

1. Installation Overview

1 Overview of Installation

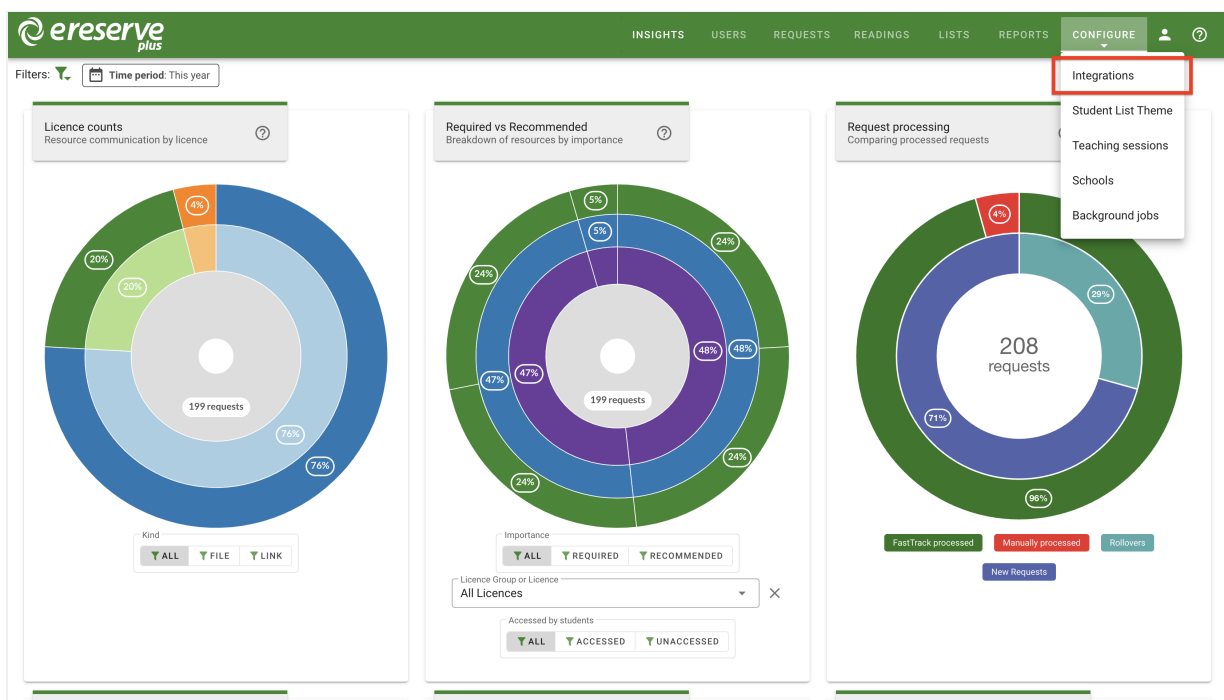
Installation of the eReserve Plus LTI Tool starts in the eReserve Plus Configuration console. Following are the steps necessary to complete the installation.

1.1 Integration Record Creation

Creation of new integration records is done within the eReserve Plus Admin interface. You will need access to this interface to complete this step of the setup. If you do not have access then please contact the eReserve Support Team.

Each integration record contains the details for authentication (a key and a secret) and, once activated it will contain details of the LMS Instance once it has been activated.

Login to eReserve then navigate to Configure > Integrations.



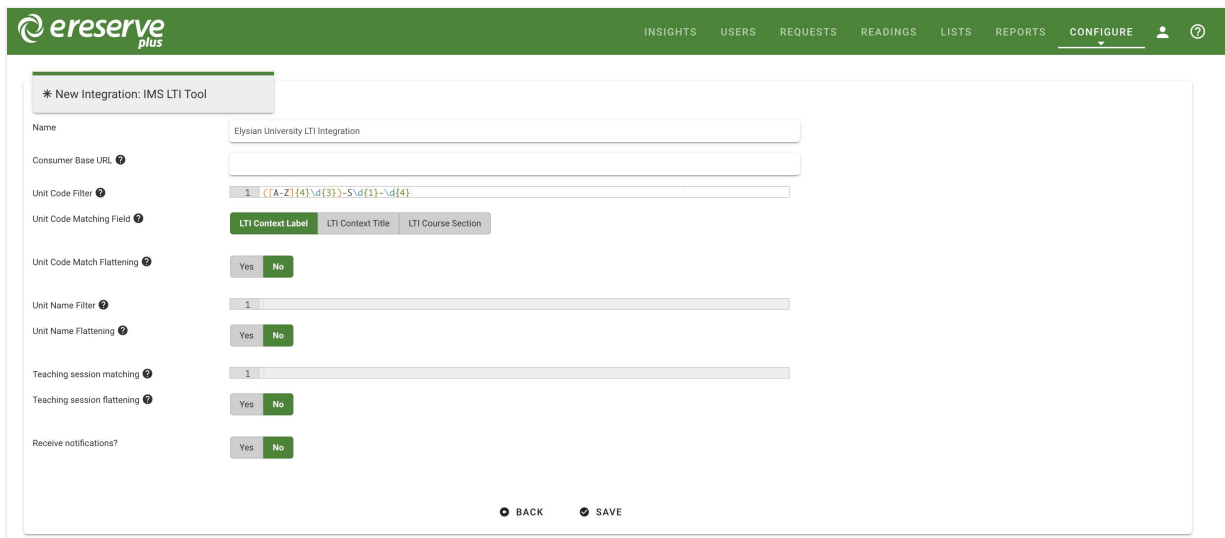
configure-integrations

Once you have navigated to Integrations, you will see the interface pictured below.

(blank intergration screenshot needs to be added or wording above needs to be adjusted)

To start the creation process click on the New integrations for dropdown button then select IMS LTI Tool.

You'll then be presented with the form below. All you need to do is enter a name for your integration then click on the Save button. You'll notice that a key and secret have been automatically created for you. Take note of these, we'll be using them when we head over to your LMS to do the next step.



The screenshot shows the 'New Integration: IMS LTI Tool' form in the eReserve Plus system. The form is titled '* New Integration: IMS LTI Tool' and is set against a green header with the eReserve Plus logo and navigation links (INSIGHTS, USERS, REQUESTS, READINGS, LISTS, REPORTS, CONFIGURE). The form fields include:

- Name: Elysian University LTI Integration
- Consumer Base URL: (empty)
- Unit Code Filter: 1
- Unit Code Matching Field: LTI Context Label (selected), LTI Context Title, LTI Course Section
- Unit Code Match Flattening: Yes (selected), No
- Unit Name Filter: 1
- Unit Name Flattening: Yes (selected), No
- Teaching session matching: 1
- Teaching session flattening: Yes (selected), No
- Receive notifications?: Yes (selected), No

At the bottom of the form, there are 'BACK' and 'SAVE' buttons.

completed-ims-lti-tool

At this point it's important to note that each instance of your LMS will need its own integration record created in eReserve. So if you have 3 instances of your LMS you'll have 3 integration records in eReserve. Once an integration record has been activated it can only be used with the LMS instance that it was activated from. So using those credentials for another LMS Instance will fail.

1.2 Installation in your LMS

Each LMS that supports IMS LTI 1.1+ has its own specific installation requirements. With this in mind we've created instructions for each LMS that we support. These can be found in section 3 of this document onwards.

1.3 Reading list access management

Every user from your LMS has a role as defined in the LTI standard (see [LTI Role Vocabularies](#)). The role is passed to eReserve Plus at the time a user accesses their Reading List in eReserve Plus. Subsequently this role is then used to dictate what features the user has access to in the reading list. Currently there are two access levels defined in eReserve Plus: Student and Academic. The Student role provides read only access to the Reading List whereas the Academic access provides a fully featured reading list management interface. You can manage this access simply by editing your LTI Integration record once it has been activated through the eReserve Plus Integration Management. Once you've started editing your LTI integration, you will see a LTI Role Access console to manage like the image below.

🔍 Edit Integration: Moodle LTI Integration

Name: Moodle LTI Integration

Consumer Base URL:

Unit Code Filter: 1

Unit Code Matching Field: **LTI Context Label** | LTI Context Title | LTI Course Section

Unit Code Match Flattening: Yes No

Unit Name Filter: 1

Unit Name Flattening: Yes No

Teaching session matching: 1

Teaching session flattening: Yes No

Receive notifications?: Yes No

Kind: IMS LTI Tool

Key: 2024010877115

Secret: de7f260821054bba960770ded34e9c3

LTI Role Access

Name	Role	Access Level	
Academic	Instructor	Academic	<input type="button" value="🔍"/>
Student	Learner	Student	<input type="button" value="🔍"/>
Unknown	urn:lti:sysrole:ims/lis/Administrator	NOT SET	<input type="button" value="🔍"/>
Unknown	urn:lti:instrole:ims/lis/Administrator	NOT SET	<input type="button" value="🔍"/>

LMS Name: New Site (GUID: 13ba9f6da79970487064e048600ae1eb)

LMS Software: moodle (version: 2022112811)

IMS LTI Version: LTI-1p0

Activated: Yes

⬅️ BACK ➡️ UPDATE

moodle-lti-integration

You'll note the list of LTI roles with their associated access level. Rows that are green have had their access level set and those that are red have not. To set or change the access level it's just a matter of clicking on the edit button. Once clicked you'll see the form below.

Edit reading list access

Role: Instructor

Name:

Access level:

SAVE CLOSE

edit-reading-list-access

Change the name as needed and select an appropriate access level then click on the save button and you're done. This will be updated immediately and end users will see the change.

The first time an LTI role attempts to access eReserve Plus, the role will be made available in red as per the screenshot above until the Role is mapped in eReserve Plus to a Student or Academic; at which time it which will become green (authorised). If there are Roles in your LTI which have not become available in eReserve then login using the LMS using the appropriate role and select the Reading List activity to initiate the first access of eReserve Plus.

1.4 Reading lists, course codes and course names

When displaying the Reading Lists eReserve Plus will use the course code from your LMS to know which Reading Lists to display. For a lot of Institutions the course code will change each time it is offered. For example, a course code for one offering may be CS101_S2_2014 and the next offering the course code may be CS101_S1_2015. There are commonalities, however they are unique to the offering of the course and will mean that eReserve Plus will not have any historical lists for the new code. This is solved in eReserve Plus through its course code filtering.

1.4.0 Course Code Prefix

In very special circumstances a prefix can be added to all course codes connecting from the integration. If utilised all course codes originating from the integration will have the prefix added and all course code filters will have to be setup based on the prefixed course code.

1.4.1 Course code filter

To map a newly created offering to a base code, eReserve Plus has a filtering mechanism that allows you to match the new offering to the base course code (e.g. CS101 in the example above). To set the filtering simply edit the associated integration record in the Intergration Management interface and complete the Course Code Filter field. To create a filter you will need to provide a **Regular Expression**. You can use tools like **Rublar** to test your regular expressions before applying them to your integration record.

NB: It's important that this course code filter is correct otherwise it will lead to incorrect display of Reading Lists. If you are not comfortable with creating a regular expression then please contact the eReserve support team.

1.4.2 Course code filter - Multiple Matching Groups

LTI1.3 integrations support additional flexibility in course code filters. The Multiple Matching Groups switch allows the supplied regular expression to match more than one part of the course code and course name.

Multiple Matching Groups ?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Unit Code Filter ?	1 <input type="text" value="([A-Z]{4}\d{3})-S\d{1}-\d{4}"/>

1.4.3 Course code matching field

The majority of Learning Management Systems will send the Course Code via the LTI Context Label and the Course Description will be in the LTI Context Title. If the Base Code is only available within the Course Description this option sets which LTI field is processed by the Course Code Filter.

1.4.4 Course code matching field - Multiple Matching Fields

LTI1.3 integrations allow you to select which fields the course code filter is applied to, and can match on multiple fields. Check the boxes for each field that the Course Code Filter regular expression will be applied to.

The combined course code fields are joined together using `~~`, before the regular expression is applied. e.g:

```
LABEL~~TITLE  
BMKG201~~Marketing
```

Unit Code Filter ?	1	<code>([A-Z]{4}\d{3})-S\d{1}-\d{4}</code>
Unit Code Matching Field ?	<input checked="" type="checkbox"/>	LTI context label
	<input type="checkbox"/>	LTI context title
	<input type="checkbox"/>	LTI Course Offering

1.4.5 Course code match flattening

If set to yes all text captured by the regex is joined together in the resulting Base Code.

1.4.6 Example course code filter

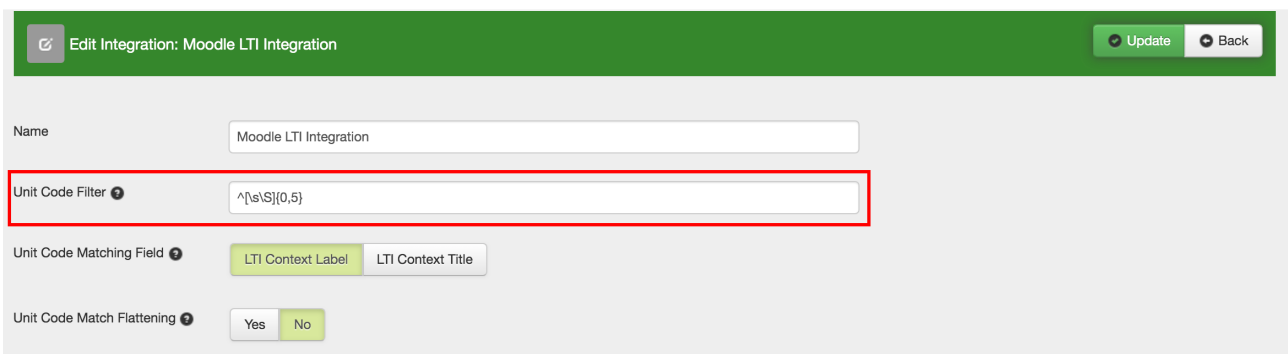
This example is based on a course code with the format below.

```
<base_code>_<teaching_period>_<year>
```

We'll be using the following course code samples for testing Rublar: CS101_S2_2-14 and CS101_S1_2015. Below is a test of the regular expression created for filtering.



As you can see our regular expression (i.e. `^[\s\S]{0,5}`) has matched the `base_code` and we can now apply it to our integration record simply by entering it in the Course Code Filter field then saving the integration record. So every time the course is offered eReserve Plus will only look at the `base_code` when choosing a reading list to display.



1.4.7 Course name filter

The LTI Course Name Filter allows unnecessary detail and other content about the course to be removed from the course name displayed within eReserve Plus.

When utilised the LTI Course Name filter allows the display of course long names to be modified to fit the display requirements of the reading list within eReserve Plus. Long

course names can be modified to better fit the layout, course code and reading list display within the eReserve Plus interface.

1.4.8 Course name match flattening

In the same manner as the Course Code Filter if set to yes all text captured by the regex is joined together in the resulting course name.

1.4.9 Example course name filter

The Course Name Filter can be designed to remove the Course Code and Time Period from the Course Name. The matched string for the Course Name would be Civil and Criminal Procedure.

```
^\s\S]{0,5} ([^-]*) - .*20\d\d$
```

When eReserve receives the LTI handshake from the LMS, it will receive the string CS101 Introduction to Computational Theory - Semester One 2015, however it will only store and display Introduction to Computational Theory.

The screenshot shows the 'Edit Integration: Moodle LTI Integration' configuration page. The 'Unit Name Filter' field is highlighted with a red box and contains the regex: `^\s\S]{0,5} ([^-]*) - .*20\d\d$`. Other fields include 'Name' (Moodle LTI Integration), 'Unit Code Filter' (`^\s\S]{0,5}`), 'Unit Code Matching Field' (LTI Context Label, LTI Context Title), 'Unit Code Match Flattening' (Yes, No), 'Unit Name Flattening' (Yes, No), and 'Receive notifications?' (Yes, No). The page has a navigation bar with 'Home', 'Users', 'Requests', 'Readings', 'Lists', 'Reports', 'Configure', 'Help', 'Edit account', and 'Logout'. There are 'Update' and 'Back' buttons in the top right corner.

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2. Blackboard Integration

Throughout this section of the document are the details on getting your Blackboard Learn instance connected to eReserve Plus using LTI 1.3 and using Resource Linking or Deep Linking. Should you have any questions then please contact the eReserve Support Team at support@ereserve.com.au

2.1 Requirements

The eReserve Plus LTI Tool is regularly tested with the Blackboard Learn SaaS releases supported by Blackboard. It is important to note that we will only be testing against the Blackboard Learn SaaS.

It is also required that a ClientID has also been received from the eReserve Team. If you have not received the ID yet, please contact the eReserve Plus support team.

Blackboard Learn can only have one LTI Tool per domain so if there is an LTI 1.1 Tool configured for eReserve Plus then that will be required to be deleted prior to configuring an LTI 1.3 Tool

2.2 LTI Tool Providers

In the Admin Panel for Blackboard, select LTI Tool Providers under Integrations, then select Register LTI 1.3/Advantage Tool.

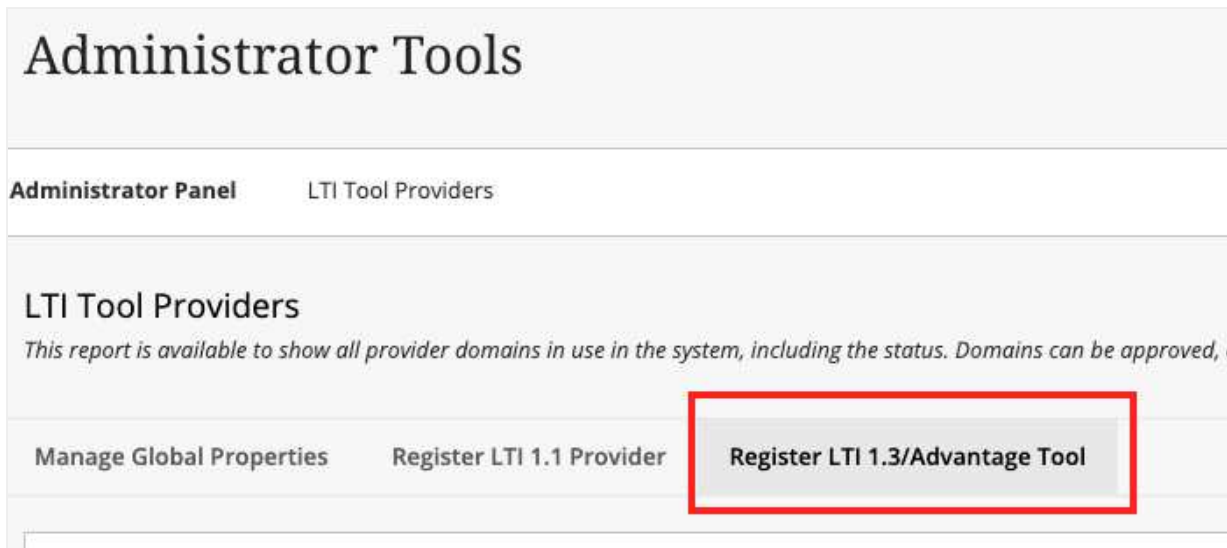


Figure 1: Register LTI 1.3/Advantage Tool

From there, you can enter in the ClientID that has been provided by the eReserve Team.

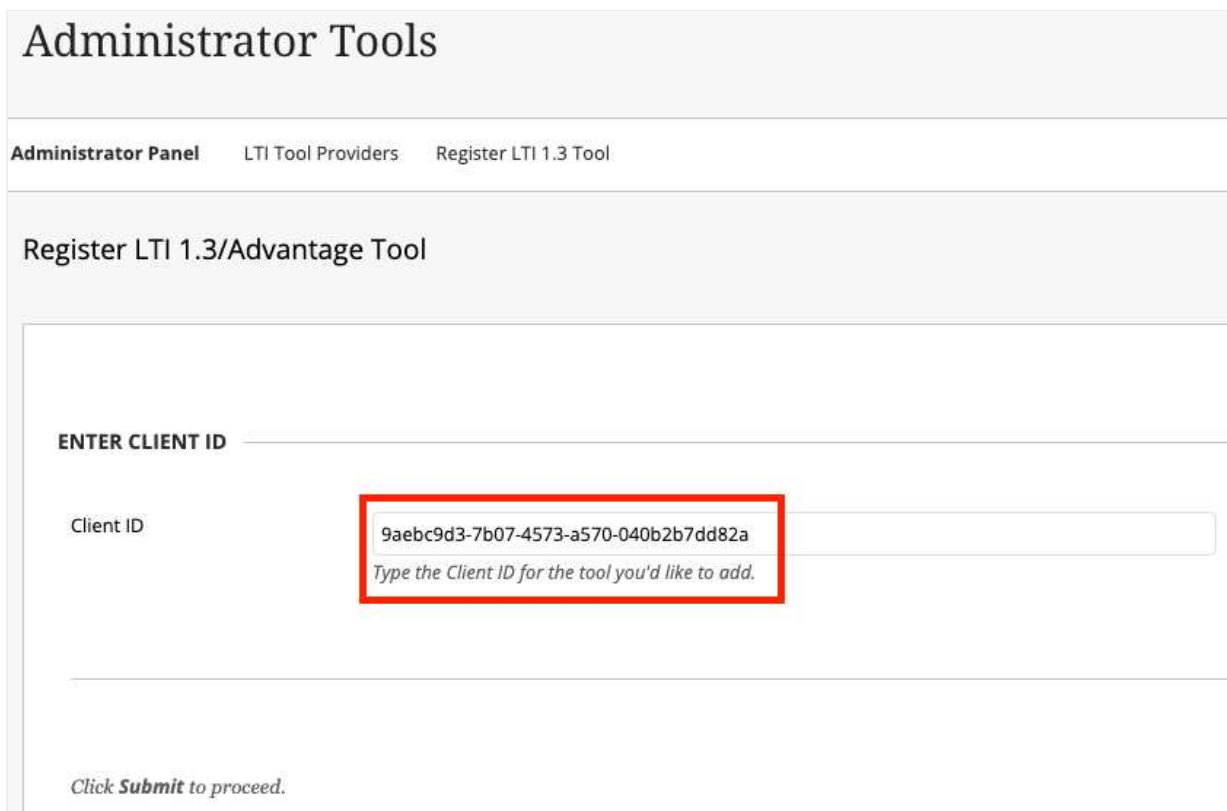


Figure 2: LTI 1.3/Advantage Tool ClientID

Once the LTI 1.3 Tool has been registered, it will create the tool along with automatically populate the following details:

- Name

- Description
- Deployment ID
- Initiate Login URL
- Tool Redirect URLs
- JWKS URL

The Domain field is required to be populated with the domain of the eReserve Plus environment. i.e. example.ereserve.com.au.

Modify LTI 1.3 Tool: eReserve Plus - EU

TOOL STATUS

The following fields are read-only, but you can toggle the status of this tool

Client ID	<input type="text" value="9aebc9d3-7b07-4573-a570-040b2b7dd82a"/>
Name	<input type="text" value="eReserve Plus - EU"/>
Description	<input type="text" value="Production instance for eReserve Demos"/>
Deployment ID	<input type="text" value="506c6c70-e4a0-454e-b8d9-09b98ba0fe27"/>
Initiate Login URL	<input type="text" value="https://eu.ereserve.com.au/app/integration/lti/lc"/>
Tool Redirect URLs	<input type="text" value="https://eu.ereserve.com.au/app/integration/lti/r"/>
JWKS URL	<input type="text" value="https://eu.ereserve.com.au/app/integration/lti/p"/>
Domains	<input style="width: 100%; height: 40px;" type="text" value="eu.ereserve.com.au"/>

Figure 3: LTI 1.3/Advantage Tool populated details

The Tool Status will require to be set to Approved, by default this option is set to Excluded.

Tool Status

Approved

Excluded

Figure 4: LTI 1.3/Advantage Tool, Tool Status

Under Institution Policies, all tick boxes for the User Fields to Send, will require to be Enabled or ticked and for the Service access will require to be set to No as per the following screenshot.

INSTITUTION POLICIES

You can change the following settings for this tool. The fields use global values by default.

User Fields to Send

- Role in Course
- Name
- Email Address

Allow grade service access Yes No

Allow Membership Service Access Yes No

Show User Acknowledgment Message *You can edit the user acknowledgment message when Membership Service is disabled*

Yes No

Figure 5: LTI 1.3/Advantage Tool, Institution Policies

2.3 LTI Tool Placements

In order for course maintainers to link to a Reading List in eReserve Plus in their courses you will need to create placements for the Tool provider created in step 3.2. There will be three different placements required for the LTI 1.3 tool. The placements are Course content tool, Administrator tool and Deep Linking content tool. To create placements for an LTI Tool Provider, the dropdown option can be selected while hovering over an LTI Tool Provider, then Management Placements can be selected. Details for configuration can be found below:

Course Content Tool

Below will be the required information for the creation of the Course Content Tool placement.

1. Label: The placement Label can be named anything you like to suit your institutional vocabulary however we recommend something that is relevant to the placement as this will be displayed in courses.
2. Handle: The placement Handle uniquely identifies the placement.
3. Availability: The placement Availability will determine whether the placement will be available or not - This should be set to Yes.
4. Type: The placement Type will need to be set to Course Content Tool with the Allows Grading option disabled.

PLACEMENT INFORMATION

Label 1.
The label that displays in the course

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

Handle 2.
Uniquely identifies the placement

Availability 3. Yes No
Make placement available to course builders and instructors

Type
Placement Type determines where this tool appears in Blackboard Learn. The tool can be placed in a course or made available for specific users. [Learn more about placement types.](#)

4. Course content tool
 Allows grading

Course tool
 Allow student access

System tool
 Administrator tool
 Ultra extension
Not all Ultra extensions are visible to your users

Base navigation tool
 Course navigation tool

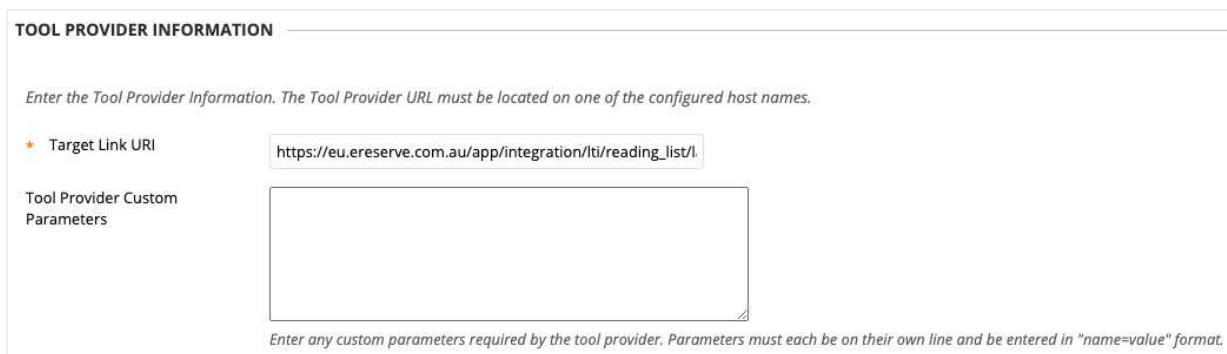
Launch in New Window

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

Figure 6: LTI 1.3/Advantage Tool, Course Content placement

The Tool Provider Information will require the Target Link URI to be populated. An example of that link can be found below:

- https://example.ereserve.com.au/app/integration/lti/reading_list/launch where the example.ereserve would be your eReserve domain.



TOOL PROVIDER INFORMATION

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

★ Target Link URI

Tool Provider Custom Parameters

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

Figure 7: LTI 1.3/Advantage Tool, Course Content placement - information

Administrator Tool

Below will be the required information for the creation of the Administrator Tool placement.

1. Label: The placement Label can be named anything you like to suit your institutional vocabulary however we recommend something that is relevant to the placement as this will be displayed under Tools and Utilities in the Administrator Tools.
2. Handle: The placement Handle uniquely identifies the placement.
3. Availability: The placement Availability will determine whether the placement will be available or not - This should be set to Yes.
4. Type: The placement Type will need to be set to Administrator Tool.

PLACEMENT INFORMATION

Label **1.**
The label that displays in the course

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

Handle **2.**
Uniquely identifies the placement

Availability **3.** Yes No
Make placement available to course builders and instructors

Type
Placement Type determines where this tool appears in Blackboard Learn. The tool can be placed in a course or made available for specific users. Learn more about placement types.

Deep Linking content tool
 Allow student access

4. Course content tool Allows grading

Course tool
 Allow student access

System tool
 Administrator tool
 Ultra extension
Not all Ultra extensions are visible to your users

Base navigation tool
 Course navigation tool

Launch in New Window

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

Figure 8: LTI 1.3/Advantage Tool, Admin Placement

The Tool Provider Information will require the Target Link URI to be populated. An example of that link can be found below:

- https://example.ereserve.com.au/app/integration/lti/reading_list/launch where the example.ereserve would be your eReserve domain.

The Tool Provider Customer Parameter will require to have the following parameter:

- `user.system.role=@X@user.role@X@`

TOOL PROVIDER INFORMATION

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

* Target Link URI

Tool Provider Custom Parameters

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

Figure 9: LTI 1.3/Advantage Tool, Admin placement - information

Deep Linking Content Tool

Below will be the required information for the creation of the Deep Linking Content Tool placement.

1. Label: The placement Label can be named anything you like to suit your institutional vocabulary however we recommend something that is relevant to the placement as this will be displayed in courses.
2. Handle: The placement Handle uniquely identifies the placement.
3. Availability: The placement Availability will determine whether the placement will be available or not - This should be set to Yes.
4. Type: The placement Type will need to be set to Deep Linking Content Tool with Student Access disabled.

PLACEMENT INFORMATION

1.
The label that displays in the course

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

2.
Uniquely identifies the placement

3. Yes No
Make placement available to course builders and instructors

Type
Placement Type determines where this tool appears in Blackboard Learn. The tool can be placed in a course or made available for specific users. Learn more about placement types.

4. Course content tool
 Allows grading

Deep Linking content tool
 Allow student access

Course tool
 Allow student access

System tool
 Administrator tool
 Ultra extension
Not all Ultra extensions are visible to your users

Base navigation tool
 Course navigation tool

Launch in New Window

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

Figure 10: LTI 1.3/Advantage Tool, Deep Linking Placement

The Tool Provider Information will require the Target Link URI to be populated. An example of that link can be found below:

- https://example.ereserve.com.au/app/integration/lti/resource_link/generate where the example.ereserve.com.au would be your eReserve domain.

TOOL PROVIDER INFORMATION

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

* Target Link URI

Tool Provider Custom Parameters

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

Figure 11: LTI 1.3/Advantage Tool, Deep Linking placement - Provider Details

Once the above have been completed, you will be able to Authorise and Activate the LTI1.3 Tool for the creation of Resource Links.

2.4 Authorisation

To Authorise your platform you will need to use the following steps:

1. Login as a Blackboard Administrator
2. Navigate to the Administrator Tools;
3. Click on the eReserve Plus Admin Tool in the Tools and Utilities panel;
(NB: If you have chosen a different eReserve Plus Admin Tool name than what is recommended in Section 3.3 then you will be looking for that name)
4. You will be present with a Authorise your LMS instance;
5. Click on the Authorise button;
6. If you have not logged into your institution's eReserve Plus instance then you will be presented with a login page. Login in with an account that has the Site Manager role. If you do not have an account then please contact the eReserve Support Team;
7. Once logged in you will see a notice letting you know that the authorisation is complete;

Tools and Utilities
Achievements
Announcements
Avatars
Calendar
Chalk Titles
Course Messages
Email
Enterprise Surveys
Goals and Assessments
Language Packs
Logs
Notifications
Portfolios
Rubrics
Student Goal Performance Export
System Configuration
System Reporting
Tools
eReserve Plus Admin Tool

Figure 12: LTI 1.3/Advantage Tool, Admin Tool - Authorisation

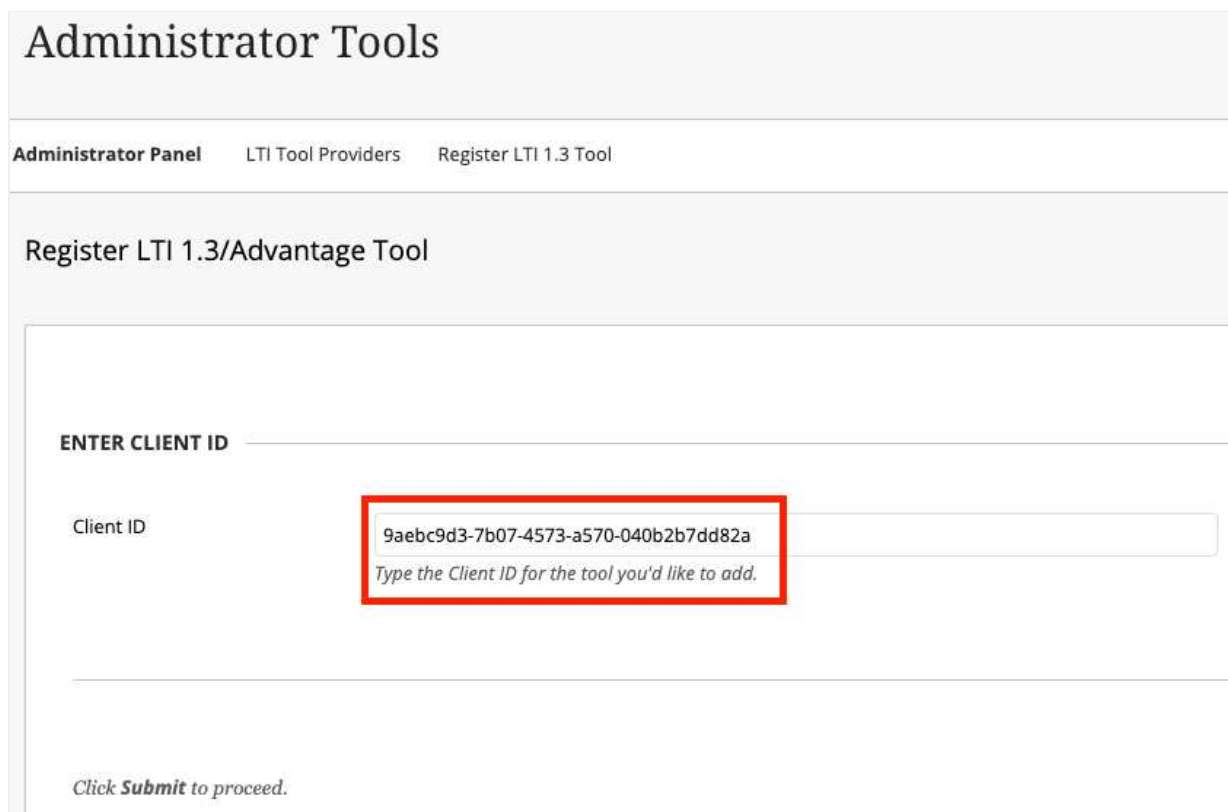
NB: You will need to be logged in as a Blackboard Learn Administrator and also have an eReserve Plus account with the Role of Site Manager in your institution's eReserve Plus instance which matches your Blackboard Learn instance (i.e. For Staging environment configuration, you will need to have an eReserve Plus account with the Site Manager Role in your eReserve Plus Staging instance to complete the registration).

The first message displayed is the IMS LTI Platform Authorisation which outlines that your platform has not been authorised to use eReserve Plus. In order to Authorise the platform, click Authorise and you will be taken to the Admin interface of eReserve Plus where you will need to have the Site Manager role to complete the authorisation.

On Authorisation you will see a notice appear at the top of the eReserve Plus Integration Management page. This notice will contain details of the success or failure to authorise your LMS to use your institution's eReserve Plus instance.

2.5 Activation

Once you have authorised the platform (i.e. your LMS instance), you will be asked to refresh your page and then complete the Activation of the Registration (see below) for your platform so that users will be able to access eReserve Plus via the LMS instance.



Administrator Tools

Administrator Panel LTI Tool Providers Register LTI 1.3 Tool

Register LTI 1.3/Advantage Tool

ENTER CLIENT ID

Client ID

Type the Client ID for the tool you'd like to add.

Click **Submit** to proceed.

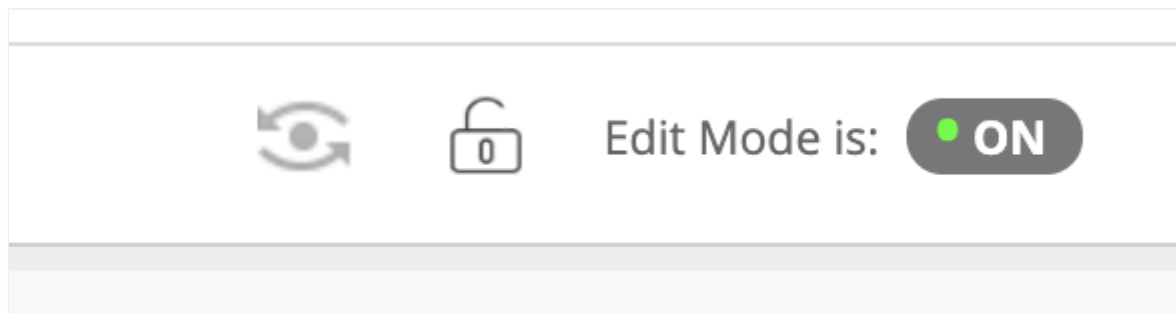
Figure 13: LTI 1.3/Advantage Tool ClientID

2.6 LTI Link Placement

Once the LTI Tool Providers (section 3.2) and LTI Tool Placements (section 3.3) have been created/completed, people who are responsible for course content management can put the LTI links in Blackboard Learn courses or templates.

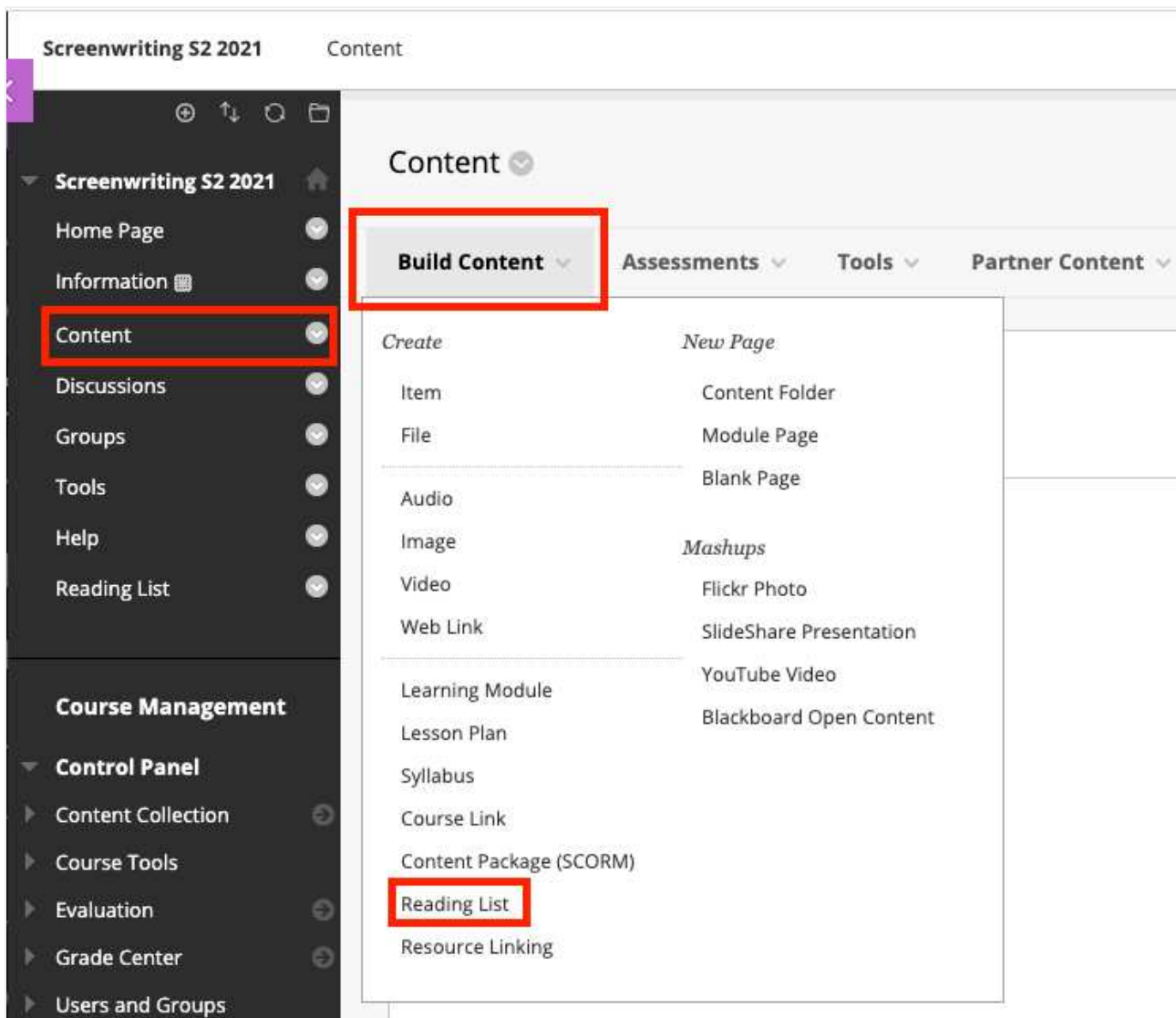
2.6.1 LTI Link Placement within Course Content - Classic Experience

To create a link in course content firstly, make sure that editing for the course is turned on.



Then navigate to the course content then click on the Build Content and then select the Course Content Tool i.e. Reading List (see below).

Please note that the name Reading List is the name of our placement that we created earlier (see 3.3 LTI Tool Placements - specifically the Course Content Tool)



Once you have selected the Course Content Tool, you'll then see the create form (see below). All you need do is fill in the Name for the link then click on the Submit button. All other fields are optional and can be set as needed.

Create Reading List

* Indicates a required field.

INFORMATION





* Name



Color of Name Black

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

After creating the link it will be displayed in the course content. To get to the reading list for eReserve Plus it's just a matter of clicking on the link that was created. Depending on your role you will either see a read only reading list (e.g. for students) or the reading list management (e.g. for course builds, academics, etc.)

Content

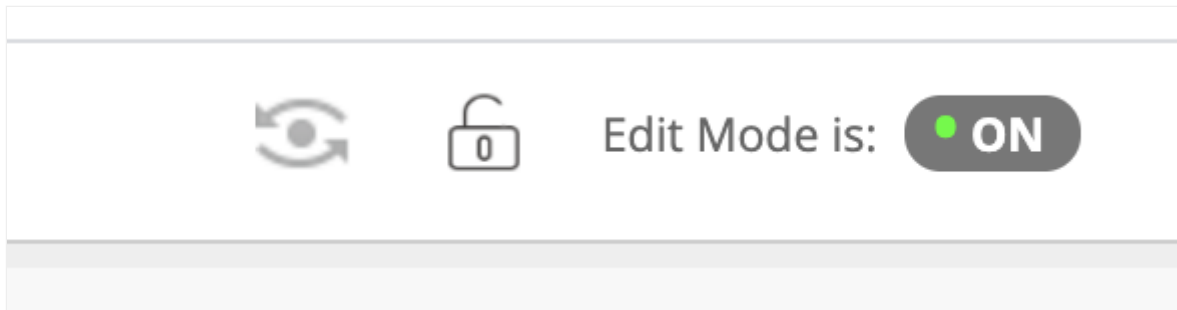
Build Content  **Assessments**  **Tools**  **Partner Content** 

 **Reading List** 

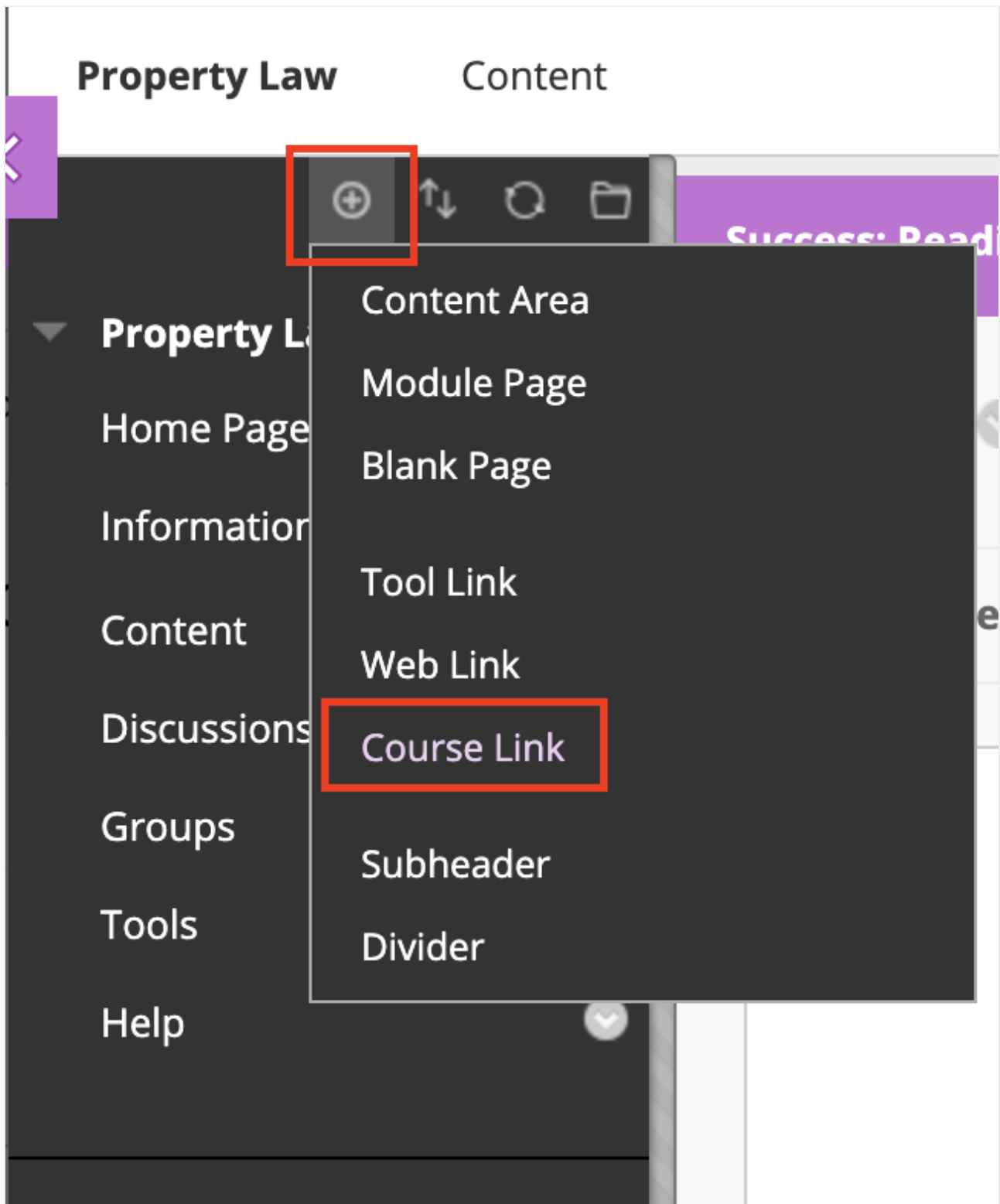
2.6.2 LTI Link Placement within Course Menu - Classic Experience

Within your courses you can create a link in the course menu to eReserve Plus using Course Links. To create the link in the course menu you must have already created a Course Content Tool (see 3.6.1). Once you have the Course Content Tool you can use the following steps to create a link in the course menu.

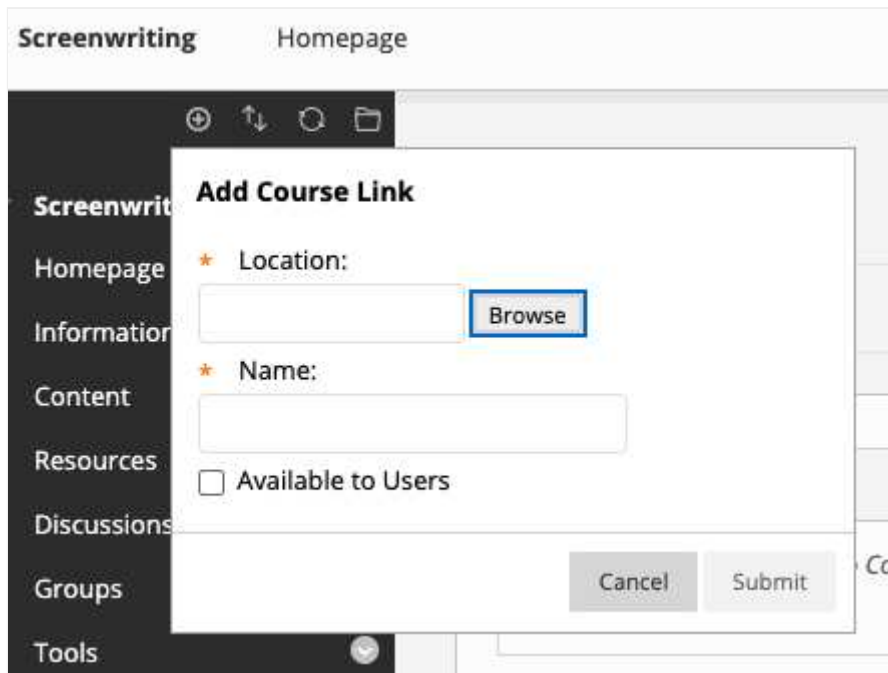
1. Make sure course editing is turned on.



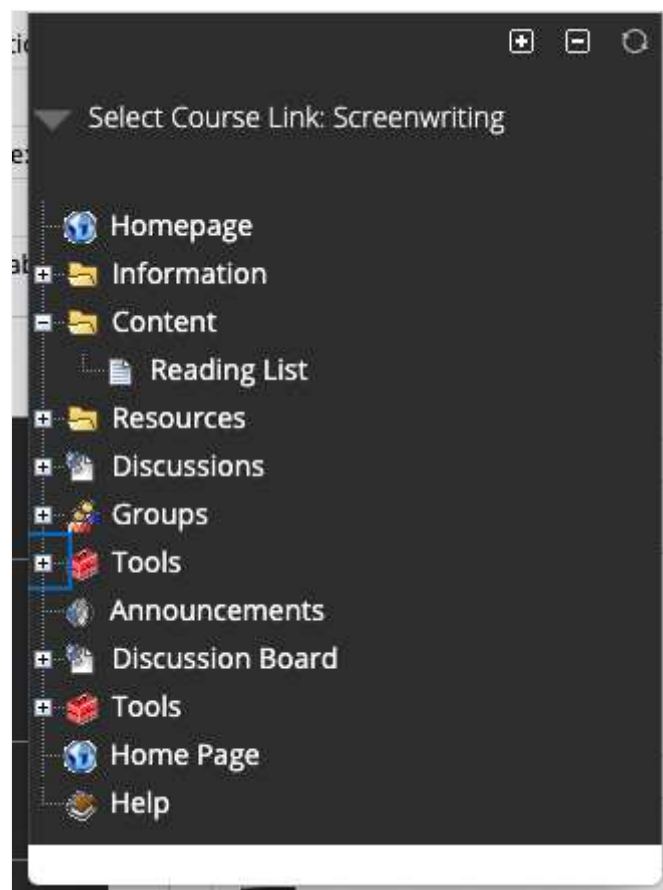
2. Click on the Add Menu Item button
3. Click on the Course Link menu item.



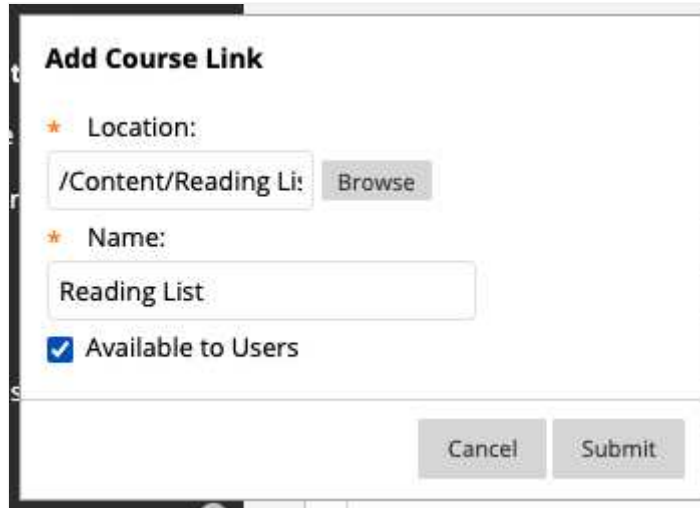
4. Once clicked, the Add Course Link form will be displayed (see below). Click on the Browse button to select the Location.



5. Once clicked, you will see the Select Course Link form. Choose the content link you created earlier by clicking on it. In the example below it's the Reading List in the Content folder.

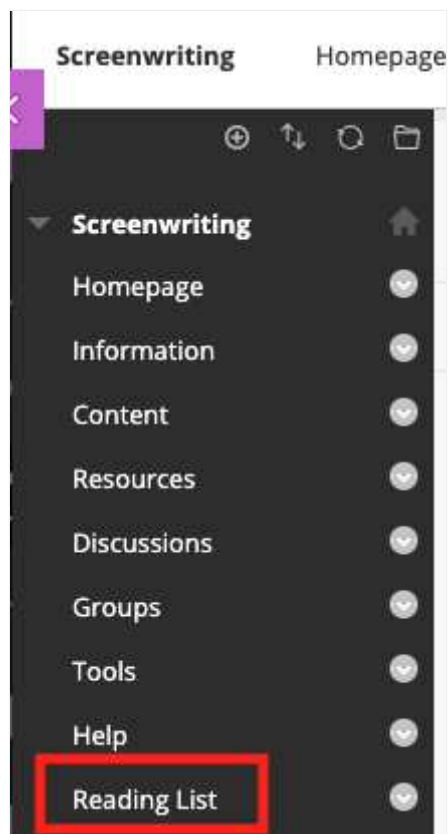


6. Once you've selected the content link tick the Available to Users checkbox, change the Name as you see fit then click on the Submit button. The link will now appear in the course menu.



The screenshot shows a dialog box titled "Add Course Link". It contains the following fields and controls:


- Location:** A text input field containing "/Content/Reading Li:" and a "Browse" button.
- Name:** A text input field containing "Reading List".
- Available to Users:** A checked checkbox.
- Buttons:** "Cancel" and "Submit" buttons at the bottom right.



2.6.3 LTI Link Placement - Ultra Experience

To create a link in course content, first select the create menu and select the Content Market menu item.

Course Content

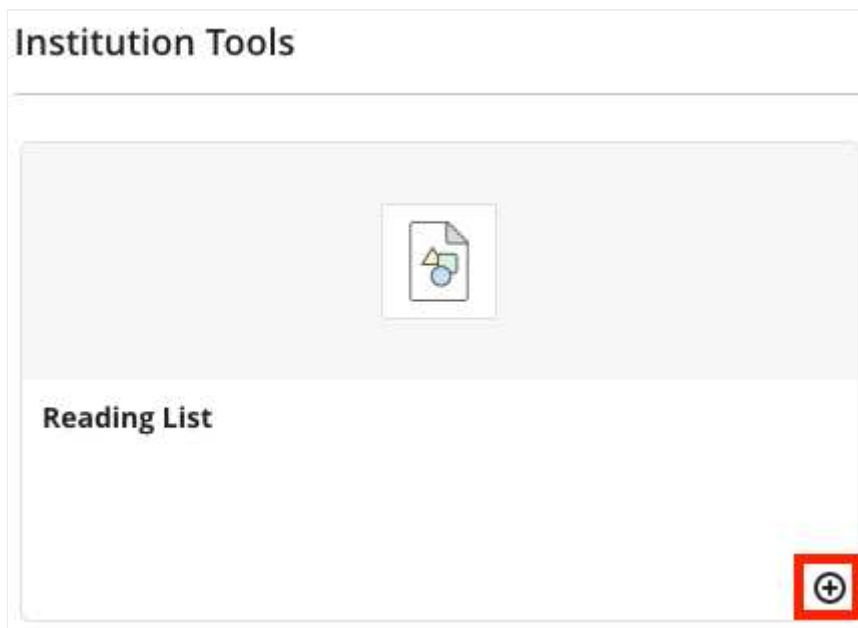


Get started!

Use this space to build your course. Select the plus to begin!

- Create
- Copy Content
- Upload
- Content Market
- Content Collection

From there, hover over the Course Content Tool that we created earlier (in this case it is labelled Reading List DEV) which is under Institution Tools and select the plus symbol in the button right corner.



Once selected, it will automatically be added to the Course Content section. Hovering over it, you can click on the ellipse to edit and change the name and make it available to student.



2.7 Editing the Registration Form

To edit the Registration Form or to change details such as the Course Code Filter or LTI Role Access, you will be required to be logged in as an Blackboard Administrator.

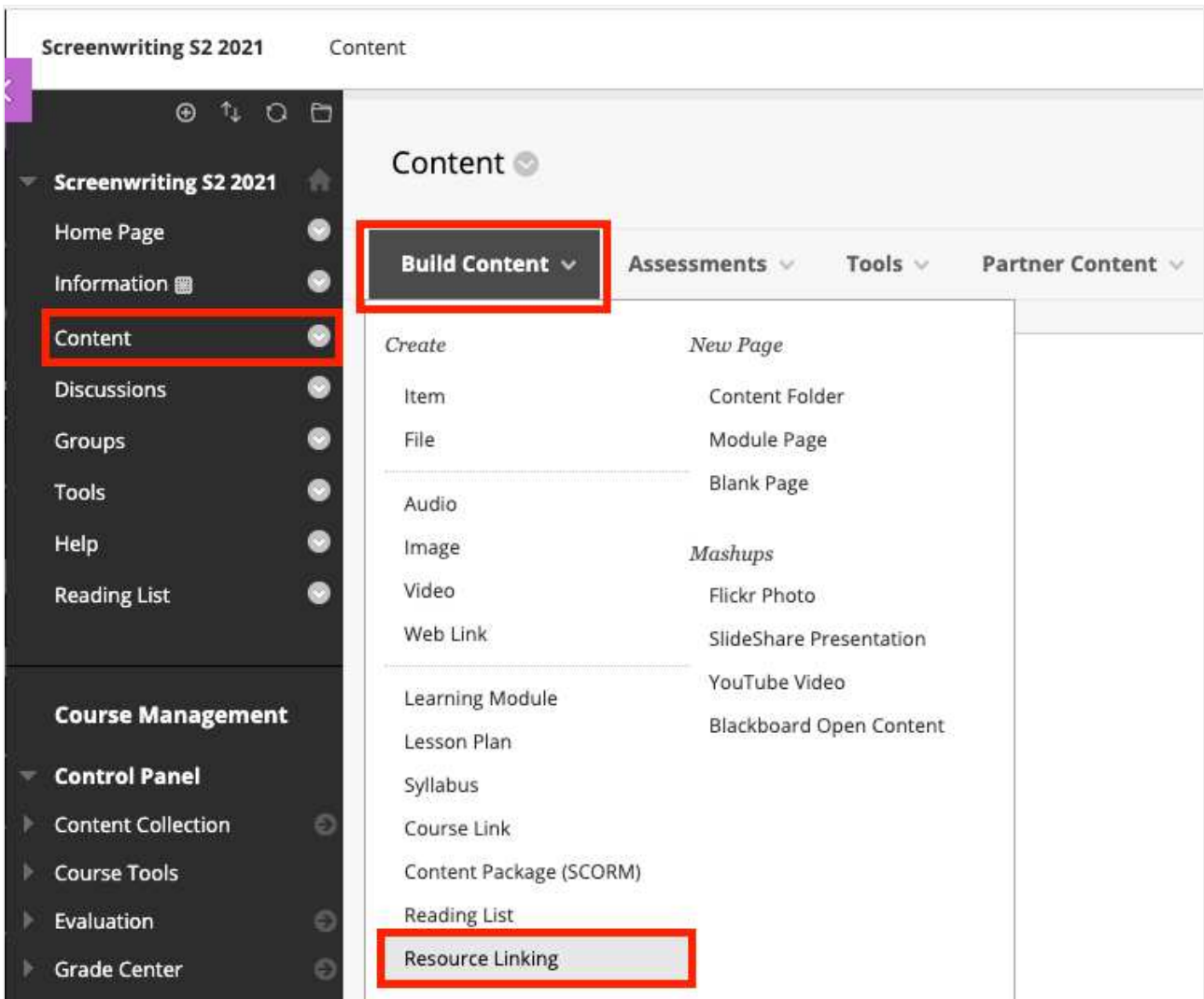
From there, you will need to navigate to Admin and at the bottom of Tools and Utilities, there is an eReserve Admin menu item. Once selected, it will take you to the Re

2.8 Resource Linking with Blackboard

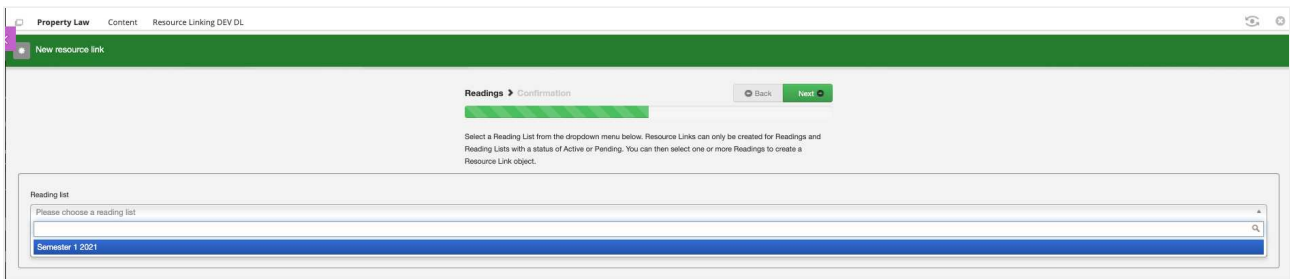
Once the LTI Tool Providers (section 3.2), LTI Tool Placements (section 3.3) and the LTI Link Placements (section 3.6) have been created/completed, people who are responsible for course content management can put the LTI links in Blackboard Learn courses.

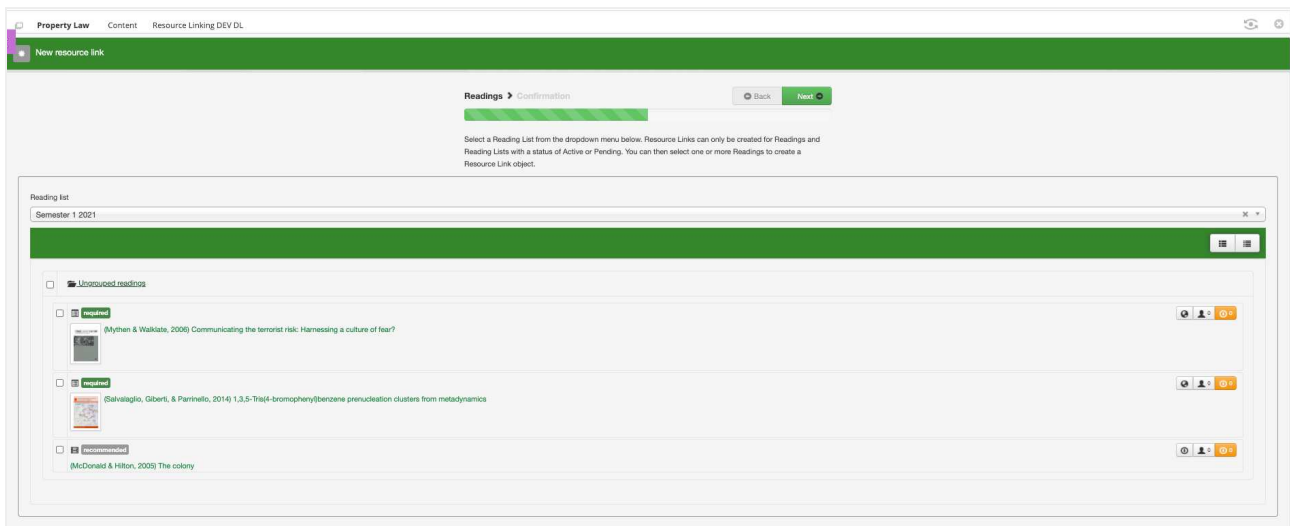
2.8.1 Resource Linking - Classic Experience

For the Classic Experience of Blackboard, you will be able to use the following documentation to create Resource Links. To add and create Resource Links, navigate to Course and select Content. Once there, select the Build Content dropdown and select the Resource linking tool that was created earlier (this will be named when the Deep Linking Content Tool was created in section 3.3 - In this case, it has been labelled Resource Linking).

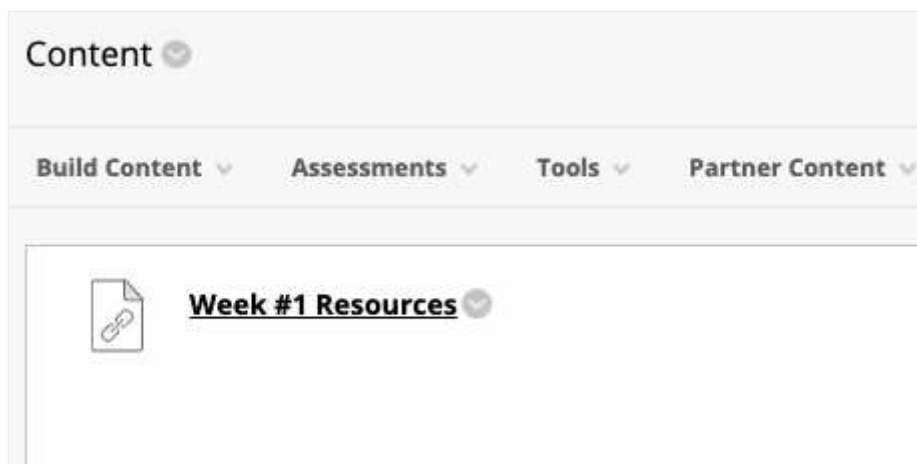


From there, it will take you through the steps to select a Reading List and Resources to add.





Once the link has been created, it will display by default as LTI Link however this can be changed by editing the Content item and changing the name to suit.



2.8.2 Resource Linking - Ultra Experience


For the Ultra Experience of Blackboard Learn, you will be able to use the following documentation to create Resource Links within Course Content.

Resource Links can be created and added where there is an HTML editor (i.e. Documents and Discussion)

A video can be found on how to create Resource Links below.





For the following documentation, we will create a new Document. To add and create Resource Links, navigate to create a new Document (see below) and select the menu item to create new course content.

Course Content



Get started!

Use this space to build your course. Select the plus to begin!

- +** Create
-  Copy Content
-  Upload
-  Content Market
-  Content Collection

Once selected, select to create a new Document.



Create Item

Course Content Items



Learning module



Folder



Document



Link



Teaching tools with LTI connection



SCORM package

Assessment



Test



Assignment

Participation and Engagement



Discussion

From there, select Add Content.



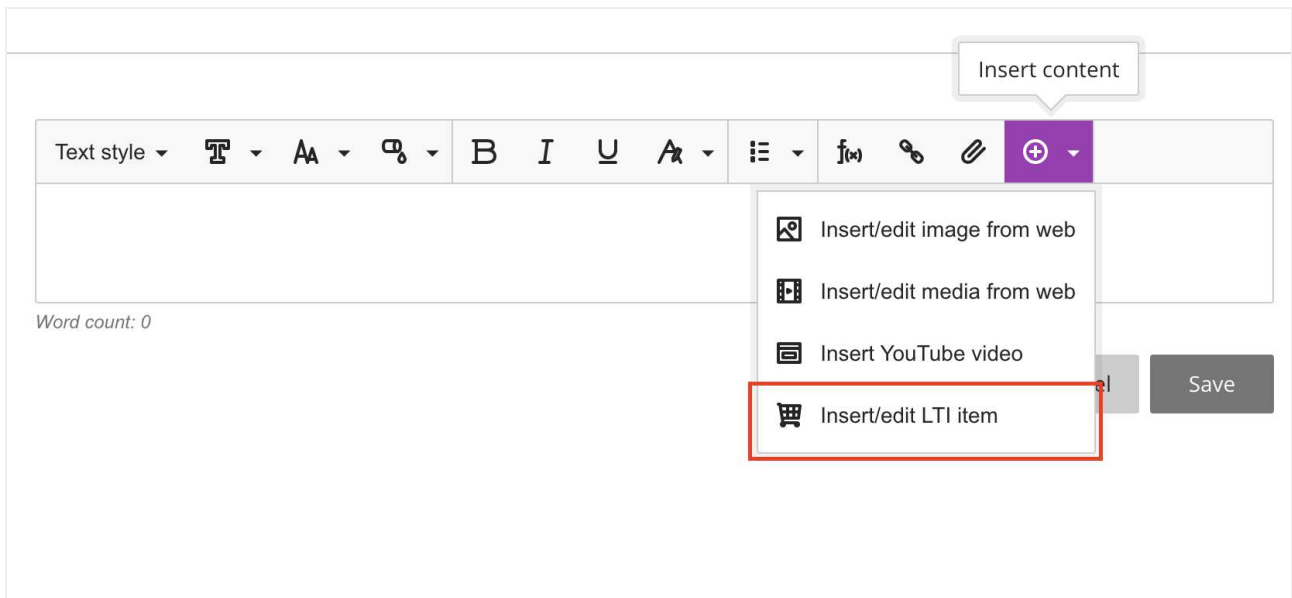
Use this space to build your document.

All your work is saved automatically. Just close the document when you're finished.

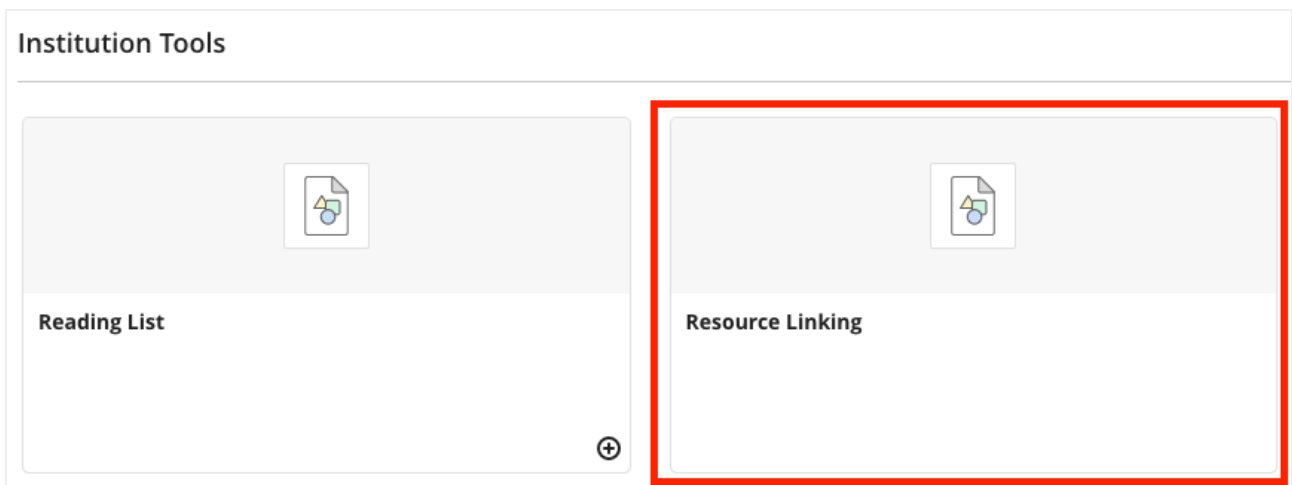
Add Content

Upload from Computer

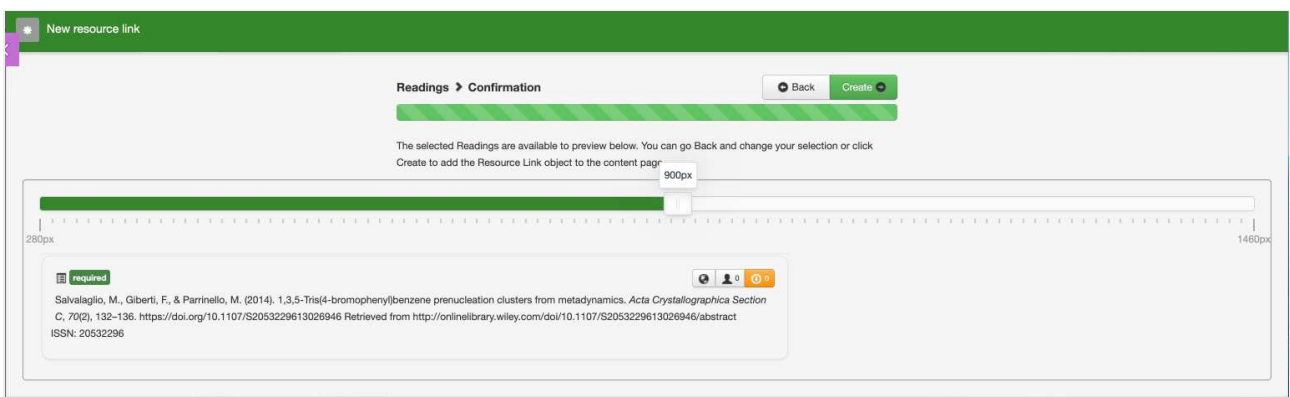
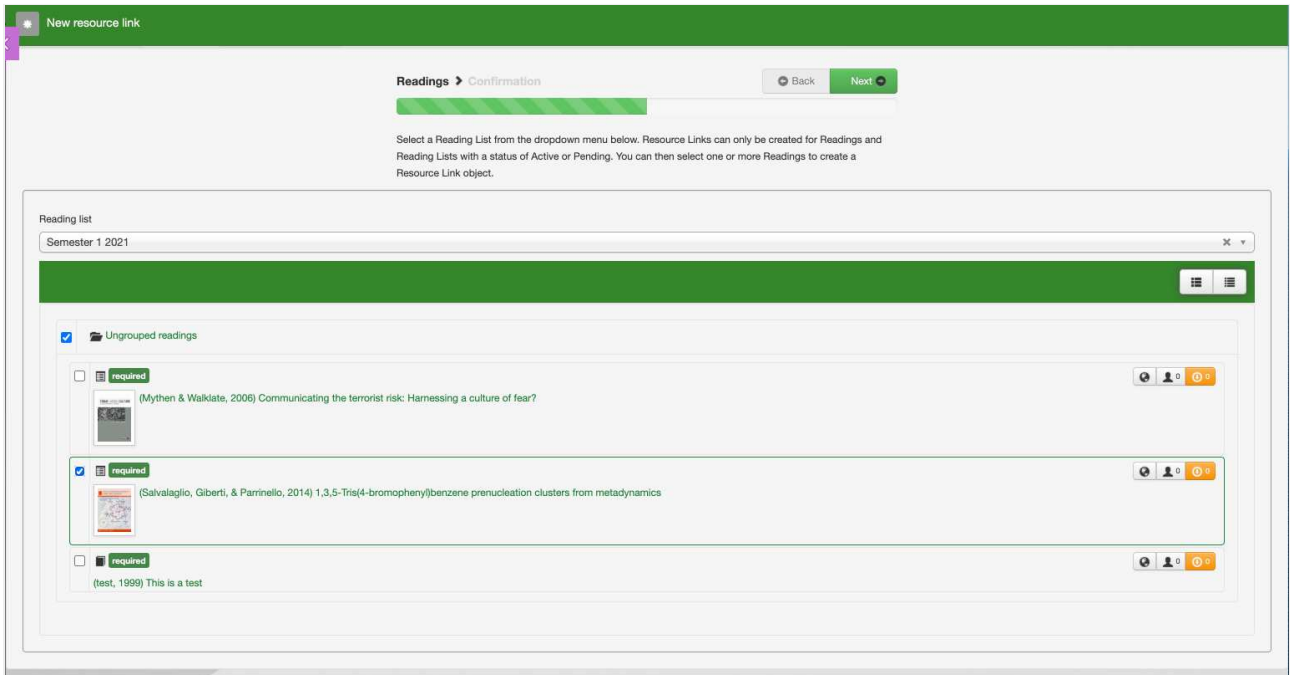
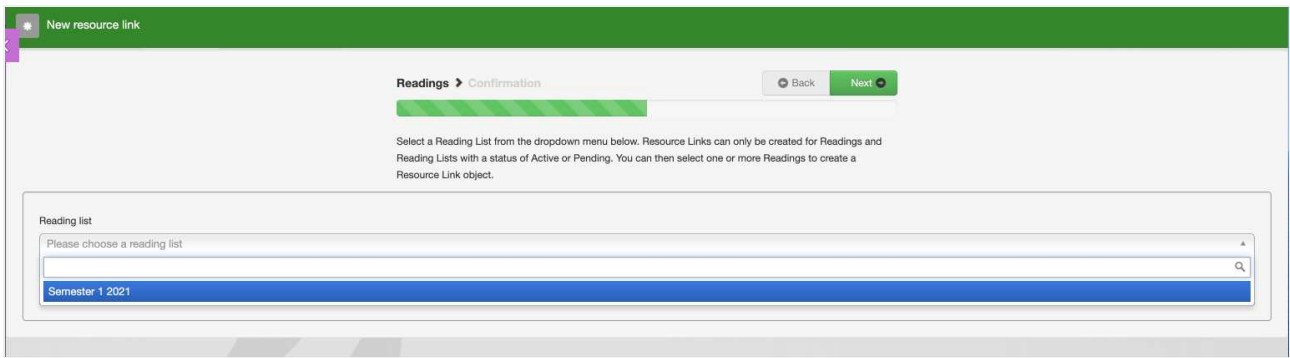
You will be presented with an HTML Editor. Select the Insert Content dropdown from the menu and select Insert/edit LTI item



Under Institution Tools, select the Deep Linking Content Tool that was created earlier in section 3.3 of this document - In this case, it has been labelled Resource Linking.



Once selected, you will be presented to select a Reading List and resources to add as Resource Links.



Once the Resource Link/s have been selected, created and resized, it will display in the document HTML editor.

Topic One

Please read the following resources. ...

active  required



Salvalaglio, M., Giberti, F., & Parrinello, M. (2014). 1,3,5-Tris(4-bromophenyl)benzene prenucleation clusters from metadynamics. *Acta Crystallographica Section C*, 70(2), 132–136. <https://doi.org/10.1107/S2053229613026946> Retrieved from <http://onlinelibrary.wiley.com/doi/10.1107/S2053229613026946/abstract>
ISSN: 20532296

