



&



Blackboard



Adobe Connect

LTI Integration

User Guide (Version 1.3.1)



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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.

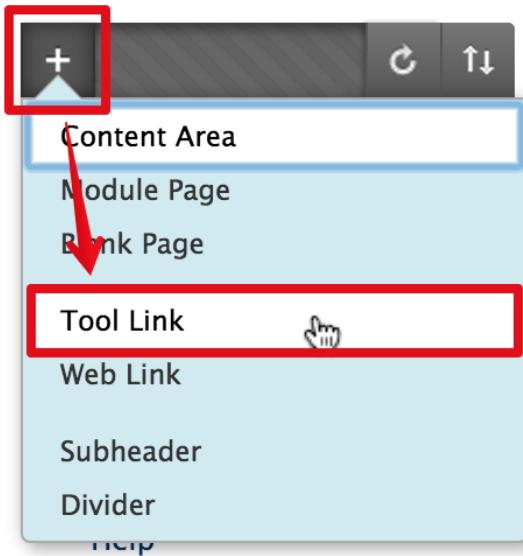
The screenshot shows the Blackboard Learn Administrator Panel. At the top, there is a navigation bar with tabs: My Organization, Courses, Community, Content Collection, Services, and System Admin. The System Admin tab is highlighted with a red box and has a downward arrow pointing to it. Below the navigation bar, the title "Administrator Panel" and "Blackboard Learn+ Release 9.1.140152.0" are displayed. To the right of the title is the Blackboard logo and some system information: "Products: Course Delivery, Community Engagement, Content Management", "Login: Mike Kollen (mike@esynctraining.com)", and "Theme: Bl Learn 2012". The main content area is divided into several sections:

- Users**: Includes links for Users, Customize User Information, Constituencies, System Roles, and Course/Department Roles.
- Courses**: Includes links for Courses, Course Settings (which is highlighted with a red box and has a red arrow pointing to it), Course Catalog, and Move Files to Course Files.
- Help**: Includes links for Blackboard Help for Administrators, Behind the Blackboard™, Local Support Contact, On Demand, and Blackboard Developer Network.
- Cloud Management**: Includes links for Software Updates, Cloud Connector, xpLor Settings, and Partner Cloud Settings.
- Security**: Includes links for SSL Choice, Privileges, Session Fingerprint Settings, Gateway Options, Alternate Domain for Serving Content, Safe HTML Filters, and Input Validation Filter.
- Building Blocks**: Includes links for Data Integration and Authentication.

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

The screenshot shows the 'Course Settings' page. On the right side, there is a section titled 'Course Menu and Structures' with a red border around its title. Below the title, it says 'Define a default Course Menu for new courses and manage the availability of course structures.' To the left of this section are other links: 'Default Course Properties', 'Course Images', and 'Course Menu and 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 a checked 'Available to Users' checkbox. At the bottom are 'Cancel' and 'Submit' buttons.

>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.

The screenshot shows the Blackboard Home screen. A callout box highlights the 'Course Creation Wizard' section. Inside this box, the text 'Create courses using an easy step-by-step wizard approach.' is displayed, followed by a blue link 'Launch the Course Creation Wizard.' which is also highlighted with a red border.

Run through the wizard and create a course.

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

The screenshot shows the Blackboard Courses tab selected. On the left, the 'Course List' section displays courses where the user is an instructor, including 'spanish101: Spanish Course' (highlighted with a red border) and '101: ACP 101'. On the right, the 'Course Catalog' section has a 'Browse Course Catalog' button. A red arrow points from the 'Courses' tab at the top to the 'Course List' section.

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

The screenshot shows the Blackboard Course Home Page for the 'Spanish Course'. The sidebar on the left lists course modules: Home Page, Information, Content, Discussions, Groups, Tools, Help, and Adobe Connect (highlighted with a red border). The main content area shows the 'Home Page' title and an 'Add Course Module' button. Below it are sections for 'My Announcements' (No Courses) and '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 has a red arrow pointing to it from the text above. 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 in the Blackboard administrator panel. The top navigation bar has a "Users" link. Below it is a toolbar with "Create User" (highlighted with a red box) and "Batch Actions". A search bar at the bottom left includes fields for "Search", "Username", "Contains", and a "Go" button. The main content area is currently empty, showing the heading "Users".

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

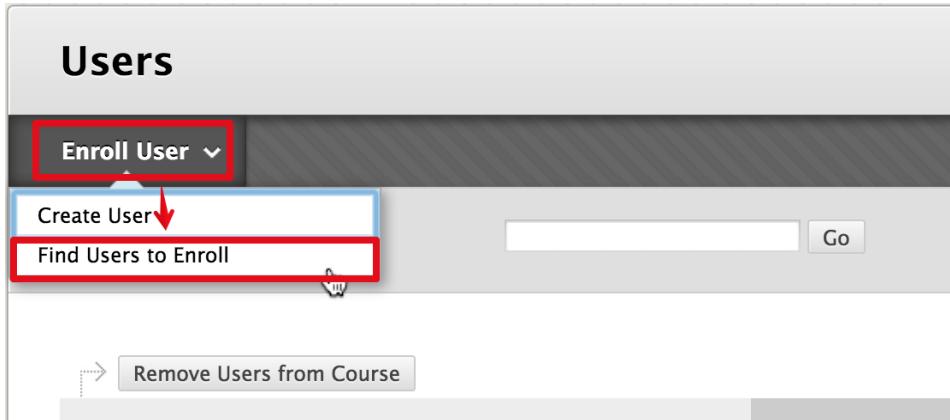
On the *Home* screen navigate to **Courses** tab. Select the required course from the list.

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 course information for the user: "Courses where you are: Instructor" followed by a list of courses. The first 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 has a "Home Page" title and a "Add Course Module" button. Below it are sections for "My Announcements" 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 box highlighting the input field. To the right of the input field is a 'Browse...' button. Further down, there is a 'Role' dropdown menu set to 'Learner'. At the bottom left, there is a note 'Click Submit to proceed. Click Cancel to go back.' On the right side, there are two buttons: 'Cancel' and 'Submit', with a red arrow pointing to the 'Submit' button.

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" on the left and "Course Catalog" on the right. 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 and has a red arrow pointing from the "Courses" tab in the navigation bar to it. Other courses listed include "Instructor: Mike Kollen;" and "101: ACP 101 Instructor: Blackboard Administrator; Mihai3 Escu; Paul Grecu;". 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, there is a sidebar with 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 includes sections for "Add Course Module", "My Announcements" (with a message "No Courses"), and "My Tasks" (with a message "My Tasks:").

Click on the **Add Meeting** button.

Meetings List

The screenshot shows the "Meetings List" page. At the top, there is a "Settings" button. Below it, there is a section titled "Course Meetings" with a message "Currently there are no meetings. Please add." and 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**

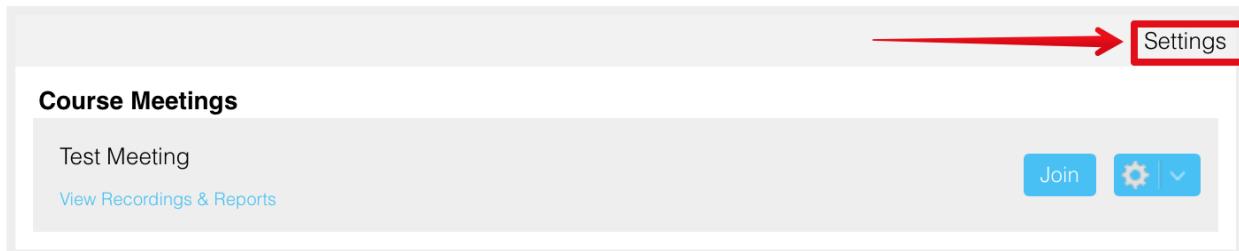
The screenshot shows a web-based application for mapping Blackboard users to Adobe Connect roles. At the top, there are three tabs: 'Meeting Information' (highlighted in blue), 'Participants' (grayed out), and 'Settings'. Below the tabs, there are two main sections: 'Blackboard Available Users (4)' on the left and 'Adobe Connect Participants (4)' on the right. The 'Blackboard Available Users' section contains four entries: 'Student (3)' (Vadim Adashkevich, Melissa Sieben, Kelsea Tower) and 'Teacher (1)' (Mike Kollen). The 'Adobe Connect Participants' section contains four entries: 'Host (1)' (Mike Kollen) and 'Participant (3)' (Vadim Adashkevich, Melissa Sieben, 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) Vadim Adashkevich Melissa Sieben Kelsea Tower	Host (1) Mike Kollen
Teacher (1) Mike Kollen	Participant (3) Vadim Adashkevich Melissa Sieben Kelsea Tower

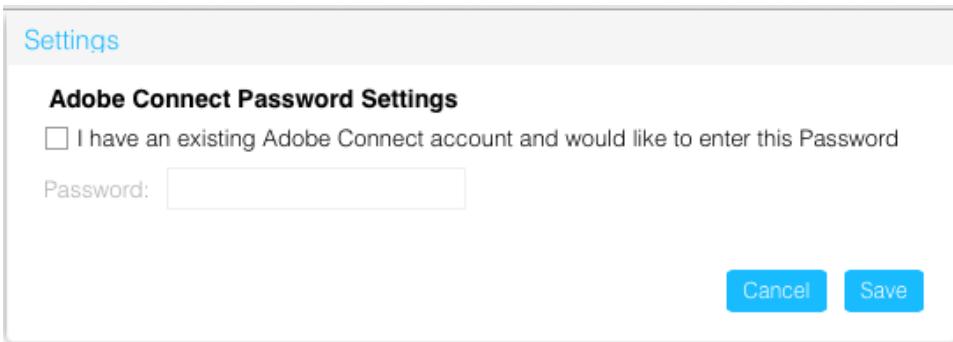
Click on the **Finish** button to complete the process.

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 software interface titled "Meetings List". At the top right is a "Settings" button. Below it is a section titled "Course Meetings" with a red arrow pointing to the title. Underneath is a list item: "Test Meeting" with an exclamation mark icon (indicating an alert), followed by "View Recordings & Reports" and two buttons: "Join" and a gear icon with a dropdown arrow. A red arrow points from the text above to this gear icon.

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

Meetings List

A screenshot of the same software interface as the first one, showing the "Meetings List" and "Course Meetings" section. The "Test Meeting" item is visible. A red arrow points from the text above to the gear icon in the "Edit" row of the dropdown menu. The menu itself is a white box with a thin gray border, containing three options: "Edit" (with a gear icon) and "Delete".

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'. It has three main sections: 'Meeting Information' (selected), 'Participants', and 'Settings'.

The left panel, titled 'Blackboard Available Users (5)', contains:

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

The right panel, titled 'Adobe Connect Participants (4)', contains:

- Host (1): Mike Kollen
- Participant (3):
 - Vadim Adashkevich
 - Melissa Sieben
 - Kelsea Tower

At the bottom, there are buttons for Refresh, Sync Users (highlighted with a red box), Add, Set User Role, and Remove.

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' icon. 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 box. 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 a web-based application interface for managing study group participants. At the top, there are three tabs: "Study Group Information" (highlighted in blue), "Participants" (in grey), and "Settings".

The left panel, titled "Blackboard Available Users (5)", lists users categorized by role:

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

The right panel, titled "Adobe Connect Participants (1)", lists users categorized by role:

- Host (1): Mike Kollen

At the bottom of the interface 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 shows a user interface for managing meetings. At the top right is a 'Settings' link. Below it, under 'Course Meetings', there is a card for a 'Test Meeting' with a 'Join' button and a gear icon. Under 'Office Hours', there is a card for 'Mike Kollen's Office Hours (6pm-8pm)' with a 'Join' button and a gear icon. Under 'Study Groups', there are two cards: 'Test Study Group' and 'Student's Study Group'. The 'Student's Study Group' card includes a 'Join' button and a 'Leave' button, which is highlighted with a red rectangular box. There are also 'View Recordings & Reports' links for each item.

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

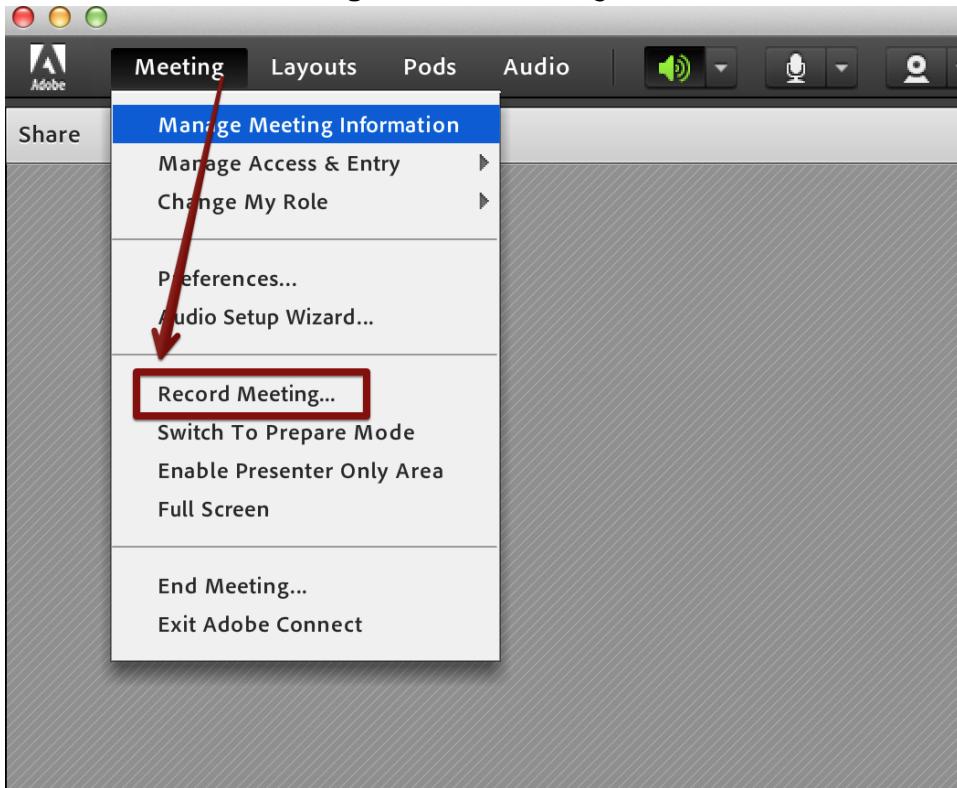
Record the Meeting

Join the meeting.

[Meetings List](#)

The screenshot shows the 'Meetings List' interface. At the top right is a 'Settings' button. Below it, under 'Course Meetings', is a single entry for 'Test Meeting'. To the right of the meeting name are 'Join' and 'Settings' buttons. Below the meeting entry is a link 'View Recordings & Reports'.

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.

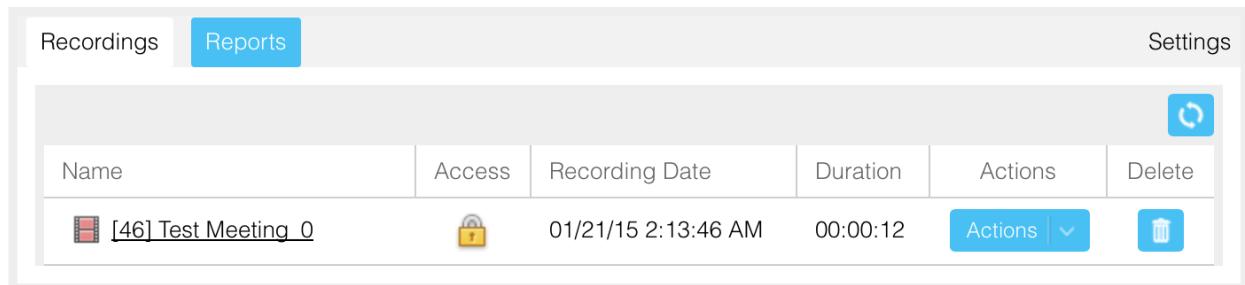
Meetings List



The screenshot shows the 'Meetings List' interface. In the 'Course Meetings' section, there is a meeting titled 'Test Meeting'. Below the meeting title 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' tab selected in the 'Meetings List' interface. The table header includes columns for Name, Access, Recording Date, Duration, Actions, and Delete. A red arrow points to the refresh icon in the top right corner of the table header. A single recording is listed: '[46] Test Meeting_0' (Access: locked, Recording Date: 01/21/15 2:13:46 AM, Duration: 00:00:12). To the right of the recording are 'Actions' and 'Delete' buttons.

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](#)

The screenshot shows the 'Recordings' tab selected in the top navigation bar. A table lists recordings with columns for Name, Access, Recording Date, Duration, Actions, and Delete. A recording titled '[46] Test Meeting_0' is selected, indicated by a blue highlight. An 'Actions' dropdown menu is open next to the recording row, showing options: Edit Recording, Share, and Make FLV. The 'Edit Recording' option is highlighted with a red box.

- 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.

The screenshot shows the 'Edit Recording' dialog box for a recording named '99 [Demo] Demo Meeting_0'. It includes fields for 'Recording URL' (a generated URL), 'Change Access Type' (radio buttons for 'Private' and 'Public'), an optional 'Passcode', and 'Save' and 'Cancel' buttons.

- 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 item 'Test Meeting'. To the right of this item are three buttons: 'Join', a gear icon, and a dropdown arrow. A red arrow points from the text above to the 'View Recordings & Reports' button, 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 of the 'Meetings List'. At the top left are tabs for 'Recordings' (selected) and 'Reports'. At the top right is a 'Settings' icon. Below these, there are two tabs: 'By Attendees' (selected, highlighted with a red box) and 'By Sessions'. A red arrow points from the text above to the 'refresh' icon (a circular arrow) located at the top right of the report table. The table lists student participation details:

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 of the 'Meetings List'. At the top left are tabs for 'Recordings' (selected) and 'Reports'. At the top right is a 'Settings' icon. Below these, there are two tabs: 'By Attendees' and 'By Sessions' (highlighted with a red box). The table below lists session details:

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

EduGameCloud in Adobe Connect

Import Blackboard Test/Survey to EduGameCloud

Navigate to app.edugamecloud.com page and download the latest EduGame Cloud public build from the *Welcome* screen...

The screenshot shows the 'Welcome' screen of the EduGameCloud application within Adobe Connect. The interface is divided into several sections:

- Add New:** Includes links for Quiz/Assessment, Test, Survey, Crossword, and Collaboration Map.
- Open Recent:** Lists recent items: Sergey Test Quiz (04/17/15 01:19 PM), Full Quiz (04/17/15 12:27 PM), Vadims Test (04/17/15 12:27 PM), Lesson 23 Student Practice quiz EGC (04/16/15 01:02 PM), and Practice quiz Lesson 22 EGC (04/16/15 01:02 PM).
- Help:** Provides links to QuizAssessment Reports, Video Tutorials, Documentation, and Support.
- View Reports:** Lists reports: Sergey Test Quiz (04/17/15 01:19 PM), Lesson 23 Student Practice quiz EGC (04/17/15 12:32 PM), and Full Quiz (04/17/15 12:32 PM).
- Advertisement:** A large graphic of a rocket launching, with the text "Watch Guided Tour" below it.
- Feedback:** A message at the bottom left: "Please provide us your feedback or suggestions by clicking here".
- Action Buttons:** A "Start Here" button at the bottom right.

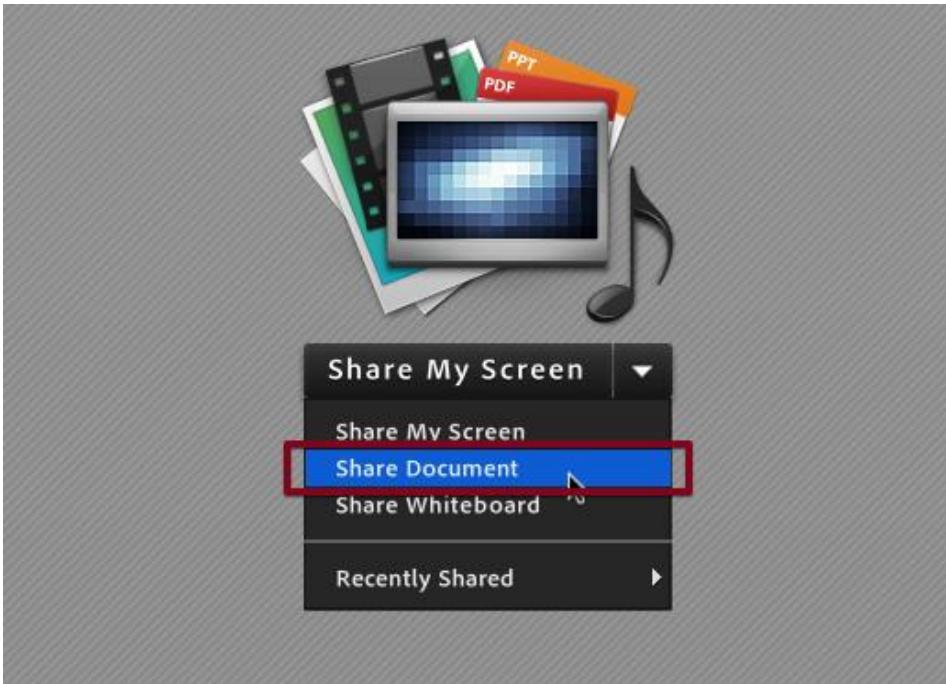
... or *Home* screen:

The screenshot shows the 'Home' screen of the EduGameCloud application within Adobe Connect. The interface includes:

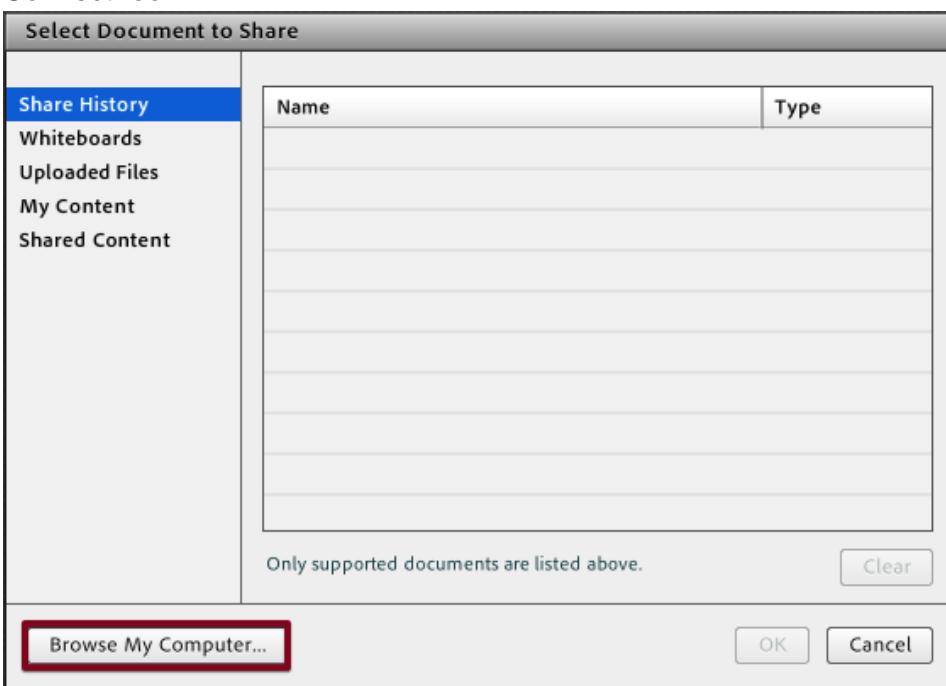
- A top navigation bar with "Welcome, Demo Esync Admin", a Help link, and a Logout button.
- A green header bar with "Administration" and "Adobe Connect Apps" buttons.
- A central panel titled "EduGame Cloud" featuring a "Get Custom Pod v1.5" button.
- A table showing two entries:

	02/25/15 01:45 PM	
	02/25/15 01:48 PM	

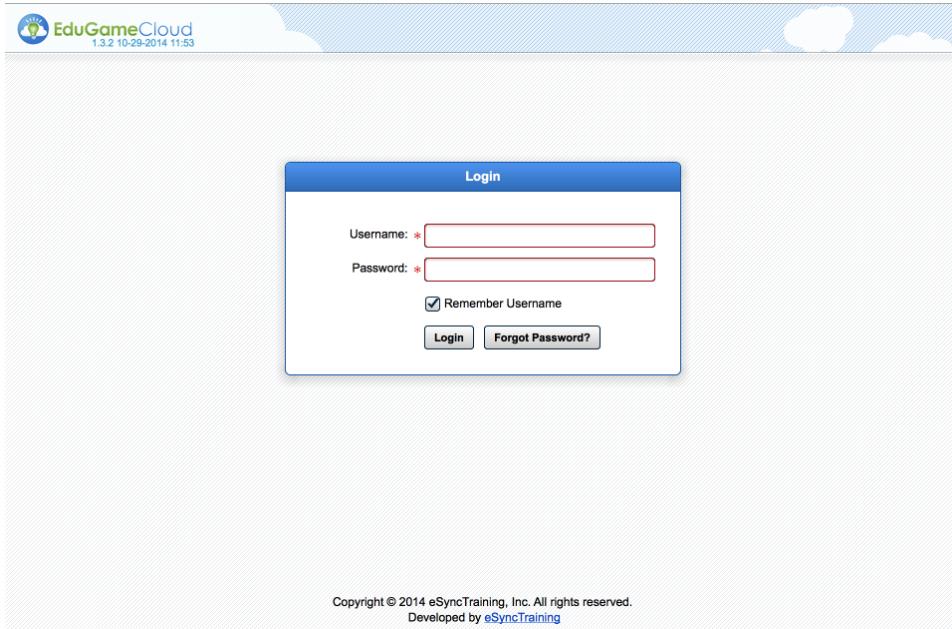
Navigate to Adobe Connect room and select the **Share Document** option from the *Share* drop-down menu.



Click on **Browse My Computer** button, select the appropriate file and upload the build to Adobe Connect room.



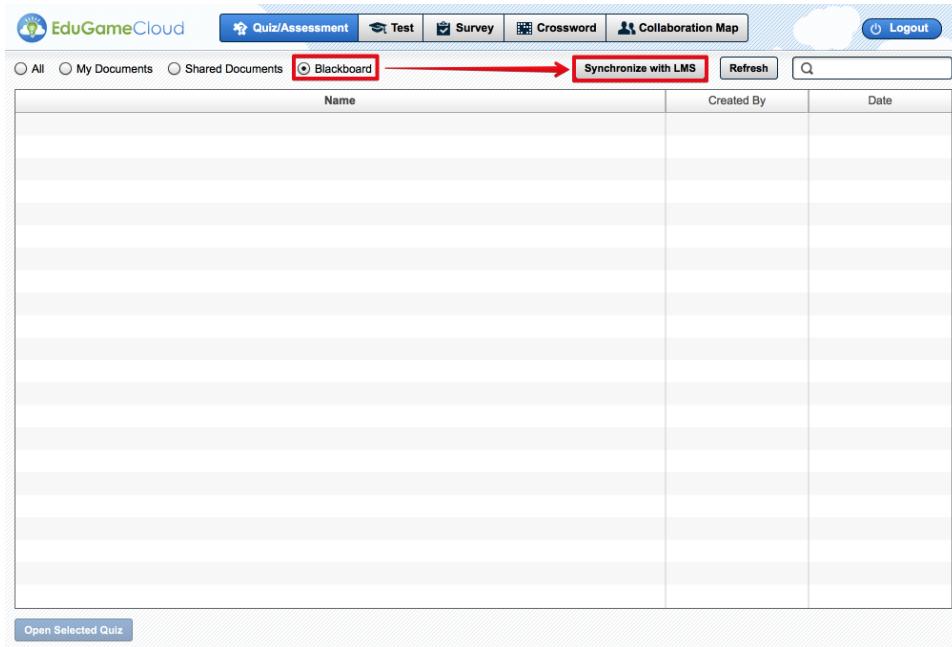
Once the build is successfully uploaded, enter valid EduGameCloud credentials.



The screenshot shows the EduGameCloud login interface. At the top left is the logo and version information: "EduGameCloud 1.3.2 10-29-2014 11:53". Below it is a blue header bar with the word "Login". The main area contains fields for "Username" and "Password", both marked with an asterisk (*) and enclosed in red-bordered boxes. There is also a checked checkbox for "Remember Username". At the bottom are two buttons: "Login" and "Forgot Password?".

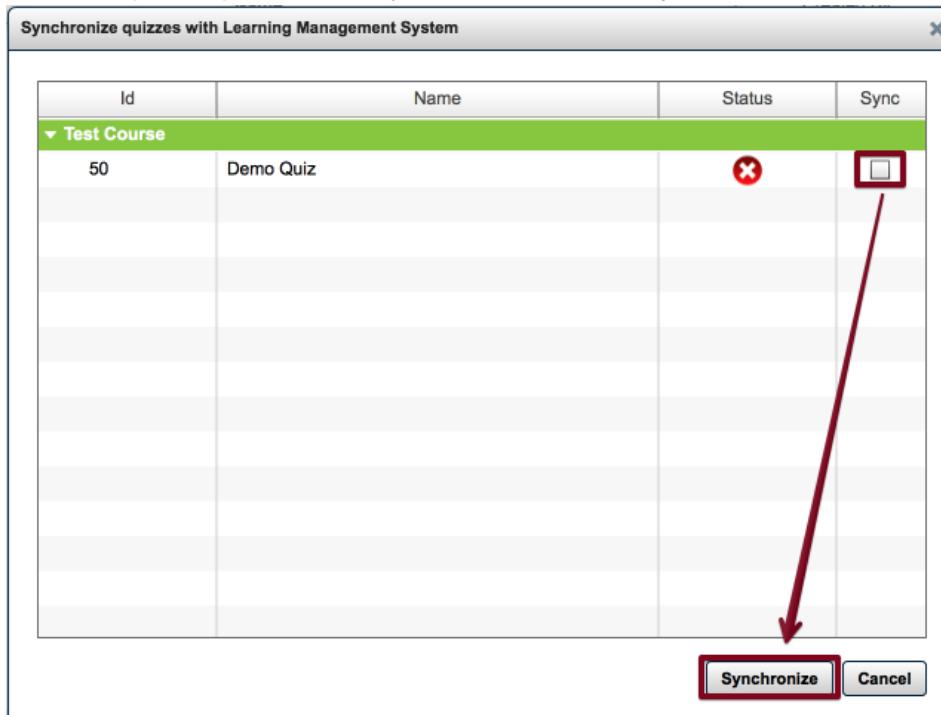
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Developed by [eSyncTraining](#)

Navigate to **Quiz/Assessment** or **Survey** tab and select the **Blackboard** radio-button and click on the **Synchronize with LMS** button.

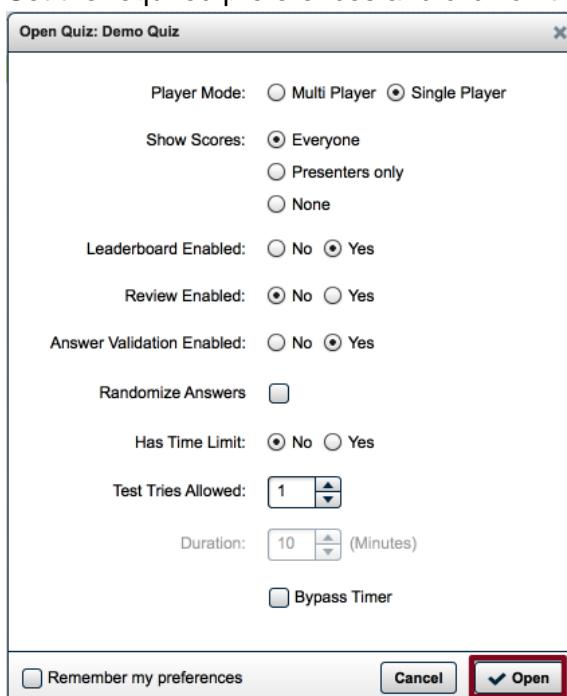


The screenshot shows the EduGameCloud document management interface. At the top, there is a navigation bar with links for "Quiz/Assessment", "Test", "Survey", "Crossword", "Collaboration Map", and "Logout". Below the navigation bar, there are three radio buttons: "All", "My Documents", and "Shared Documents", with "All" selected. Next to them is a radio button for "Blackboard", which is highlighted with a red box and has a red arrow pointing to the "Synchronize with LMS" button, also highlighted with a red box. Below the radio buttons is a search bar with a magnifying glass icon. The main area is a table with columns for "Name", "Created By", and "Date". At the bottom left is a blue button labeled "Open Selected Quiz".

Select required quizzes/surveys and click on the **Synchronize** button.



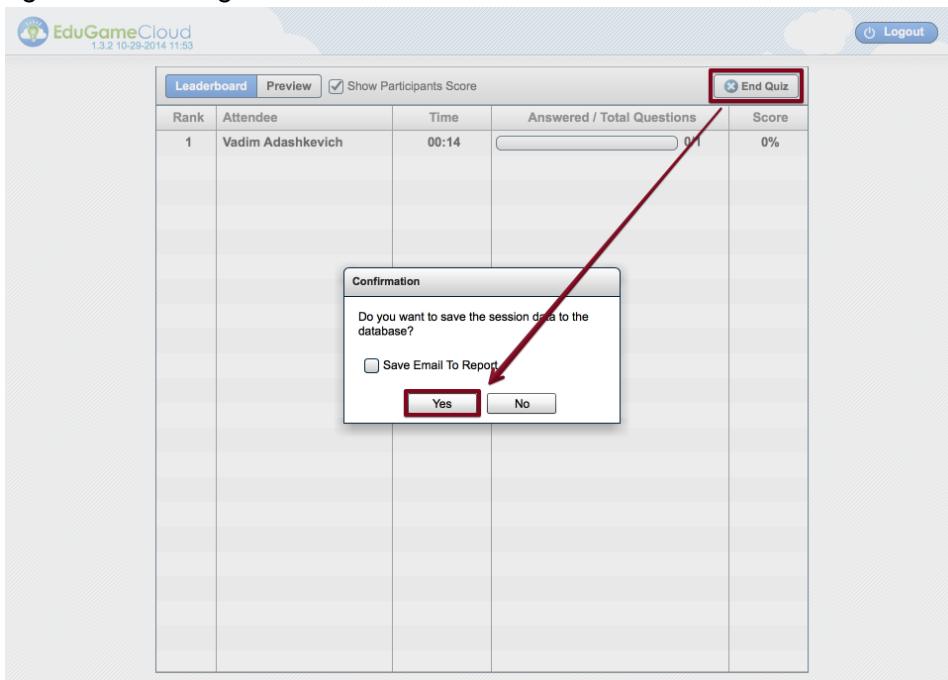
Synchronized quizzes/surveys should appear under the *Blackboard* list in EduGameCloud.
Select any quiz/survey and click on the **Open Selected Quiz/Survey** button.
Set the required preferences and click on the **Open** button



All participants should now see the quiz/survey.

View the Quiz/Survey Results in Blackboard

When all the participants have completed the Quiz/Survey click on **End Quiz/Survey** button and agree with saving the results to the database.



In Blackboard go to Course Navigation and click on the **Full Results Center** link.

The screenshot shows the 'COURSE MANAGEMENT' navigation menu. Under 'Control Panel', 'Content Collection' and 'Evaluation' are listed. Under 'Results Center', 'Needs Evaluation' is listed above 'Full Results Center', which is highlighted with a red box. Below 'Full Results Center' are 'Exercises' and 'Tests'. Under 'Users and Groups', there is a single item.

Observe the participants' scores.

Blackboard Account Administrator Guide

EduGame Cloud Administration

Configure LMS License in EduGame Cloud

Navigate to app.edugamecloud.com and login using your Admin credentials.
Click on the **LMS Integration** link on the *Welcome* screen.

The screenshot shows the EduGame Cloud interface. On the left, there's a sidebar with links like 'Add New' (Quiz/Assessment, Test, Survey, Crossword, Collaboration Map), 'Administration' (LMS Integration - highlighted with a red box, Users), and 'Adobe Connect Apps' (Get Custom Pod v1.5). The main area has sections for 'Open Recent' (Sergey Test Quiz, Full Quiz, Vadims Test, Lesson 23 Student Practice quiz EGC, Practice quiz Lesson 22 EGC) and 'View Reports'. A large graphic of a rocket launching is in the background. At the bottom, there's a feedback link ('Please provide us your feedback or suggestions by clicking here') and a 'Start Here' button.

Click on **Edit** icon next to required LMS license in the list.

The screenshot shows the EduGameCloud administration interface. The top navigation bar includes 'EduGameCloud', 'Welcome, Demo Admin', 'Help', 'Logout', and tabs for 'Administration' and 'Adobe Connect Apps'. Below the navigation is a sub-navigation bar with 'LMS Integration' (selected and highlighted in blue), 'Users', 'Customization', 'Email History', and 'My License'. A 'Change Password' link is also present. The main content area is a table showing LMS integration details:

Edit	LMS	Title	Creation Date	Consumer Key	Shared Secret
		Demo Title	04/24/15 10:00 AM	520befa1- XXXXXXXXXX	8acf12d6- XXXXXXXXXX

On the *General* tab admin user can edit the *Adobe Connect Server* and *credentials*, select the *Primary Color* for Adobe Connect LTI and view the *User/Admin Guide*.

Edit LMS Support

General Settings User/Admin Guide

LMS Setup

LMS: [dropdown] Primary Color: [color picker] (highlighted with a red box)

Title: Demo Title

Consumer Key: 520befa1-[redacted]

Shared Secret: 8acf12d6-[redacted]

Adobe Connect

Adobe Connect Server: http://connect.company.com/ (highlighted with a red box)

Admin Username: admin

Password: Enter the password, if you want to overwrite it

Use Shared Meetings Folder

Use User Meetings Folder

LMS

Test Connection

Learning Management System

LMS Domain: http://

Admin Username:

Password: Enter the password, if you want to overwrite it

Test Connection

Cancel Save

The screenshot shows a software interface titled 'Edit LMS Support'. At the top, there are three tabs: 'General' (selected), 'Settings', and 'User/Admin Guide'. The main area is divided into sections: 'LMS Setup', 'Adobe Connect', and 'Learning Management System'. In the 'LMS Setup' section, fields include 'LMS' (a dropdown menu), 'Title' (Demo Title), 'Consumer Key' (520befa1-[redacted]), and 'Shared Secret' (8acf12d6-[redacted]). The 'Adobe Connect' section contains 'Adobe Connect Server' (http://connect.company.com/), 'Admin Username' (admin), 'Password' (Enter the password, if you want to overwrite it), and two radio button options: 'Use Shared Meetings Folder' (selected) and 'Use User Meetings Folder'. Below these are 'LMS' and a 'Test Connection' button. The 'Learning Management System' section includes 'LMS Domain' (http://), 'Admin Username', 'Password' (Enter the password, if you want to overwrite it), and a 'Test Connection' button. A red box highlights the 'Adobe Connect' section. At the bottom right are 'Cancel' and 'Save' buttons.

On the *Settings* tab admin user can adjust the following settings:

Edit LMS Support

General Settings

Meetings

Course Meetings: Yes

Office Hours: Yes

Study Groups: Yes

Options:

Edit Meetings [?](#)

Delete Meetings [?](#)

Meeting Title: Prefix [?](#) Custom [?](#)

User Management

Adobe Connect

Allow User Creation: True [?](#) False [?](#)

Adobe Connect Authentication

Type: Email [?](#) Username [?](#)

URL Session Token: Show [?](#) Hide [?](#)

Links

Settings [?](#) User Guide [?](#) Edugame Cloud [?](#)

Cancel Save

Course Meetings

Allow teachers to create course meetings

Office Hours

Allow teachers to create office hours that can be reused across multiple courses

Study Groups

Allow all participants to create study group Adobe Connect meetings. This user has similar privileges as an instructor in managing their study group

Edit Meetings

Allow teachers to edit the meetings

Delete Meetings

Allow teachers to delete the meetings

Meeting Title

Prefixed

Prefix LMS Course ID to custom meeting name to guarantee the uniqueness of the name

Custom

Use custom meeting name (Name duplication is not allowed: Please be careful)

Allow User Creation

True

Create a new Adobe Connect user when synchronizing with the active LMS course roster

False

Do not create new Adobe Connect users. Notify teachers that user does not exist in Adobe Connect and needs to be created manually

Adobe Connect Authentication Type

Email

Course participants should be authenticated first by email address and if the email address does not exist then try to use the username

Username

Course participants should be authenticated first by username and if the username does not exist then try to use the email address

URL Session Token

Show

Show Session Token in the URL when joining the Adobe Connect room. This is less secure, but does not require cookies to be enabled

Hide

Hide Session Token in the URL when joining the Adobe Connect room. This is more secure, but requires cookies to be enabled

Settings

Allow all course attendees to use their own passwords to enter the Adobe Connect room

User Guide

Show LMS user guide link. Shown for teachers only

EduGame Cloud

Show EduGame Cloud user guide link

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 and has a dropdown arrow pointing down from it. Below the navigation bar, there is a header section with the Blackboard logo and 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 large, empty rectangular boxes. The middle section contains a 'Security' panel 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' panel with links: Data Integration, Authentication, Building Blocks (which is highlighted with a red box and has a red arrow pointing to it), and Web Services.

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. Other options in the menu include 'Edit', 'Usage Report', 'Approve', 'Exclude', and 'Delete'. Arrows point from the text 'Manage Placements' in the first paragraph to the 'Manage Placements' option in the context menu.

Domain	Status	Credentials	Server
app.edugamecloud.com	Approved	Site	Cloud
dev.edugamecloud.com		Site	Cloud
dotnet.esynctraining.com		Site	Cloud
mindomo.com		Site	Cloud

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. Arrows point from the text 'Create Placement' in the first paragraph to the 'Create Placement' button in the screenshot.

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	<input type="text"/>
* Tool Provider Key	63fba6c7-6062-41f9
* Tool Provider Secret	776f21b6-7e9e-4f77
Tool Provider Custom Parameters	<input type="text"/>

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 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 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); Theme: Bb Learn 2012. The main content area is divided into sections. The first section, titled "Security", contains links: 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: Data Integration, Authentication, Building Blocks, and Web Services. A large red arrow points from the text "Click on the Web services link." in the instructions to the "Web Services" link in the "Building Blocks" section of the interface.

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	Make Available	WSDL Location	Available	SSL Required	Discoverable	Logging
<input checked="" type="checkbox"/>	Calendar.WS	Make Unavailable	http://blackboard.advantageconnectpro.com/webapps/ws/services/Announcement.WS?wsdl	Yes	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

Displaying 1 to 10 of 10 items | [Show All](#) | [Edit Paging...](#)

The screenshot shows the 'Web Services' management interface. A red box highlights the context menu for the 'Announcement.WS' service, specifically the 'Make Available' option. A red arrow points from this menu item to the 'Available' column in the table, indicating that selecting this option will change the service's availability status. The table lists ten web services, each with its WSDL location, availability status, SSL requirement, discoverability, and logging settings. The 'User.WS' service is also highlighted with a red box and arrow.

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 tabs: My Organization, Courses, Community, Content Collection, Services, and System Admin. The System Admin tab is highlighted with a red box. In the center, there is a header area with the Blackboard logo and text: Products: Course Delivery, Community Engagement, Content Management, Login: Mike Kollen (mike@esynctraining.com), and Theme: Bb Learn 2012. Below this, there are two main sections: Security and Building Blocks. The Security section contains links for SSL Choice, Privileges, Session Fingerprint Settings, Gateway Options, Alternate Domain for Serving Content, Safe HTML Filters, and Input Validation Filter. The Building Blocks section contains 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 Building Blocks section.

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 listed in the available tools list.

★ 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 is a sub-menu with My License, Users, Email History, and LMS History. The LMS History link is also highlighted with a red box. A red arrow points from the LMS History link down to the table below. The table has columns: Edit, LMS, Title, Creation Date, Consumer Key, and Shared Secret. A row is shown for 'blackboard' with 'Blackboard' in the Title column and a long consumer key in the Consumer Key column. A red box highlights the 'Edit' icon in the first column of this row.

Edit	LMS	Title	Creation Date	Consumer Key	Shared Secret
	blackboard	Blackboard	02/04/15 09:00 AM	c7369487-0378-4686-b748-380a96a51d872ed7d870-5781-4c25-8058-044e3d65e8c6	

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 are 'Test Connection' and 'Save' buttons. In the 'Customization' section, there are several checkboxes: Primary Color (selected), Delete Meetings (selected), Edit Meetings (selected), Settings Visible (selected), LMS Help (selected), EGC Help (selected), Course Meetings (selected), Office Hours (selected), and Study Groups (unchecked). At the bottom right are 'Cancel' and 'Save' buttons.

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, products 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 empty boxes. The middle section contains a 'Security' block 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' block 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' block.

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 used to share configuration across multiple hosts.

* 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 across.

* 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 two buttons: 'Approve' and 'Exclude'. A table lists provider domains with columns for 'Domain', 'Status', 'Credentials', and 'Server'. The first row, for 'app.edugamecloud.com', is selected and has a yellow background. A context menu is open over this row, with the 'Manage Placements' option highlighted. Other options in the menu include 'Edit', 'Usage Report', 'Approve', 'Exclude', and 'Delete'. The 'Manage Placements' option is enclosed in a red box.

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

* Tool Provider Secret

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. 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 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 large red arrow points from the text "Click on the Building Blocks link." in the instructions to the "Building Blocks" link in the right-hand column.

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" (highlighted with a red box) and "Register Proxy Tool". Below the buttons is a small toolbar with icons for "New", "Delete", and "Edit".

Proxy Tools

Manage Global Properties Register Proxy Tool ▾

New Delete Edit

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 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 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. The "Web Services" link is highlighted with a red box.

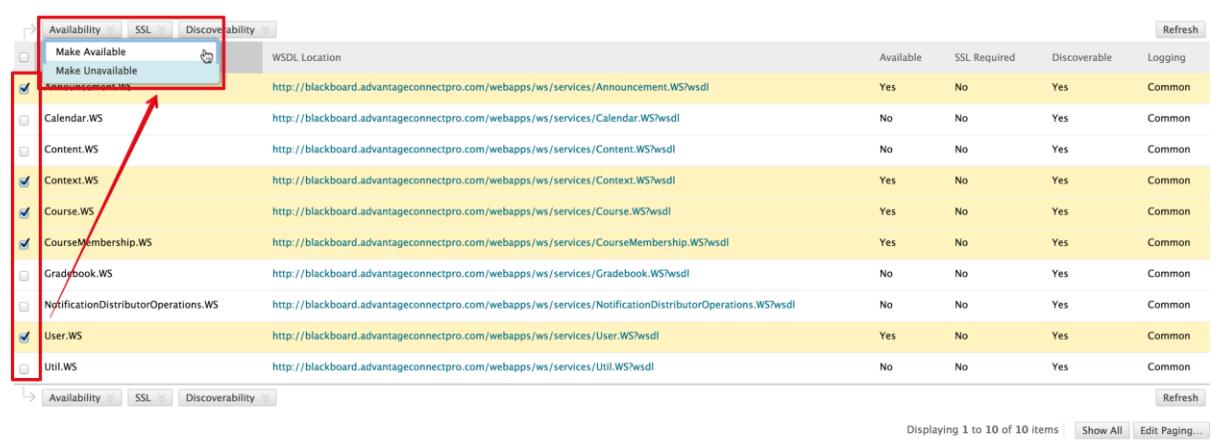
Select the following web services and make them available:

- 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 checked="" 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 type="checkbox"/>	Calendar.WS	WSDL Location http://blackboard.advantageconnectpro.com/webapps/ws/services/Calendar.WS?wsdl	No	No	Yes	Common
<input type="checkbox"/>	Content.WS	WSDL Location http://blackboard.advantageconnectpro.com/webapps/ws/services/Content.WS?wsdl	No	No	Yes	Common
<input checked="" type="checkbox"/>	Context.WS	WSDL Location http://blackboard.advantageconnectpro.com/webapps/ws/services/Context.WS?wsdl	Yes	No	Yes	Common
<input checked="" type="checkbox"/>	Course.WS	WSDL Location http://blackboard.advantageconnectpro.com/webapps/ws/services/Course.WS?wsdl	Yes	No	Yes	Common
<input checked="" type="checkbox"/>	CourseMembership.WS	WSDL Location http://blackboard.advantageconnectpro.com/webapps/ws/services/CourseMembership.WS?wsdl	Yes	No	Yes	Common
<input type="checkbox"/>	Gradebook.WS	WSDL Location http://blackboard.advantageconnectpro.com/webapps/ws/services/Gradebook.WS?wsdl	No	No	Yes	Common
<input type="checkbox"/>	NotificationDistributorOperations.WS	WSDL Location http://blackboard.advantageconnectpro.com/webapps/ws/services/NotificationDistributorOperations.WS?wsdl	No	No	Yes	Common
<input checked="" type="checkbox"/>	User.WS	WSDL Location http://blackboard.advantageconnectpro.com/webapps/ws/services/User.WS?wsdl	Yes	No	Yes	Common
<input type="checkbox"/>	Util.WS	WSDL Location http://blackboard.advantageconnectpro.com/webapps/ws/services/Util.WS?wsdl	No	No	Yes	Common

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