



How to Install the GoOpenNC LTI Tool

Overview

The GoOpenNC LTI tool allows educators to embed GoOpenNC content within any Learning Management System that supports LTI 1 or 1.1. It has currently been fully tested for Quality Assurance in Canvas, Moodle, Blackboard, and Schoology.

Content Selection

The LTI tool allows any educator to browse and embed media objects alongside other content within assignments, or select content which comprises entire modules, lessons, or units. All users are able to search content added to GoOpenNC Collections. Additionally, users can also browse or search content from Group Shared Folders and personal My Items libraries, if that content has been configured and made available.

Authentication and Account Provisioning

The tool provides automated authentication and new account provisioning, providing users with an "SSO like" experience. The LTI key/secret pair can also be configured to automatically add new users to a GoOpenNC Group.

LTI Tool Preview Images

Some basic preview images of the tool have been included below. More details about using the LTI tool are available in the "Using the LTI tool" section of this guide.

#GoOpenNC

My Collections

My Groups

Search Resources

My Collections / Mathematics

Filter Resources

Education Standards:

North Carolina Math Sta

Grade:

Subject

Select Some Options

Grade level

Select Some Options

4.MD.4 Assessment Task 2

Course Related Material

Preview

Select

6.EE.2 Assessment 5

Course Related Material

Preview

Select

6.EE.2 Assessment 3

Course Related Material

Preview

Select

6.EE.2 Assessment 2

Course Related Material

Preview

Select

6.EE.2 Assessment 1

Course Related Material

Preview

Select

«

1

2

3

4

...

97

»

Support

This is a screenshot showing what searching a GoOpenNC Collection looks like in the LTI tool.

#GoOpenNC

My Collections

My Items

My Groups

Search Resources

My Items / Saved

Saved

Theater Arts

Submitted

Authored

Remixed

Evaluated

Click, Clack, Moo Cows That Type

Course Related Material

Preview

Select

The City Mouse and the Country Mouse

Course Related Material

Preview

Select

The Bremen Town Musicians

Course Related Material

Preview

Select

A Bad Case of Stripes

Course Related Material

Preview

Select

Arts Integration Lesson: Character Pitches

Course Related Material

Preview

Select

Support

This is a screenshot showing what browsing My Items looks like in the LTI tool.

#GoOpenNC

My Collections

My Items

My Groups

Search Resources

My Groups / STEM User Group

Group Resources

Folder 1

new folder

subfolder

Shared Items

Graphic Arts Technology Model

Course Related Material

Preview

Select

Food Science, Dietetics and Nutrition Model

Course Related Material

Preview

Select

Support

This is a screenshot showing what browsing Group folders looks like in the LTI tool.

Getting Set up in your LMS

Default Canvas LTI Credentials

Key: f989a3bf8ba94b8f8a3c23fca12510ad

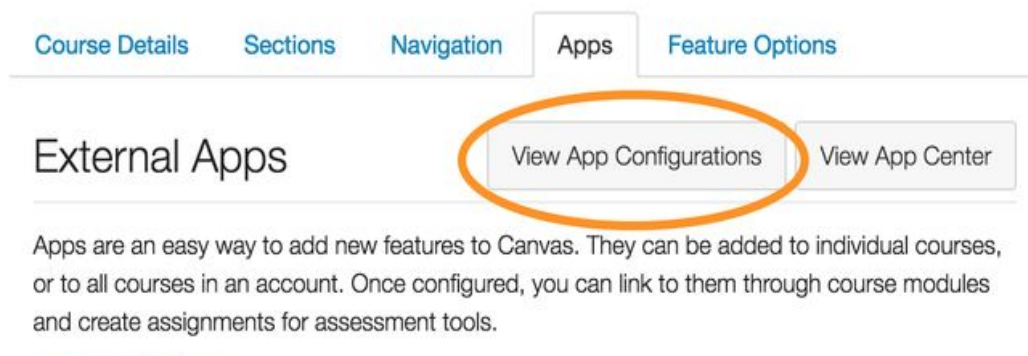
Secret: 8f629f4c092b42458286b5077092be97

GoOpen NC LTI Launch URL: <https://goopennc.oercommons.org/lti/launch>

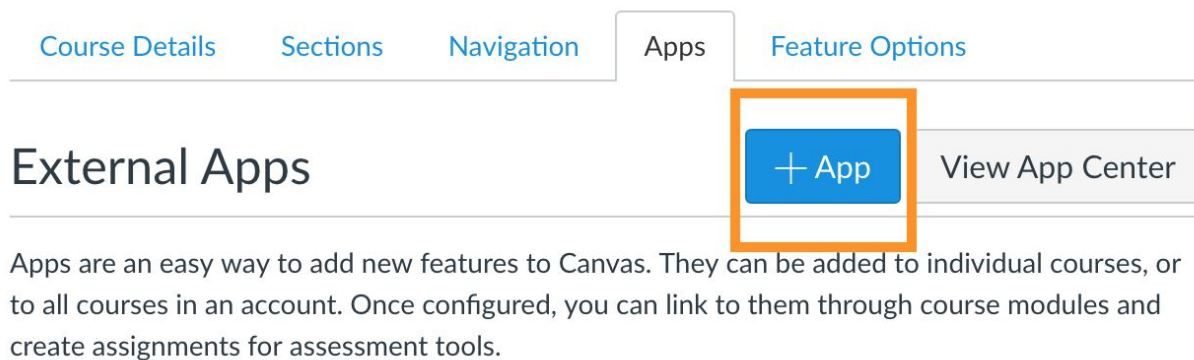
If you would like to configure access to a specific GoOpenNC Group you have created, please specify that in an email to GoOpenNC@oercommons.org before continuing with these directions!

Installing and Configuring the App in Canvas

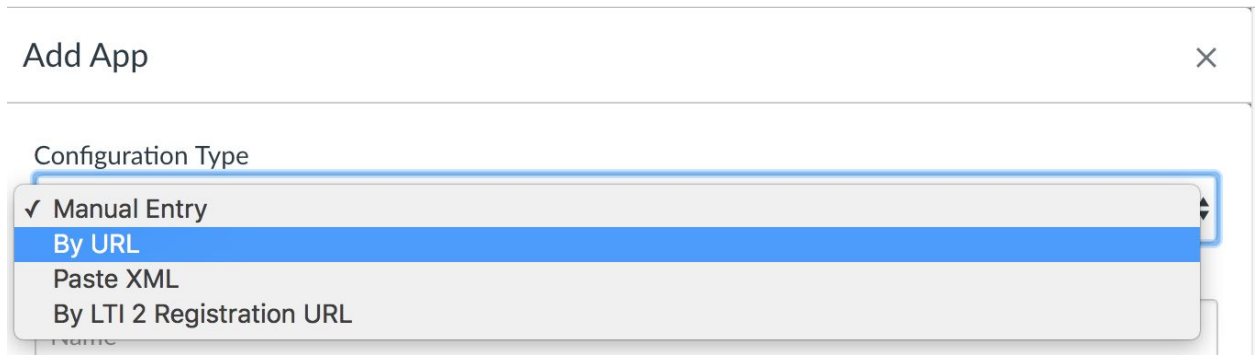
1. [Navigate to the "Apps" section on your Canvas Course](#)
2. Click "View App Configurations"



3. Click the big blue +App button



4. Select “By URL” from the Configuration Type Dropdown



The screenshot shows a modal window titled "Add App" with a close button (X) in the top right corner. Below the title bar, there is a section labeled "Configuration Type" with a dropdown menu. The dropdown menu is open, showing four options: "Manual Entry" (with a checkmark), "By URL" (highlighted in blue), "Paste XML", and "By LTI 2 Registration URL".

5. Enter the Name, and the Key and Secret
6. Paste the following URL into the Config URL input box and click Submit:
<https://www.eduappcenter.com/configurations/aj2ls8boeccjcqek.xml>

Config URL

<https://www.eduappcenter.com/configurations/ns9qrx90ldko1izx.xml>

Example: <https://example.com/config.xml>

Installing and Configuring the App in Moodle

Read: [Adding an External Tool](#)

Configuration Notes

Launch Container

Decide whether you'd like content to launch as embedded inside Moodle, or if you'd like to load the resource in a new tab. Selecting the Default launch container will often result in embedded content. This can be changed by an LMS administrator, so settings vary between institutions.

Adding a new External Tool to 26 February - 4 March Expand all

General

Activity Name*

External tool type ⓘ
Automatic, based on Launch URL + ⊗

Launch URL ⓘ

Launch Container ⓘ
Default ⌵

Show more...

Selecting Moodle Launch Container.png This is an annotated screenshot highlighting the Launch Container selection field in the Moodle External Tool General Settings window.

Installing and Configuring the App in Blackboard

Configuration Notes:

You *must* configure *both* an LTI Tool Provider and an LTI Placement

Setting up the LTI Tool Provider:

Provider domain: goopennc.oercommons.org

Privacy settings: You *must* allow Blackboard to send *Role in Course* and *User Email* with LTI launch requests.

Setting up the LTI Placement:

Supported Placement: Course Content Tool

Launch URL: <https://goopennc.oercommons.org/lti/launch>

Using the LTI Tool to Manually Embed Custom Content

Any GoOpenNC LTI Link can be configured to direct users to any page on the GoOpenNC platform that logged in users can access. For example, this might be a Group Discussion board page, or a specific Collection.

When you use an LTI Link to embed content, rather than simply copy/pasting the URL, you get the added benefit of the automated authentication and account provisioning. This means users will be logged in automatically and added as a member of your Group without having to manually manage membership enrollments.

Configuring Custom Redirect

Most Learning Management systems allow you to enter *custom parameters* when you configure LTI links.

The GoOpen tool uses a **custom_redirect_url** parameter to redirect launch requests to a specific GoOpen URL.

Most Learning Management Systems append the "custom" automatically when you enter a custom parameter. In Canvas, Blackboard, and Moodle this is the case. Because of this, you should simply enter **redirect_url**

Troubleshooting and Technical Documentation

Safari SSO Issue

The Problem: I am using Safari and I can't seem to login to the LTI Tool no matter what I do! I've even tried changing my password via reset password from email, and it still doesn't work.

The Solution:

1. Check your cookie settings, and make sure you are allowing third party cookies. If you are strict about your cookie settings, you may need to whitelist goopennc.oercommons.org
2. Close out of the LTI Tool
3. Open the [GoOpenNC Homepage](#) in a new tab and login
4. Launch the LTI tool again

The Reason

Safari does a lot to protect your privacy, and ensure third parties aren't tracking you without your consent. Because of this, Safari won't allow third parties to set cookie information, if it looks like you haven't visited the site recently. This means we can't set an SSO cookie if you've recently cleared your history, are using Safari for the first time, or are using Safari on a new device. Opening the GoOpenNC homepage and logging in will fix this problem, because it indicates to Safari that GoOpenNC is a site you use intentionally. Technical details can be found here: <https://webkit.org/blog/7675/intelligent-tracking-prevention/>

Other Technical Documentation

The GoOpenNC LTI Tool Provider conforms to the IMS LTI 1.1 Standard: <https://www.imsglobal.org/specs/ltiv1p1/implementation-guide>

We also support Content Item Message Extension, or Deep Linking:

Required Parameters

The following parameters must be present in LTI launch request sent by the Tool Consumer

- One of the following content identification parameters:
 - a.) resource_link_id (alphanumeric GUID)
 - b.) custom_redirect_url (full URL pointing to content on the GoOpen platform, used in manual config only)
- tool_consumer_instance_guid
- role
- email
- userid

**If parameters do not conform exactly to the parameters listed above, the LTI tool will return a missing parameter error.*

Optional Parameters

- launch_presentation_return_url

If this parameter is present it will be used to redirect a user when a resource is selected in the picker interface. Otherwise, user is redirected to the specified GoOpen content page.

Error Messages

If the cause of the error is known, the LTI tool will return an error message with debugging information. The most common cause of errors is missing LTI parameters.