No

Restrict use of this Proxy Tool

Yes

Permit use of this Proxy Tool

Shared Password

By entering a password here you are granting the entitlements below to this tool when it is used.

Click on **Submit** button to save the changes.

Navigate to app.edugamecloud.com and login using your EGC admin credentials.
Go to Administration->LMS History and edit the license.

The screenshot shows the EduGameCloud administration dashboard. At the top, there are navigation links: Quiz/Assessment, Test, Survey, Crossword, Collaboration Map, Reporting, Help, Logout, Get EGC Pod v1.4, and Administration. The Administration link is highlighted with a red box. Below the navigation bar, there are four tabs: My License, Users, Email History, and LMS History, with LMS History also highlighted with a red box. A red arrow points from the 'Administration' link to the 'LMS History' tab. The main content area displays a table with one row for 'blackboard'. The columns are labeled: Edit, LMS, Title, Creation Date, Consumer Key, and Shared Secret. The 'Edit' column contains a pencil icon, which is also highlighted with a red box. The 'LMS' column shows 'blackboard', 'Title' shows 'Blackboard', 'Creation Date' shows '02/04/15 09:00 AM', 'Consumer Key' shows a long string of characters, and 'Shared Secret' shows another long string of characters.

Paste in the password in the **Proxy Tool Password** textfield and click on **Save** button.

The screenshot shows the 'LMS History' configuration page. It has two main sections: 'Learning Manage System' and 'Customization'. In the 'Learning Manage System' section, there is a 'LMS Domain' field containing 'https://bb9-cp.blackboard.com' and a 'Proxy Tool Password' field, which is highlighted with a red box. Below these fields is a 'Test Connection' button. In the 'Customization' section, there are several checkboxes: Primary Color (with a color swatch), Delete Meetings (checked), Edit Meetings (checked), Settings Visible (checked), LMS Help (checked), EGC Help (checked), Course Meetings (checked), Office Hours (checked), and Study Groups (unchecked). At the bottom of the page are 'Cancel' and 'Save' buttons, with 'Save' also highlighted with a red box.

Navigate back to Blackboard website.

On the *Home* screen navigate to **System Admin** tab.

Click on the **Building Blocks** link.

The screenshot shows the Blackboard System Admin interface. At the top, there is a navigation bar with tabs: My Organization, Courses, Community, Content Collection, Services, and System Admin. The System Admin tab is highlighted with a red box and has a red arrow pointing to it from the text above. Below the navigation bar, there is a header section with the Blackboard logo and some system information: Products: Course Delivery, Community Engagement, Content Management; Login: Mike Kollen (mike@esynctraining.com); Theme: Bb Learn 2012. The main content area is divided into sections. On the left, there are three vertical columns of placeholder boxes. The middle column contains a 'Security' section with links: SSL Choice, Privileges, Session Fingerprint Settings, Gateway Options, Alternate Domain for Serving Content, Safe HTML Filters, and Input Validation Filter. The right column contains a 'Building Blocks' section with links: Data Integration, Authentication, Building Blocks (which is highlighted with a red box), and Web Services. A red arrow points from the text 'Click on the Building Blocks link.' to the 'Building Blocks' link in the Building Blocks section.

Click on the **LTI Tool Providers** link.

The screenshot shows a user interface titled "Building Blocks". Under the heading "Featured Building Blocks", there is a link "Manage and install Featured Building Blocks". Below it, under "Installed Tools", is a link "Configure or Delete Building Blocks that were included with the system.". Under "Proxy Tools", there is a link "Manage and register Proxy Tools and define their Global Properties.". At the bottom, under "LTI Tool Providers", there is a link "Manage and register LTI Tool Providers.", which is highlighted with a red rectangular box around its text.

Click on the **Register Provider Domain** button.

The screenshot shows a user interface titled "LTI Tool Providers". A descriptive text below the title states "This report is available to show all provider domains in use in the system, including". At the bottom, there are two buttons: "Manage Global Properties" and "Register Provider Domain", with the "Register Provider Domain" button highlighted by a red rectangular box.

Enter the **Provider Domain**, **Tool Provider Key** and **Tool Provider Secret**.

You will find your *Tool Provider Key* and *Tool Provider Secret* in EduGameCloud Administration.

Use the following *Provider Domain*: <https://app.edugamecloud.com>

Select the **Set globally** checkbox.

Register Provider Domain

Create a new registered provider domain, configure, and set policies. The provider domain, and secondary hostnames can be shared across multiple links.

* 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.

* 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

Click on the **Submit** button to store the changes.

Open the Options Menu and select the **Manage Placements** option.

The screenshot shows the 'LTI Tool Providers' page. At the top, there are two buttons: 'Manage Global Properties' and 'Register Provider Domain'. Below these are three buttons: 'Approve', 'Exclude', and 'Delete'. A table lists provider domains with columns for 'Domain', 'Status', 'Credentials', and 'Server'. The first row, 'app.edugamecloud.com', is selected and has a yellow background. A context menu is open over this row, with the 'Manage Placements' option highlighted by a red box and a red arrow pointing to it. Other options in the menu include 'Edit', 'Usage Report', 'Approve', 'Exclude', and 'Delete'.

Click on the **Create Placement** button.

The screenshot shows the 'Manage Placements: app.edugamecloud.com' page. At the top, it says 'Create, Edit, or Delete a Tool Provider Placement. Deleting a Tool Provider Placement will not de'. Below this is a button labeled 'Create Placement', which is highlighted with a red box.

Enter the **Label**, **Handle** and **Tool Provider URL**.

Use the following **Tool Provider URL**: <https://app.edugamecloud.com/lti/blackboard-login>

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

63fba6c7-6062-41f9

* Tool Provider Secret

776f21b6-7e9e-4f77

Tool Provider Custom Parameters

Click on the **Submit** button to store the changes.

On the *Home* screen navigate to **System Admin** tab.

Click on the **Building Blocks** link.

The screenshot shows the Blackboard System Admin interface. At the top, there is a navigation bar with tabs: My Organization, Courses, Community, Content Collection, Services, and System Admin. The System Admin tab is highlighted with a red box and has an upward-pointing arrow above it. Below the navigation bar, there is a header section with the Blackboard logo, product information (Course Delivery, Community Engagement, Content Management), login details (Mike Kollen, mike@esynctraining.com), and theme information (Bb Learn 2012). The main content area is divided into sections. On the left, there are three large, empty rectangular boxes. The middle section contains a 'Security' group with links: SSL Choice, Privileges, Session Fingerprint Settings, Gateway Options, Alternate Domain for Serving Content, Safe HTML Filters, and Input Validation Filter. The right section contains a 'Building Blocks' group with links: Data Integration, Authentication, Building Blocks (which is highlighted with a red box and has a downward-pointing arrow pointing to it), and Web Services.

Click on the **Proxy Tools** link.

The screenshot shows a section titled "Building Blocks" with a sub-section titled "Featured Building Blocks". Below it is "Installed Tools" and then "Proxy Tools", which is highlighted with a red border. Each section has a descriptive subtitle below it.

Building Blocks

Featured Building Blocks
Manage and install Featured Building Blocks

Installed Tools
Configure or Delete Building Blocks that were included with the system.

Proxy Tools
Manage and register Proxy Tools and define their Global Properties.

LTI Tool Providers
Manage and register LTI Tool Providers.

Click on the **Manage Global Properties** button.

The screenshot shows the "Proxy Tools" interface. At the top, there are two buttons: "Manage Global Properties" and "Register Proxy Tool". The "Manage Global Properties" button is highlighted with a red box. Below the buttons, there is a small control panel with a "Delete" button.

Proxy Tools

Manage Global Properties Register Proxy Tool ▾

.....

Select the **Allow Unknown Proxy Tools** checkbox.

ALLOW UNKNOWN PROXY TOOLS

*If you allow unknown Proxy Tools, then Proxy Tools can connect and use u
the right to use Web Services. If you do not allow this then only Proxy Tools*

Allow Unknown Proxy Tools



On the **Home** screen navigate to **System Admin** tab.

Click on the **Web services** link.

The screenshot shows the Blackboard System Admin interface. At the top, there is a navigation bar with tabs: zation, Courses, Community, Content Collection, Services, and System Admin. The System Admin tab is highlighted with a red box. Below the navigation bar, there is a header section with the Blackboard logo and text: Products: Course Delivery, Community Engagement, Content Management, Login: Mike Kollen (mike@esynctraining.com), and Theme: Bb Learn 2012. The main content area is divided into sections. The first section, titled "Security", contains links for SSL Choice, Privileges, Session Fingerprint Settings, Gateway Options, Alternate Domain for Serving Content, Safe HTML Filters, and Input Validation Filter. The second section, titled "Building Blocks", contains links for Data Integration, Authentication, Building Blocks, and Web Services. A red arrow points from the text "Click on the Web services link." to the "Web Services" link in the Building Blocks section, which is also highlighted with a red box.

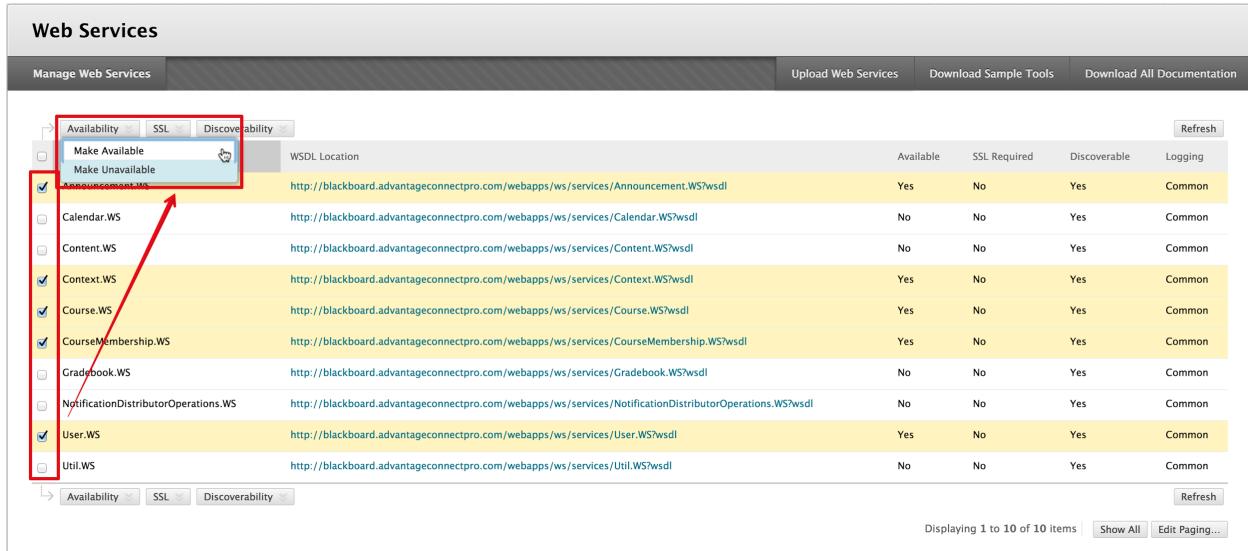
Select the following web services and make them available:

- Announcement.WS
- Context.WS
- Course.WS
- CourseMembership.WS
- User.WS

Web Services

Manage Web Services		Upload Web Services	Download Sample Tools	Download All Documentation		
		Availability	SSL	Discoverability		
<input type="checkbox"/>	Announcement.WS	WSDL Location http://blackboard.advantageconnectpro.com/webapps/ws/services/Announcement.WS?wsdl	Available	SSL Required No	Discoverable Yes	Logging Common
<input checked="" type="checkbox"/>	Calendar.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/Calendar.WS?wsdl	No	No	Yes	Common
<input type="checkbox"/>	Content.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/Content.WS?wsdl	No	No	Yes	Common
<input checked="" type="checkbox"/>	Context.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/Context.WS?wsdl	Yes	No	Yes	Common
<input checked="" type="checkbox"/>	Course.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/Course.WS?wsdl	Yes	No	Yes	Common
<input checked="" type="checkbox"/>	CourseMembership.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/CourseMembership.WS?wsdl	Yes	No	Yes	Common
<input type="checkbox"/>	Gradebook.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/Gradebook.WS?wsdl	No	No	Yes	Common
<input type="checkbox"/>	NotificationDistributorOperations.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/NotificationDistributorOperations.WS?wsdl	No	No	Yes	Common
<input checked="" type="checkbox"/>	User.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/User.WS?wsdl	Yes	No	Yes	Common
<input type="checkbox"/>	Util.WS	http://blackboard.advantageconnectpro.com/webapps/ws/services/Util.WS?wsdl	No	No	Yes	Common

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Getting Support

Email Support, please contact:

support@esynctraining.com and cc: qa@esynctraining.com

Emergency Phone Support:

714.979.4444