



# Quick Start Guide

PMA.LTI

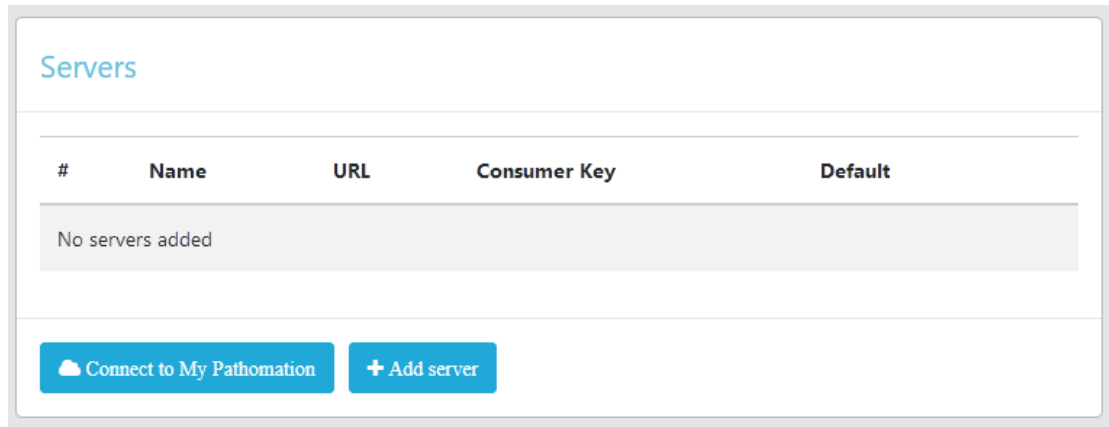
PATHOMATION

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## 1. PMA.LTI Tool configuration

Navigate to **PMA.LTI** settings page (ex. <https://my-domain.com/settings>). Initially the servers list will be empty. You can connect to an existing **PMA.core** server by clicking on the Add server button or use an existing **My Pathomation** account by clicking on Connect to My Pathomation.



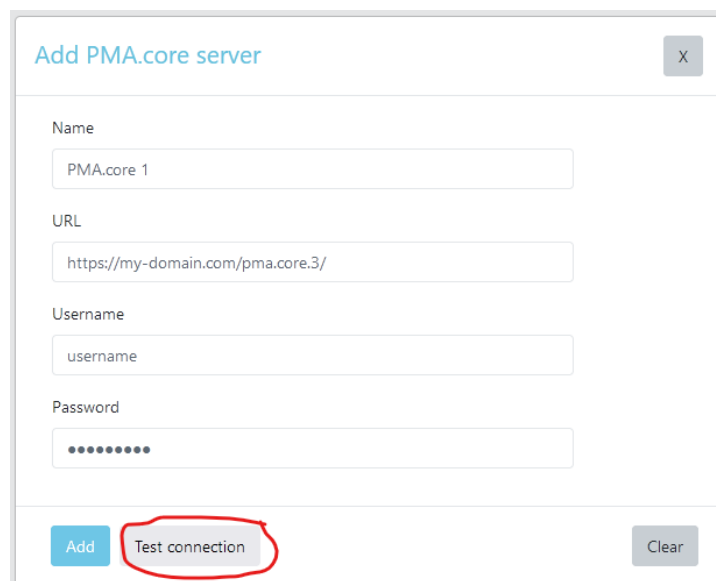
The screenshot shows a web interface titled "Servers". Below the title is a table with the following columns: "#", "Name", "URL", "Consumer Key", and "Default". The table is currently empty, displaying the text "No servers added". Below the table are two buttons: "Connect to My Pathomation" (with a cloud icon) and "+ Add server".

### 1.1 Add PMA.core server

On Add PMA.core server panel insert required information:

- **Name:** a distinct name for **PMA.core** installation,
- **URL:** the URL of **PMA.core** installation,
- **Username:** the username of a **PMA.core** user,
- **Password:** the password of a **PMA.core** user.

Then click on the Test connection button, so the service can check connectivity to **PMA.core** server.



The screenshot shows a modal window titled "Add PMA.core server" with a close button (X) in the top right corner. The form contains four input fields: "Name" (with the value "PMA.core 1"), "URL" (with the value "https://my-domain.com/pma.core.3/"), "Username" (with the value "username"), and "Password" (with masked characters "••••••••"). At the bottom of the form are three buttons: "Add", "Test connection" (which is circled in red), and "Clear".

If connectivity test is successful, a success message while appear and **Add** button will be enabled. By clicking on it, **PMA.core** server information will be saved, and its' slides will be available.

**Add PMA.core server** [X]

Name  
PMA.core 1

URL  
https://my-domain.com/pma.core.3/

Username  
username

Password  
.....

Connection was successful. You can now add credentials to configuration.

**Add** Test connection Clear

## 1.2 Add My Pathomation account

Instead of a **PMA.core** server, you can add an existing **My Pathomation** account. Just enter your **My Pathomation** credentials and click on the **Test connection** button to verify credentials.

*You don't have a **My Pathomation** account? Visit <https://my.pathomation.com/register> and create a new account!*

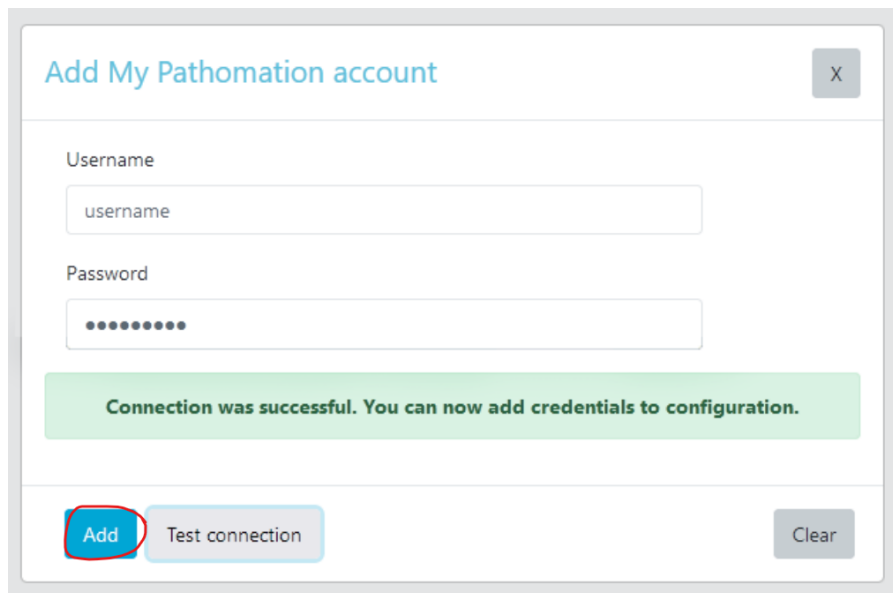
**Add My Pathomation account** [X]

Username  
username

Password  
.....

Add **Test connection** Clear

If connectivity test is successful, a success message will appear and Add button will be enabled. By clicking on it, **My Pathomation** credentials will be saved, and uploaded slides will be available.



**Add My Pathomation account** [X]

Username  
username

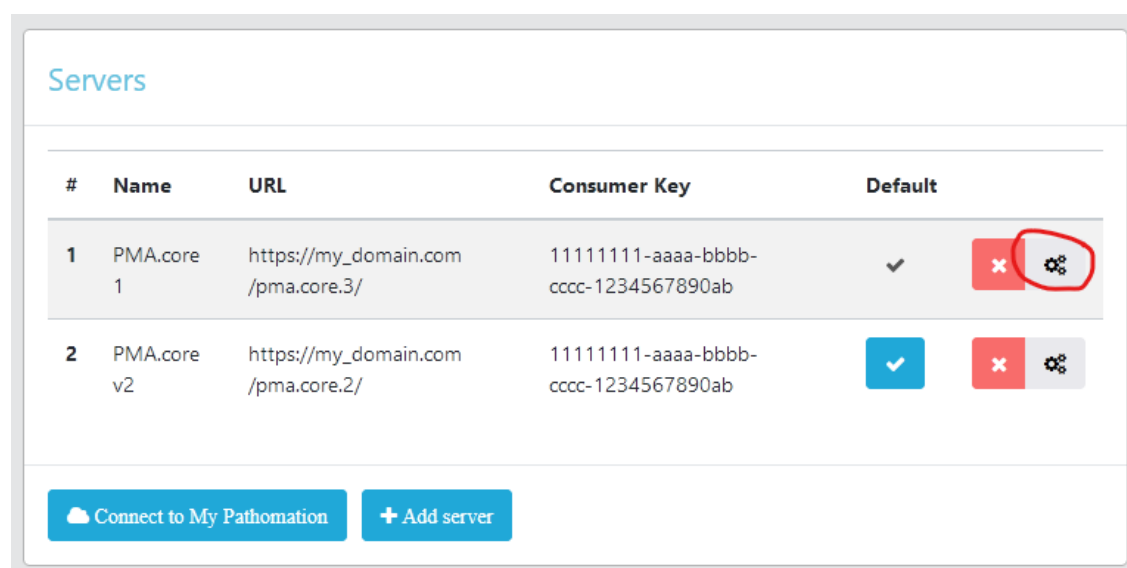
Password  
.....

Connection was successful. You can now add credentials to configuration.

**Add** Test connection Clear

### 1.3 View configuration

To view required data for configuring LTI tool on your LMS platform, just click on cogs button right next to the **My Pathomation** entry or the **PMA.core** server you want to use.







**Servers**

#	Name	URL	Consumer Key	Default	
1	PMA.core 1	https://my_domain.com /pma.core.3/	11111111-aaaa-bbbb- cccc-1234567890ab	✓	[X] [Gears]
2	PMA.core v2	https://my_domain.com /pma.core.2/	11111111-aaaa-bbbb- cccc-1234567890ab	✓	[X] [Gears]

Connect to My Pathomation + Add server

A new page will load with configuration data required like key, secret, and URLs.

**LTI Tool Configuration for PMA.core 1** ( [https://my\\_domain.com/pma.core.3/](https://my_domain.com/pma.core.3/) )

Consumer Key	11111111-aaaa-bbbb-cccc-1234567890ab	
Secret Key	auto-generated-secret-key	
Tool Configuration URL	<a href="https://my_domain.com/Tool/XMLConfiguration">https://my_domain.com/Tool/XMLConfiguration</a>	
Content Selection URL	<a href="https://my_domain.com/Tool/Launch">https://my_domain.com/Tool/Launch</a>	

---

**XML configuration for Canvas LMS**

```
<?xml version="1.0" encoding="UTF-8" ?>
<cartridge_basicti_link xmlns="http://www.imsglobal.org/xsd/imslticc_v1p0"
xmlns:blti="http://www.imsglobal.org/xsd/imsbasicti_v1p0"
```

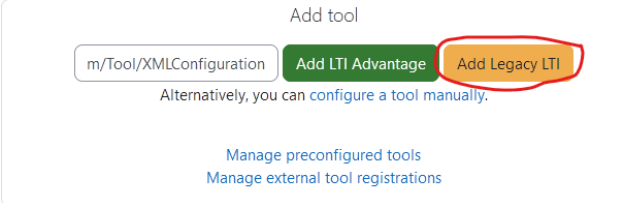
## 2. Moodle

**Moodle** allows users to import LTI-compliant learning resources using a tool called **External Tools**.

### 2.1 Tool installation

To enable **PMA.LTI** on **Moodle**, navigate to *Site administration > Plugins > External tool > Manage tools*. Then add the **Tool Configuration URL** from **PMA.LTI** configuration page and click on Add Legacy LTI button.

#### Manage tools



Add tool

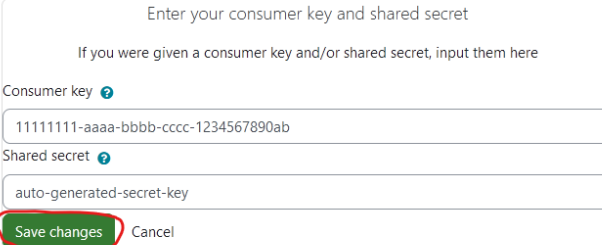
m/Tool/XMLConfiguration **Add LTI Advantage** **Add Legacy LTI**

Alternatively, you can configure a tool manually.

[Manage preconfigured tools](#)  
[Manage external tool registrations](#)

Then, copy and paste key and secret from **PMA.LTI** configuration page and click on Save changes button.

#### Manage tools



Enter your consumer key and shared secret

If you were given a consumer key and/or shared secret, input them here

Consumer key ⓘ  
11111111-aaaa-bbbb-cccc-1234567890ab

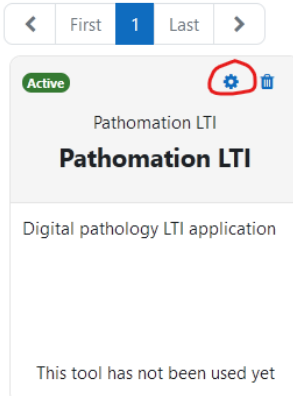
Shared secret ⓘ  
auto-generated-secret-key

**Save changes** Cancel



#### Tools

If everything is correct, **PMA.LTI** will be shown in the Tools section.

#### Tools



< First 1 Last >

Active Pathomation LTI  

**Pathomation LTI**

Digital pathology LTI application

This tool has not been used yet

To finalize configuration, click on cog button and on the external tool edit page change:

- **Tool configuration usage** to “Show in activity chooser and as a preconfigured tool”, so we can quickly select **PMA.LTI** tool,
- Check **Supports Deep Linking (Content-Item Message)** checkbox,
- Copy and paste **Content Selection URL**.

Shared secret

Custom parameters

Tool configuration usage

Default launch container

Supports Deep Linking (Content-Item Message)

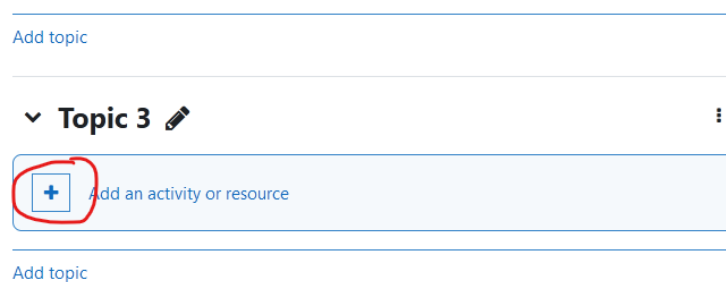
Content Selection URL

[Show more...](#)

> **Services**

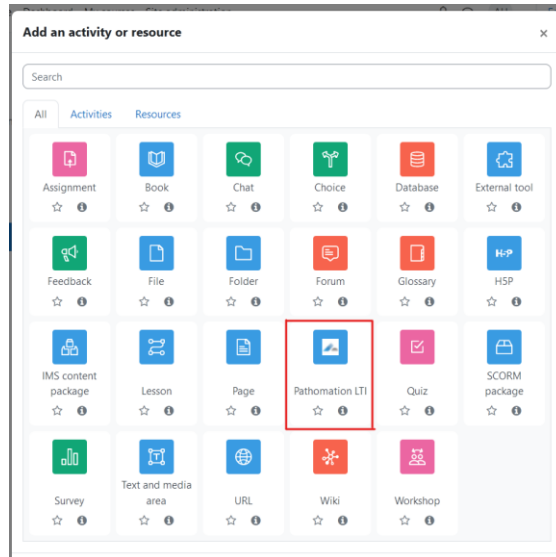
## 2.2 Tool usage

To add a slide to a **Moodle** course using **PMA.LTI** tool, go to the desired course, enable **Edit mode**, and click on **Add an activity or resource**.

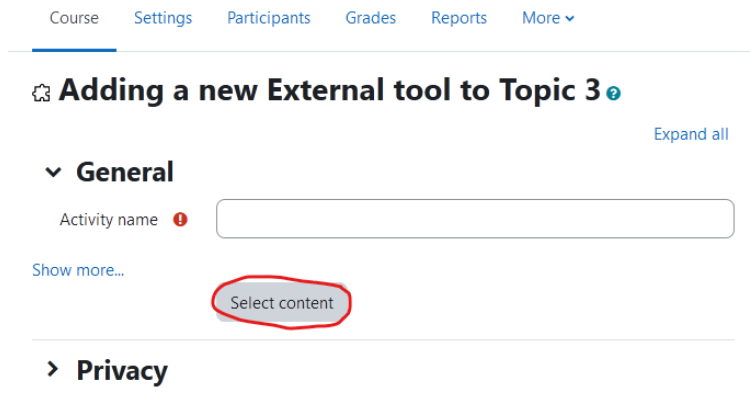


On the popup, click on **Pathomation LTI** tool

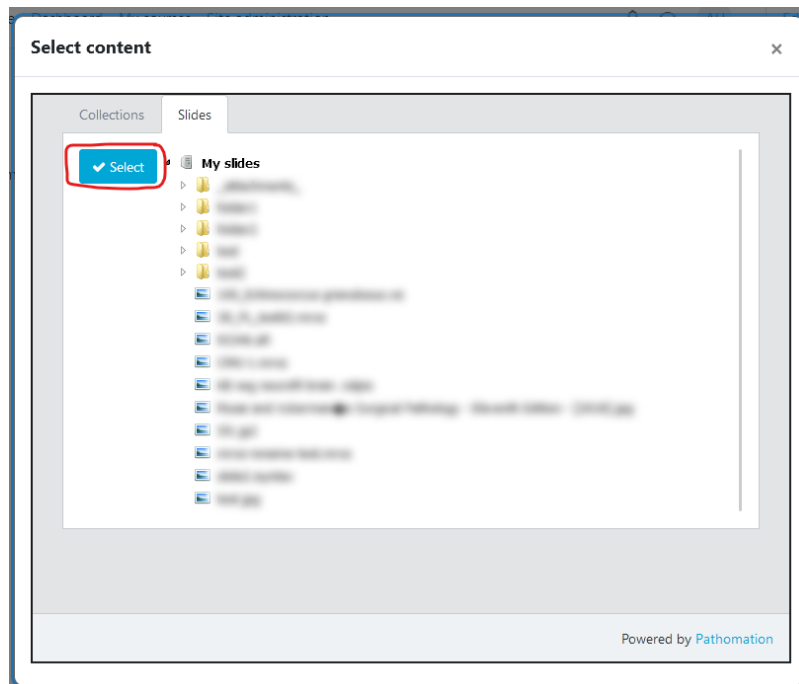




and then click on the Select content button.



On the new popup, select the slide you want to show on course and click the Select button.



Click any of the save buttons and your selected slide will load.

## ✎ Adding a new External tool to Topic 3

[Expand all](#)

### ▼ General

Activity name !

test.jpg

Show more...

Select content

### > Privacy

### > Common module settings

### > Restrict access

### > Activity completion

### > Tags

### > Competencies

Send content change notification ?

Save and return to course

Save and display

Cancel

test-course / test.jpg



External tool Settings More ▾

Mark as done

test.jpg

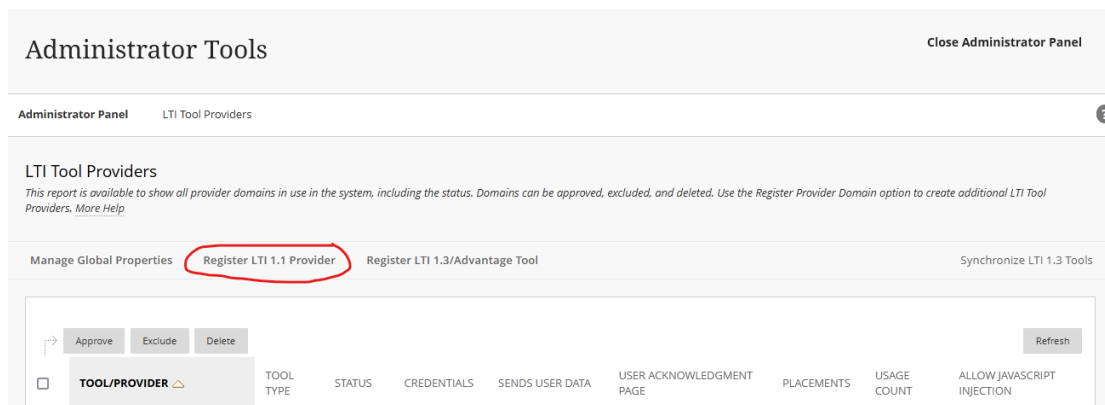
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### 3. Blackboard

**Blackboard** supports LTI-compliant third-party resources and allows users to move smoothly between resources without having to leave **Blackboard**.

#### 3.1 Tool installation

To enable **PMA.LTI** on **Blackboard**, navigate to *Admin > LTI Tool Providers* (inside Integrations panel) and click on the Register LTI 1.1 Provider.



On the new page change:

- **Provider Domain** to the domain **PMA.LTI** is available on,
- **Default configuration** to “Set globally”,
- **Tool Provider Key** to the one specified on **PMA.LTI** configuration page,
- **Tool Provider Secret** to the one specified on **PMA.LTI** configuration page,
- **Send User Data** to “Send user data over any connection”,
- **User Fields to Send** enable all 3 options to have user-based annotation capabilities on slides.

Apply changes made by clicking on the Submit button.



## Register Provider Domain

Create a new registered provider domain, configure, and set policies. The provider domain, and secondary hostnames must be unique.

\* Indicates a required field.

### PROVIDER DOMAIN STATUS

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

\* Provider Domain

Provider Domain Status  
 Approved  
 Excluded

Secondary Hostnames

Enter one hostname per line.

### DEFAULT CONFIGURATION

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

Default Configuration  
 Set separately for each link  
 Set globally

\* Tool Provider Key

\* Tool Provider Secret

Tool Provider Custom Parameters

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

### 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

Allow Membership Service Access  
 Yes  No

Show User Acknowledgment Message  
*You can edit the user acknowledgment message when Membership Service is disabled*  
 Yes  No

Click Submit to proceed.

Cancel



Next step is to configure tool placements, so click on the arrow down button right next to the newly added tool and select the Manage Placements option.

<input type="checkbox"/>		LTI 1.3	Excluded	No	No	1	0	No	
<input type="checkbox"/>			Approved	RS256	Role, Name, Email	No	2	0	No
<input type="checkbox"/>			Approved	Per Link	No	No	1	0	No
<input type="checkbox"/>			Approved	RS256	Role, Name, Email	No	0	0	No
<input checked="" type="checkbox"/>	my-domain.com	LTI 1.1 Tool	Approved	Site	Role, Name, Email	No	1	0	No
<input type="checkbox"/>		LTI 1.1 Tool	Approved	Site	Role, Name, Email	No	2	0	No

Then, click on the Create Placement button.

Administrator Panel LTI Tool Providers Manage Placements: host.pathomation.com

### Manage Placements: host.pathomation.com

Create, Edit, or Delete a Tool Provider Placement. Deleting a Tool Provider Placement will not delete any content associated with it. Links to the placement will no longer function

[Create Placement](#) [Synchronize Placements](#)

NAME <small>△</small>	TYPE	URL
-----------------------	------	-----

On the new page change the following fields:

- **Label** to “Pathomation LTI” (or anything similar, so you can distinct tool),
- **Handle** to “pma.lti” (or anything similar, to uniquely identify tool),
- **Type** to “Deep Linking content tool” and check “Allow student access” checkbox,
- **Tool Provider URL** to the **Content Selection URL** available on **PMA.LTI** configuration page.

Apply changes made by clicking on the Submit button.

Create Placement

The provider specified will always be available through the Create URL workflow. Set the options below if you want this provider to also appear by name to Course Builders and Instructors.

\* Indicates a required field.

---

**PLACEMENT INFORMATION**

\* Label   
The label that displays in the course

Description  
For the toolbar, press ALT+F10 (PC) or ALT+FN+F10 (Mac).  
  
0 WORDS. POWERED BY TINY

\* Handle   
Uniquely identifies the placement

\* Availability  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

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

Proctoring tool  
 Base navigation tool  
 Course navigation tool  
 Cloud document

Launch in New Window

Icon

---

**TOOL PROVIDER INFORMATION**

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

\* Tool Provider URL   
\* Tool Provider Key   
\* Tool Provider Secret

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

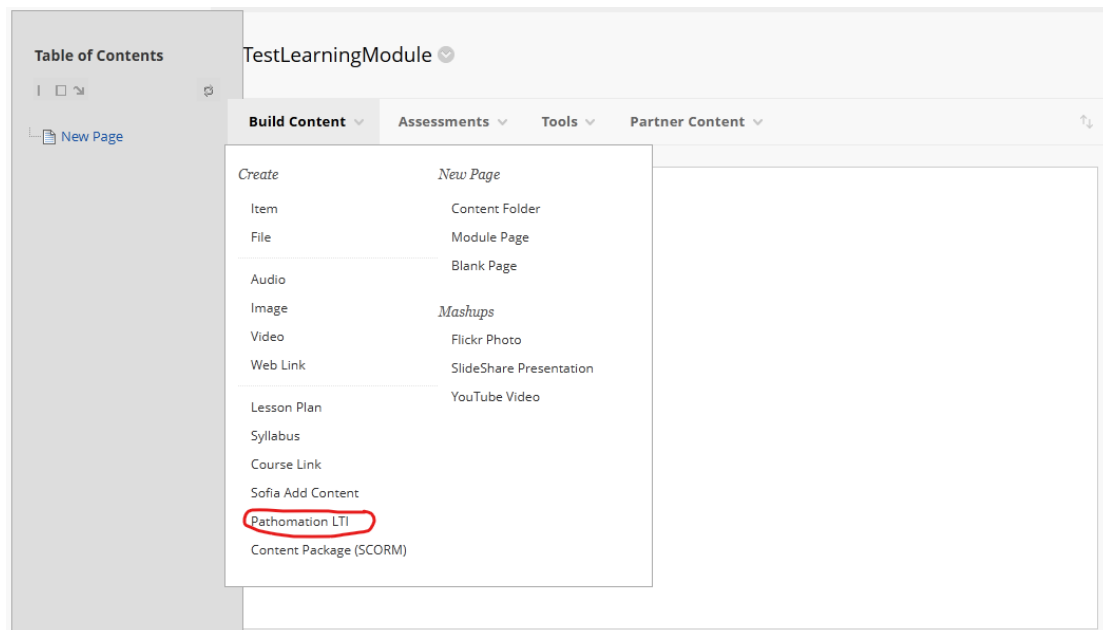
Click Submit to proceed.

Tool is now ready to use on **Blackboard**.

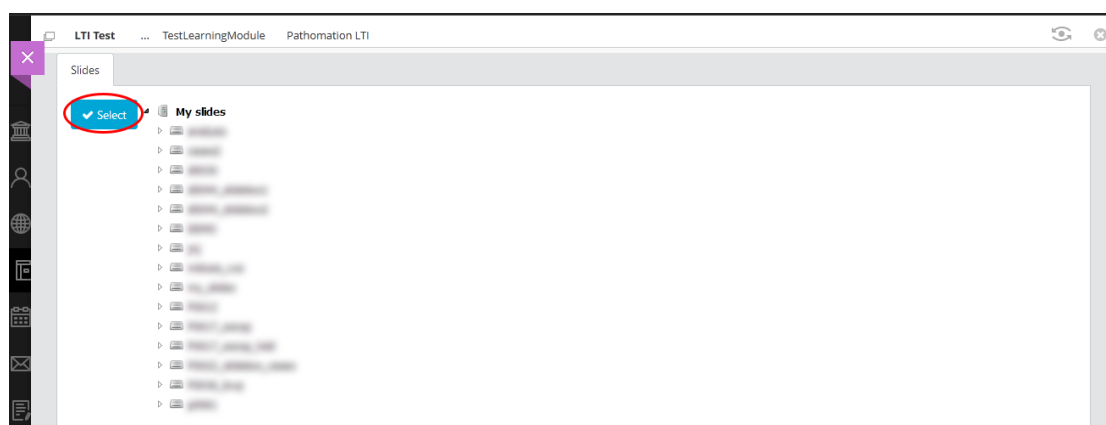
## 3.2 Tool usage

**Blackboard** offers 2 ways to import LTI tool links. First one is by directly import inside a module and second one by embedding inside the page editor.

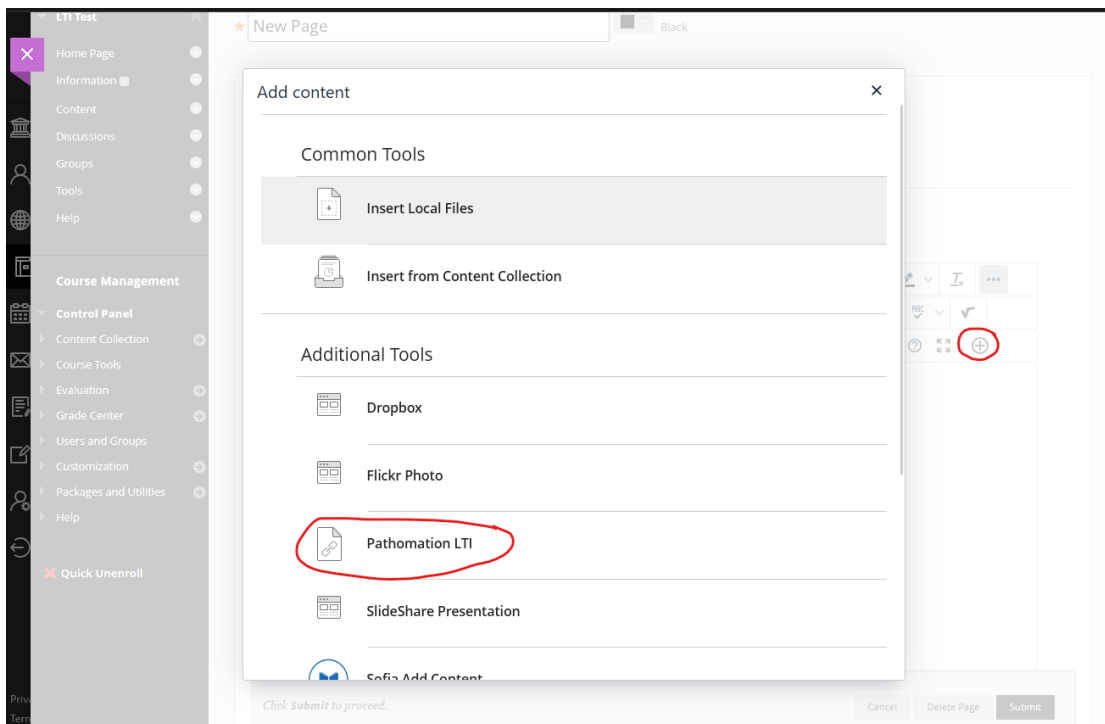
To directly import a slide inside a module, click on **Build Content** dropdown and select “Pathomation LTI” option (or the label you defined for placement).



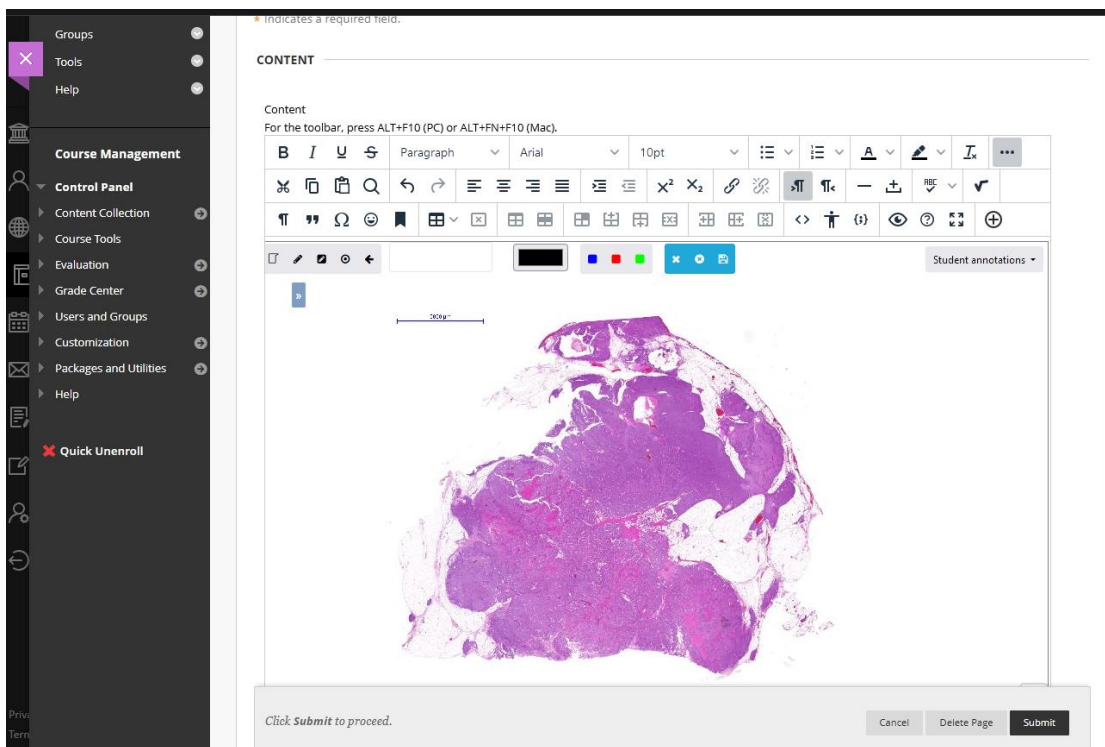
Then, select the slide you want to display and click on the **Select** button.



If you want to embed a slide inside a page, on the page editor click on the plus button and select “Pathomation LTI” option (or the label you defined for placement). Then, select the slide you want to display and click on the **Select** button.



Selected slide will be shown inside the editor and more content can be added.



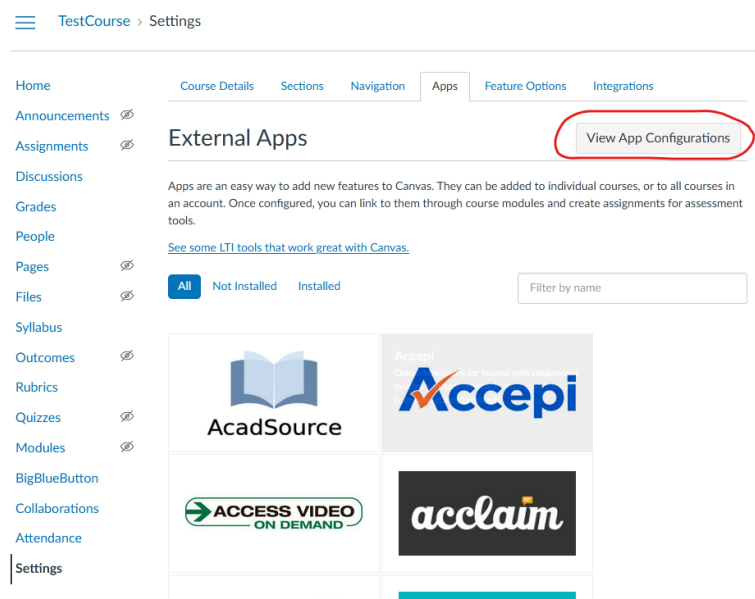


## 4. Canvas

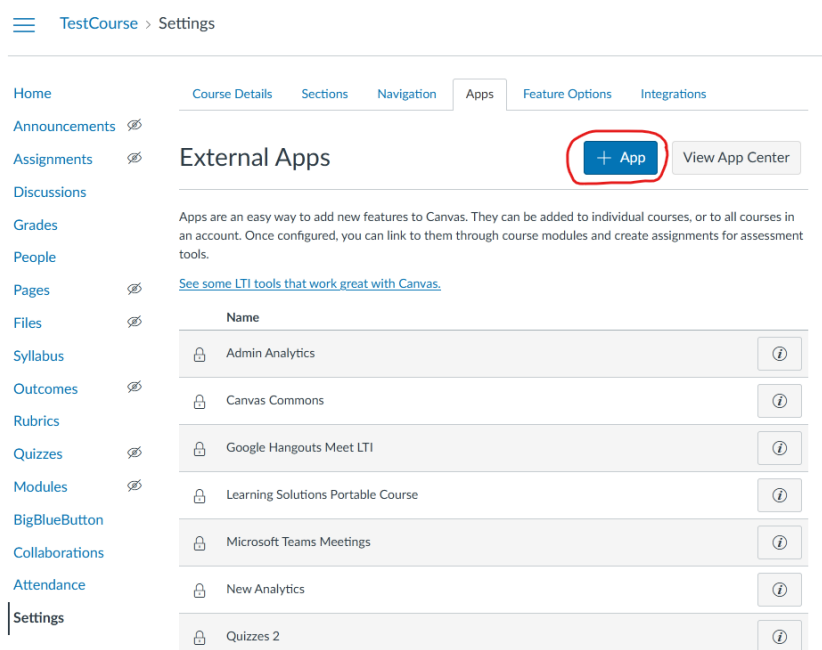
Canvas allows users to import LTI-compliant learning resources using a tool called **External Apps**.

### 4.1 Tool installation

To enable **PMA.LTI** on **Canvas**, while viewing a course, navigate to *Settings > Apps > View App Configurations*.



Then, click on the + App button.



On the **Add App** page change the following fields:


















- **Configuration Type** to “Bu URL”,
- **Name** to “Pathomation LTI” (or anything similar, so you can distinct tool),
- **Consumer Key** to the one specified on **PMA.LTI** configuration page,
- **Shared Secret** to the one specified on **PMA.LTI** configuration page,
- **Config URL** to the one specified on **PMA.LTI** configuration page,

and then click on the Submit button.

The screenshot shows a modal window titled "Add App" with a close button (X) in the top right corner. The form contains the following fields:

- Configuration Type:** A dropdown menu with "By URL" selected and circled in red.
- Name:** A text input field containing "Pathomation LTI", underlined in red.
- Consumer Key:** A text input field containing "11111111-aaaa-bbbb-cccc-1234567890ab", underlined in red.
- Shared Secret:** A text input field containing "auto-generated-secret-key", underlined in red.
- Config URL:** A text input field containing "https://my\_domain.com/Tool/XMLConfiguration", underlined in red.
- Example:** A small text label below the Config URL field that reads "Example: https://example.com/config.xml".
- Buttons:** "Cancel" and "Submit" buttons at the bottom. The "Submit" button is highlighted with a red circle.

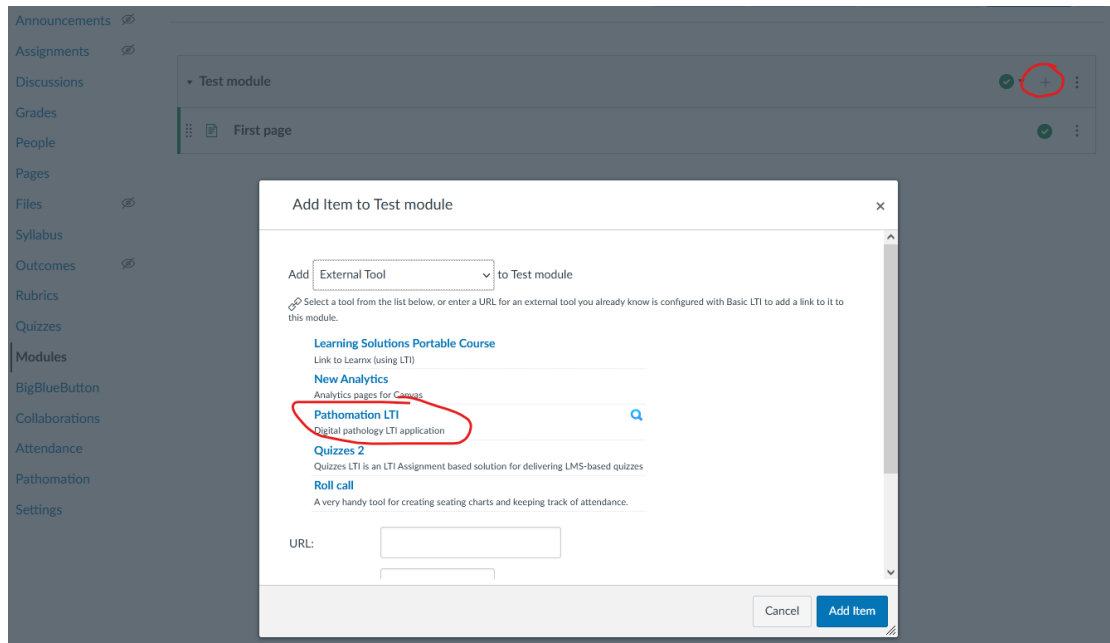
If everything is correct, new tool will be shown in the list.

Name	
 Admin Analytics 	
 Canvas Commons 	
 Google Hangouts Meet LTI 	
 Learning Solutions Portable Course 	
 Microsoft Teams Meetings 	
 New Analytics 	
<u>Pathomation LTI</u> 	
 Quizzes 2 	
 Roll call 	

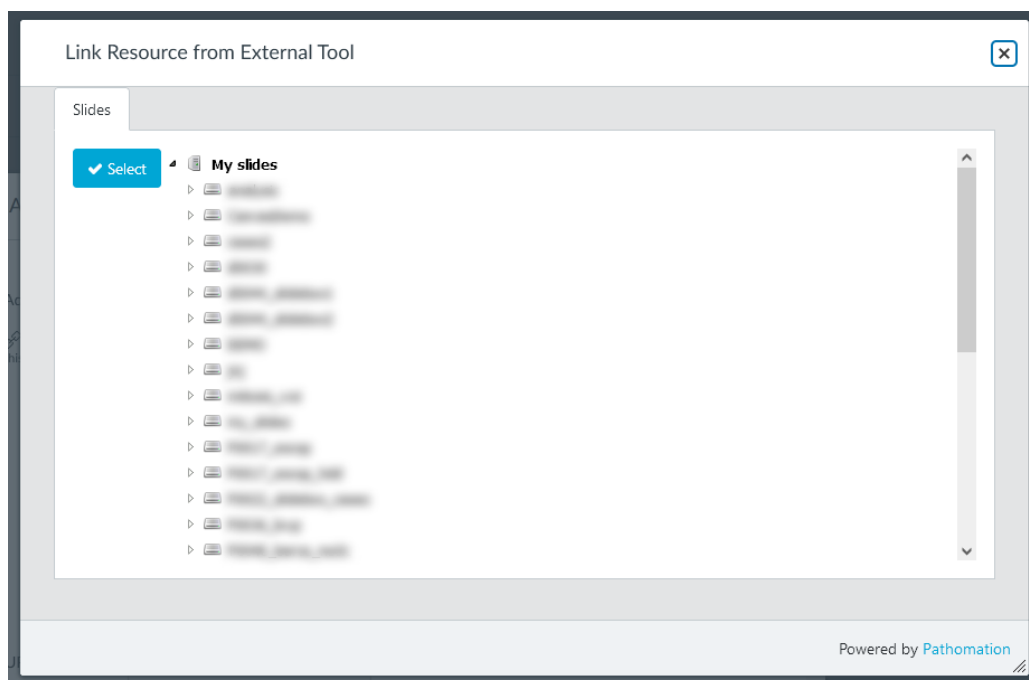
## 4.2 Tool usage

**Canvas** offers 2 ways to import LTI tool links. First one is by directly import inside a module and second one by embedding inside the page editor.

To directly import a slide inside a module, click on the plus button right next to the module and select “Pathomation LTI” option inside External Tools.

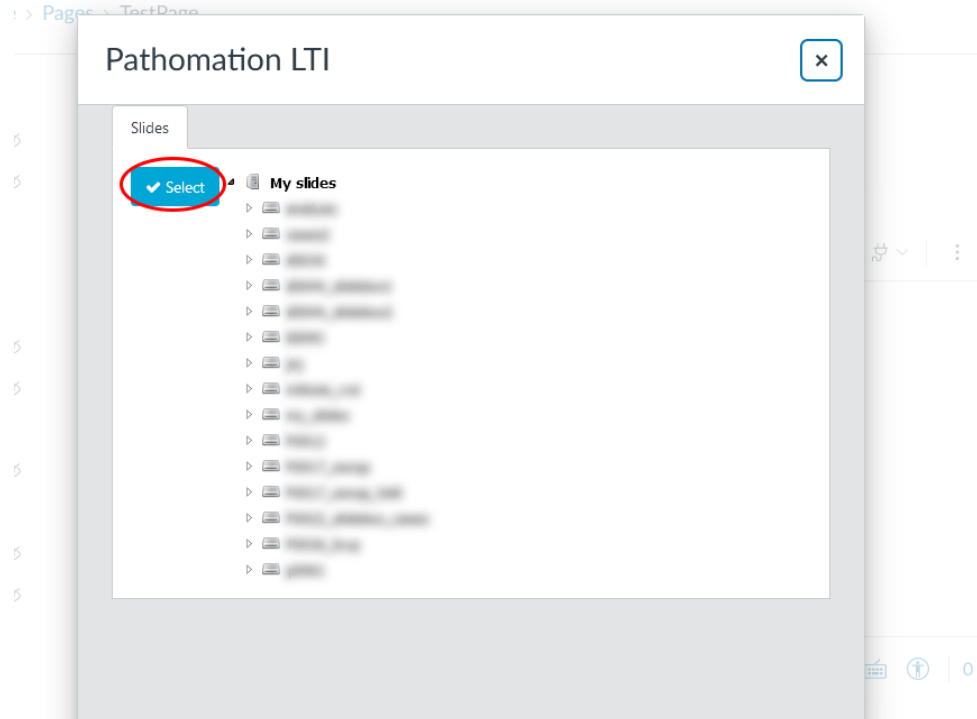


Then, select the slide you want to display and click on the Select button.





Then, select the slide you want to display and click on the Select button.



Selected slide will be shown inside the editor and more content can be added.

