



Integrating CloVER LTI in Open edX



Version 1.0 - June 2018



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The process to integrate CloVER LTI component in Open edX is:

1. Add an LTI consumer in CloVER
2. Enable LTI in your Open edX course
3. Add a new LTI component in your course
4. Choose the LTI component
5. Edit the component
6. Publish your changes
7. Login as a student and try the training lab

Add an LTI consumer in CloVER

In the CloVER gateway, go to > **Settings > Manage LTI consumers** in the Instructor's panel. Then, add a new consumer and make a note of the **Key** and **Secret** that you have filled. You can define a key/secret pair for each course.

► Users

► Desktops

► Monitoring

▼ **LTI administration**

🔗 Manage LTI consumers

Add new consumer

The launch URL for this instance is: <https://cloverlti.procan-group.com/LTI/connect.php>

Name:*

Key:*

Secret:*

Enabled? ☒

Enable from:

Enable until:

Protected? ☐

* = required field

Enable LTI in your Open edX course

Go to your course page (CMS) then **Settings > Advanced Settings**.

- In the Advanced Module List, add “lti” to support LTI components in your course.
- In LTI Passports, add a new entry in the form: lti_id:key:secret,

where the key and secret are the key and secret that you have created in CloVER Settings in the previous step. The LTI ID can be anything (no spaces). For example, it would be: ["test1:course1:D1RJKHncVhzddeRFfZCXhAPaRE9mmJp"]

This step is required for each CloVER Course Lab that you want to add in an edX Course.



Settings

Advanced Settings

Manual Policy Definition

Warning: Do not modify these policies unless you are familiar with their purpose.

Show Depreciated Settings

Advanced Module List

```
[  
  "lti"  
]
```

Enter the names of the advanced components to use in your course.

LTI Passports

```
[  
  "test1:course1:D1RJKHncVhzddefZCXhAPaRE9PmmJp"  
]
```

Enter the passports for course LTI tools in the following format: "id:client_key:client_secret".

Add a new LTI component in your course

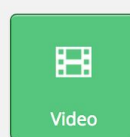
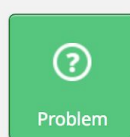
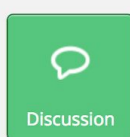
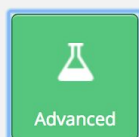
Go to your course outline: **Content** > **Outline** and add a **New Unit** in which you will add your Clover LTI component (**Advanced Component** button appears when you add the new Unit).



Section 1 / Practical 1

TP1

Add New Component



Choose the LTI component

The first screenshot shows the course header 'Procan CS101 IT Course' with navigation tabs 'Content', 'Settings', and 'Tools'. Below, the breadcrumb 'Section 1 / Practical 1' is followed by 'TP1' with an edit icon. A modal dialog is open with 'LTI' in the title bar and a 'Cancel' button.

The second screenshot shows the same interface but with the LTI component selected. The title bar now includes 'EDIT', 'eye', 'copy', 'trash', and 'more' icons. The main content area displays 'LTI (External resource)' and the instruction 'Please provide launch_url. Click "Edit", and fill in the required fields.' Below this is a section titled 'Add New Component' with five green buttons: 'Advanced' (flask icon), 'Discussion' (speech bubble icon), 'HTML' (code icon), 'Problem' (question mark icon), and 'Video' (film strip icon).

Edit the component

Click **Edit** and fill in the fields:

- **Display Name:** the name of the component displayed to the students (exemple: GNS3 SIMULATOR)
- **LTI Application Information:** the description of the CloVER application (for example: Clover Virtual Training Lab).
- **LTI ID** that you used in the **LTI passports** entry.
- **LTI URL** for CloVER (exp: <https://XXXXXX.procan-group.com/LTI/connect>)

Editing: LTI

LTI Application Information

Clover Virtual Training Lab

Enter a description of the third party application. If requesting username and/or email, use this text box to inform users why their username and/or email will be forwarded to a third party application.

LTI ID

test1

Enter the LTI ID for the external LTI provider. This value must be the same LTI ID that you entered in the LTI Passports setting on the Advanced Settings page.
See [the edX LTI documentation](#) for more details on this setting.

LTI URL

<https://xxxxxxxxxprocan-group.com/LTI/connect>

Enter the URL of the external tool that this component launches. This setting is only used when Hide External Tool is set to False.
See [the edX LTI documentation](#) for more details on this setting.

Open in New Page

True

Select True if you want students to click a link that opens the LTI tool in a new window. Select False if you want the LTI content to open in an IFrame.

Save

Cancel

Publish your changes

Once you have added the component, you can **Publish** it to your course (or Preview changes).

Procan CS101
IT Course

Content Settings Tools

Help John

Section 1 / Practical 1

TP1

LTI

EDIT

LTI (External resource)

Clover Virtual Training Lab

View resource in a new window

Add New Component

Advanced

Discussion

HTML

Problem

Video

View Live Version

Preview

Draft (Never published)

Draft saved on Jun 07, 2018 at 13:33 UTC by John

RELEASE:
Unscheduled

WILL BE VISIBLE TO:
Staff and Students

☐ Hide from students

Publish

Discard Changes

Never published

Login as a student and try the training lab

The Virtual Training Lab link appears in the corresponding Unit of the course. A student can navigate in the course and launches the lab exercise.

