

Brightspace/D2L

Last Modified on 06/30/2026 1:48 pm EDT

Note: If you are transitioning from Norton 1.1, we recommend following the steps detailed below between semesters.

Overview

This document provides step-by-step instructions for setting up Norton's LTI 1.3 Learning Tools and the Deep Linking Tool in Brightspace/D2L.

To obtain the required OIDC login url, please reach out to ltisupport@wwnorton.com

Follow the instructions to add two Norton LTI 1.3 tools to your LMS.

Part 1 provides instructions for adding the Norton Learning Tools, which allows for our legacy links to work. This ensures a seamless transition for instructors who have 1.1 links in their course, or plan to upload new files containing those links.

Part 2 provides instructions for adding the Norton Deep Linking tool, which has deep linking enabled. Deep linking will make your instructors' course set up much easier going forward. As we build additional services into our newer tool, we will eventually deprecate the older one.

- In LTI 1.3 integrations, the LMS platform and tool must **exchange** security information.
- When you integrate with Norton Learning Tools, you'll receive some information from your Norton contact and send some information back to them.
- This entire exchange must be completed before you can test the tools and start using them.

Note: The directions below may vary depending on your campus's instance of Brightspace/D2L.

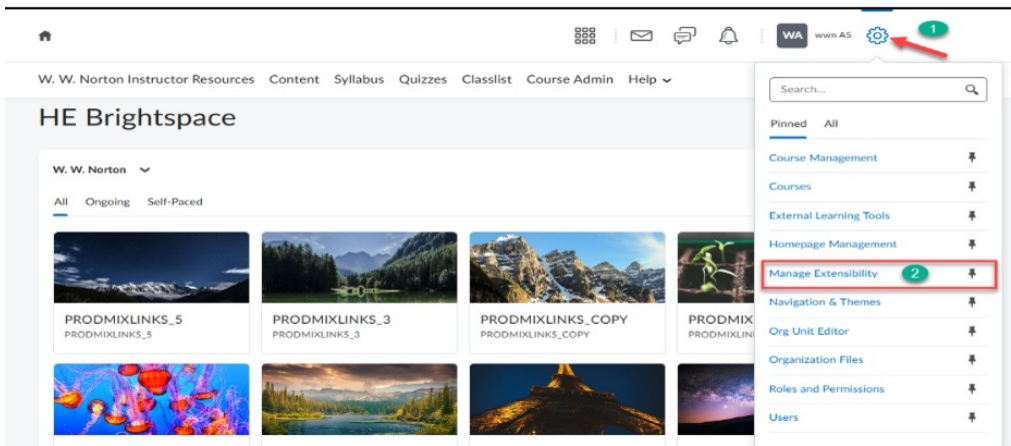
Part 1: Register W. W. Norton Learning Tools

Before you begin:

- You've discussed this integration with a representative from Norton.
- Your Norton contact has sent you an **OIDC Login URL** for the Norton Learning Tools

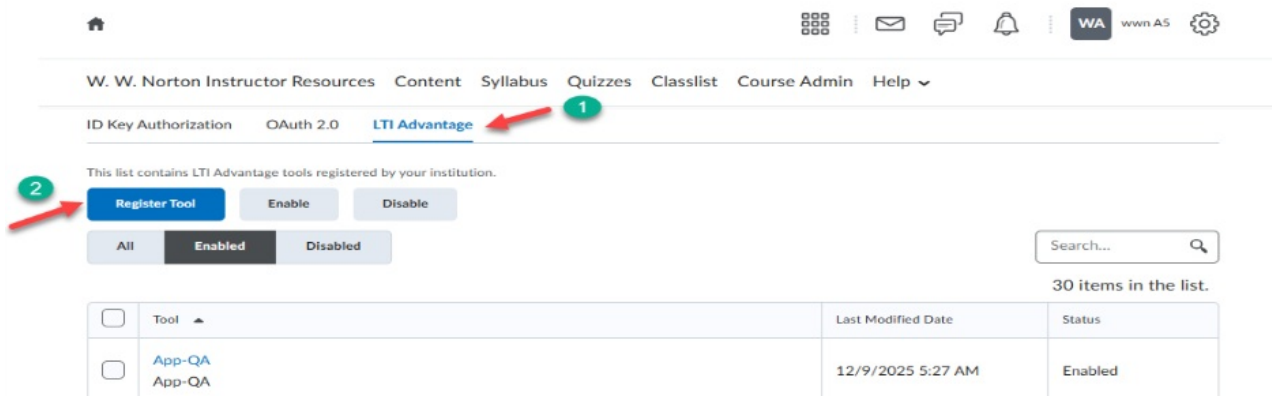
Note: The integration won't be ready to test or use right away. You'll need to send some information back to your Norton contact first. They'll let you know when the integration is complete and ready to test.

1. Go to **Manage Extensibility** from your account menu



2. When the Manage Extensibility screen opens

- Click the **LTI Advantage** tab, then
- Click the **Register Tool** button



- Select **Standard**
- Toggle **Enabled on**
- **Name:** W. W. Norton Learning Tools, LTI 1.3
- **Description:** W. W. Norton Learning Tools, LTI 1.3
- **Domain:** https://ncia.wwnorton.com
- **Redirect URLs:** https://ncia.wwnorton.com/lti-1-3/lti_launch.php
- **OpenID Connect Login URL:** Your Norton contact will have sent you this URL
- **Keyset URL:** https://ncia.wwnorton.com/services/lti-keyset.php
- **Extensions**
 - Select: **Assignment and Grades Services**
- **Roles:**
 - Select **Send Institution Roles** (checked by default)

Enabled



Name *

W. W. Norton Learning Tool, LTI 1.3

Description

W. W. Norton Learning Tool, LTI 1.3

Domain *

https://ncia.wwnorton.com

Redirect URLs *

https://ncia.wwnorton.com/lti-1-3/lti_launch.php



+ Add Redirect URL

OpenID Connect Login URL *

https://ncia.wwnorton.com/lti-1-3/login.php?token=0Osp3F9fhk

Target Link URI



Keyset URL

https://ncia.wwnorton.com/services/lti-keyset.php

Extensions

What are Extensions?

- Assignment and Grade Services
- Names and Role Provisioning Services
- Platform Notification Service
- Asset Processor

Roles

- Send Institution Role

3. Save the record by clicking on the **Register** button

Send the Registration Details to W. W. Norton

4. Copy the Brightspace Registration Details into a text document or paste into an email and send it to your Norton contact.

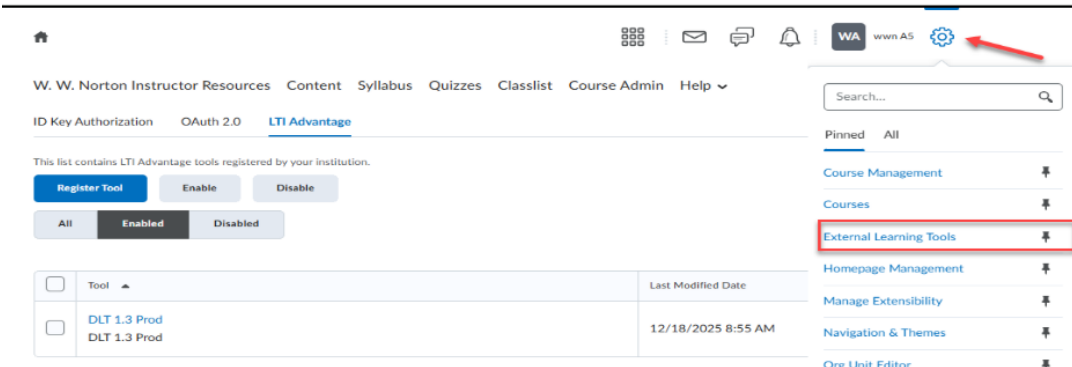
5. Your Norton contact will finish the integration. Once you've sent this message, you'll need to wait for their reply

Deploy the W. W. Norton Learning Tools LTI 1.3 Tool

Before you begin:

- You've sent the Registration Details to your contact at W. W. Norton.
- Your Norton contact has confirmed that the integration is complete, and ready to deploy and test.
- You can deploy the External Learning Tool for the entire account, or for smaller units of your organization

- In Brightspace/D2L, go to the **External Learning Tools** management area from your account menu
- Click the **LTI Advantage** tab, and click the **New Deployment** button



3. You'll see a form for deploying the tool

4. Enter the Deployment details

- Toggle **Enabled** on
- Toggle **Auto Migrate** Links on
- Select the Extension Name from the Tool dropdown menu, W. W. Norton Learning Tools, LTI 1.3
- **Name:** W. W. Norton Learning Tools, LTI 1.3
- **Description:** W. W. Norton Learning Tools, LTI 1.3
- **Extensions:** Select **Assignment and Grade Services**
- **Security Settings**, select these setting options:
 - **User Information** - If you select this first, all other User settings will be selected by default.
 - Name
 - First Name
 - Middle Name
 - Last Name
 - Email
 - User ID
 - Username
 - Org Defined Id

Security Settings

Select the information to share with the tool:

User Information

Name

First Name

Middle Name

Last Name

Email


User ID


Username


Org Defined Id

- **Configuration Settings**, select **Open as External Resource**

Configuration Settings

Open as External Resource 

Grades created by LTI will be included in Final Grade 

Auto Create Grade Items 

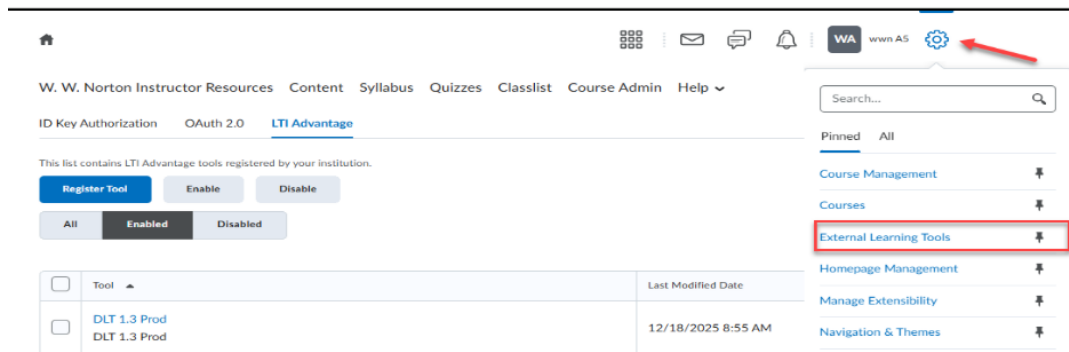
6. On the **Add Org Units** window, look up the courses you'll be adding the tool to, select them, and click on the **Add**

Button

7. Click the **Create Deployment** button

Create a Test Link for the Tool

1. With the Deployment page open scroll down and find “**View Links**”. Click this to open Links. Note: if you closed it, just click on the Name of your deployment to reopen it.



The screenshot shows the 'LTI Advantage' page in Canvas LMS. The top navigation bar includes 'W. W. Norton Instructor Resources', 'Content', 'Syllabus', 'Quizzes', 'Classlist', 'Course Admin', and 'Help'. Below this, there are tabs for 'ID Key Authorization', 'OAuth 2.0', and 'LTI Advantage'. The main content area displays a table of LTI Advantage tools. The table has columns for checkboxes, tool names, and last modified dates. A red arrow points to the gear icon in the top right corner. A red box highlights the 'External Learning Tools' menu item in the right-hand navigation pane.

<input type="checkbox"/>	Tool	Last Modified Date
<input type="checkbox"/>	DLT 1.3 Prod DLT 1.3 Prod	12/18/2025 8:55 AM

2. Click **New Link**

3. On the **Create Link** Page:

- Toggle **Enable** on
- **Name:** W. W. Norton Test Link
- **URL:** <https://ncia.wwnorton.com/test>
- **Description:** W. W. Norton Test Link
- **Type:** leave the selection as **Basic Launch**
- **Substitution Parameters:** leave as is
- **Custom Parameters:** leave as is

4. Click the **Save and Close** button



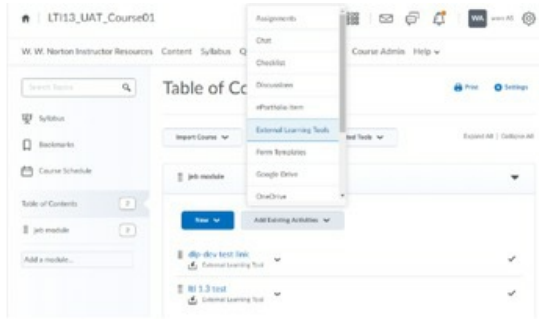
The screenshot shows the 'Create Link' form in Canvas LMS. The form includes fields for Name, URL, and Description. The Type is set to 'Basic Launch'. There are sections for Substitution Parameters and Custom Parameters, both with 'No Items Found' messages. The form ends with 'Save and Close', 'Save', and 'Cancel' buttons.

Place the Test Link in a course shell, add a grade item and launch the Test Link while impersonating a student

5. Go to the test course where you made the **Tool Deployment** available. (Click the select a course icon, then choose your test course)



6. Go to the **Content** area, and in a **Module**, select **Add Existing Activities** and then **External Learning Tools**



7. Scroll down to find the Test Link that's associated with the W. W. Norton Learning Tool in the **LTI Advantage Deployment** column

Note: If you don't see it on this screen, then double-check the **Add Org Units** where the Tool Deployment is made available and add the course to the Org Units

8. Click the link to add it to the Module in the Content area of the course

9. Next to the assignment link, click on the carrot symbol and select **View Topic**

- The Test link will open in a new tab

10. Close the **Test Page** tab for now and return to Brightspace/D2L. We need to manually **Add a Grade Item** to the Test Link activity

11. Under **Activity Details** look for **Assessment** and select **Add a Grade Item...**

12. Select + sign to add a **New Grade Item**

- Name the New Grade Item – W. W. Norton Test Link
- Click the **Create** button
- Click **Save**

13. Before launching the **W. W. Norton Test Link**

- Click on **Classlist** and add an existing student user or create and enroll a new student user
- Click on the carrot symbol next to the student you just added
- Click on **Impersonate**
- Click **“Yes”** to impersonate the student


14. Click **Content** to find the **W. W. Norton Test Link**

15. Launch the **W. W. Norton Test Link**

16. If the tool is configured correctly, the Test Page will open and display a list of parameters expected to be included in the launch

17. Make sure you see green checkmarks for “Single sign-in” and “Automatic grade transfer” at the top of the page.

W. W. Norton LMS Integration Test Page



Success!
LMS integration test successfully launched; communication has been established via LTI between the LMS (the "Tool Consumer") and W. W. Norton (the "Tool Provider").

✔ Single sign-in should be enabled.

✔ Automatic grade transfer should be enabled. [Send Test Grade](#)

Test successful! Please check your gradebook to confirm that a grade of 10% was received by the LMS.

LTI parameters received:

- ✔ LMS ID:4b77c501-5da0-4e61-a883-c94190d36cba
- ✔ LMS Course ID:8137
- ✔ LMS Activity ID:90893_8137
- ✔ LMS User ID:8e2b95d9-316d-4480-a2a0-af115719b2b2_1993
- ✔ LMS Role (instructor or student):student
- ✔ Grade post-back URL*:https://wwnorton.d2l-partners.brightspace.com/d2l/api/lti/ags/2.0/deployment/51728743-c419-4799-9715-8ea668c1668c/orgunit/8137/lineitems/e89f85d8-f0d7-4c2f-984c-3a6bab01b99f
- ✔ Grade post-back ID*:8e2b95d9-316d-4480-a2a0-af115719b2b2_1993

18. Click the button to Send a Test Grade
19. Make sure you see a message that the grade was received by the gradebook
20. If the Test Page fails to launch, if some parameters are shown with red X values, or if the test grade fails with an error, open the "Toggle Debugging Information" button
21. Take a screenshot of the Test Page and copy the Toggle Debugging Information
22. Attach the screenshot and paste the debugging information into an email and send it to your Norton contact.
23. Go back to Brightspace/D2L as the Student and check on **Grades** to verify that a successful 1% was transferred to the gradebook
24. Close the tab and click the **X** to stop impersonating the student
25. Email your Norton representative a screenshot of the results so that we can validate that all worked as it should

Part 2: Register the W. W. Norton Deep Linking Tool

1. Login to Brightspace/D2L as an Admin
2. Go to **Manage Extensibility** from your account menu
3. When the **Manage Extensibility** screen opens
 - Click the **LTI Advantage** tab, then
 - Click the **Register Tool** button
4. Enter the LTI Advantage tool Registration Details
 - Select: **Standard**
 - Toggle **Enabled** on

- **Name:** W. W. Norton Deep Linking
- **Description:** W. W. Norton Deep Linking
- **Domain:** <https://nlt.wwnorton.com>
- **Redirect URLs:** <https://nlt.wwnorton.com/lti-router-13/launch>
- **OpenID Connect Login URL:** <https://nlt.wwnorton.com/lti-router-13/login>
- **Target Link URI:** <https://nlt.wwnorton.com/lti-router-13/launch>
- **Keyset URL:** <https://digital.wwnorton.com/services/lti-keyset.php>
- **Extensions:** Select the following:
 - **Names and Role Provisioning Services**
 - **Assignment and Grade Services**
- **Roles:**
 - **Send Institution Roles** (checked by default)

5. Save the record by clicking on the **Register** button.

[+ Add Redirect URL](#)

OpenID Connect Login URL *

Target Link URI

Keyset URL

Extensions
 What are Extensions?
 Assignment and Grade Services
 Names and Role Provisioning Services
 Platform Notification Service
 Asset Processor

Roles
 Send Institution Role

Substitution Parameters
 What are Substitution Parameters used for?

[+ Add Substitution Parameter](#)

Custom Parameters
 What are Custom Parameters used for?

[+ Add Custom Parameter](#)

Register

Brightspace Registration Details

Client Id

65848370-8da5-4692-90f4-288bfd4bfa9e

Brightspace Keyset URL

<https://wwnorton.d2l-partners.brightspace.com/d2l/.well-known/jwks>

Brightspace OAuth2 Access Token URL

<https://auth.brightspace.com/core/connect/token>

OpenID Connect Authentication Endpoint

<https://wwnorton.d2l-partners.brightspace.com/d2l/lti/authenticate>

Brightspace OAuth2 Audience

<https://api.brightspace.com/auth/token>

Issuer

<https://wwnorton.d2l-partners.brightspace.com>

Send the Registration Details to W. W. Norton

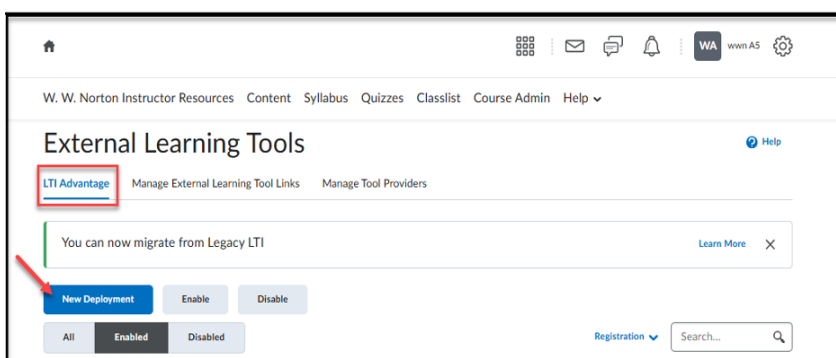
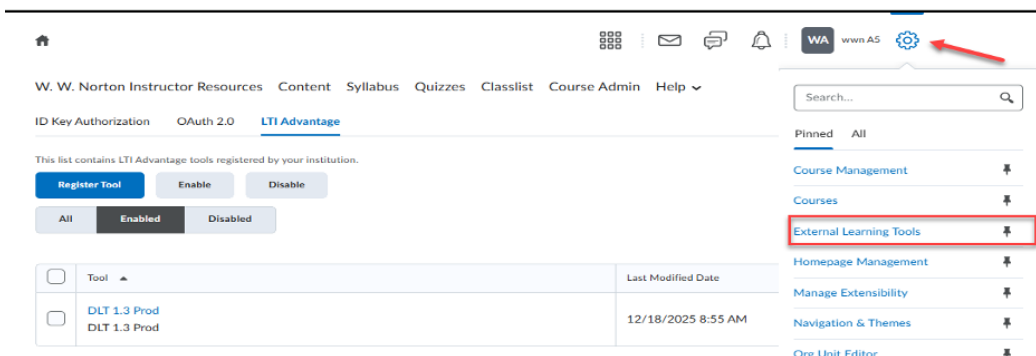
6. Copy the Brightspace Registration Details into a text document or paste into an email response to your Norton contact.
7. Your Norton contact will need the details to complete the registration on their end.

Deploy the W. W. Norton Deep Linking Tool

Before you begin:

- You've sent the Registration Details to your contact at Norton.
- Your Norton contact has confirmed that the integration is complete, and ready to deploy and test.
- You can deploy the External Learning Tool for the entire account, or for smaller units of your organization.

1. From the gear menu select **External Learning Tools**
2. Click the **LTI Advantage** tab, and click the **New Deployment** button



3. Enter the Deployment details

- Toggle **Enabled** on
- Toggle **Auto Migrate Links** off
- Select the Extension Name from the **Tool** dropdown menu: **W. W. Norton Deep Linking**
- **Name:** W. W. Norton Deep Linking
- **Description:** W. W. Norton Deep Linking
 - **Extensions:** Select
 - **Assignment and Grade Services**
 - **Security Settings**, select these setting options:
 - **User Information** - If you select this first, all other User settings will be selected by default.

- Name
 - First Name
 - Middle Name
 - Last Name
- Email
- User ID
- Username
- Org Defined Id.

Enabled

Auto Migrate Links

Tool *

Name *

Description

Extensions
[What are Extensions?](#)
 Assignment and Grade Services
 Names and Role Provisioning Services
 Platform Notification Service
 Context Copy Notice
 Asset Processor

Security Settings
 Select the information to share with the tool:
 User Information

- Name
 - First Name
 - Middle Name
 - Last Name
- Email
- User ID
- Username
- Org Defined Id

 Classlist including users not known to this deployment

- **Configuration Settings** select all three
 - **Open as External Resource**
 - **Grades created by LTI will be included in Final Grade**
 - **Auto Create Grade Items**
- Click the + **Add Custom Parameter**
 - Enter:
 - **Name:** custom_course_id
 - **Value:** \$Brightspace.course.id
- Click the + **Add Custom Parameter** once more
 - Enter:
 - **Name:** PostMessageToken
 - **Value:** \$com.Brightspace.PostMessageToken
- **Note:** If the **Course Offering** was created before the **External Learning Tool** was added, click the **“Add Org Units”** button and Search for the Course Offering, or Department created for the Tool.

4. Click the **Create Deployment** button

Configuration Settings 8

- Open as External Resource
- Grades created by LTI will be included in Final Grade
- Auto Create Grade Items

Substitution Parameters

What are Substitution Parameters used for?

Name *	Value *
<input type="text"/>	Select Substitution Parameter

+ Add Substitution Parameter

Custom Parameters

What are Custom Parameters used for?

Name *	Value
custom_course_id	\$Brightspace.course.id
PostMessageToken	\$com.Brightspace.PostMessageToken

+ Add Custom Parameter

Make tool available to:

Add Org Units

The Organization: HE Brightspace, HE

10 **Create Deployment** Cancel

- **Note:** If the **Course Offering** was created before the **External Learning Tool** was added, click the “**Add Org Units**” button and Search for the Course Offering, or Department created for the Tool.

Create Links

1. After Creating deployment Click **View Links**

Brightspace Deployment Details

Deployment Id
3ecbc9fb-72a2-485e-a3df-3cb3b87efc82

View Links

Save and Close Save Cancel

2. When **Links** opens Click “**New Link**”

W. W. Norton Instructor Resources Content Syllabus Quizzes Classlist Course Admin Help

LTI Advantage Deployments > DLT - Prod - deployment > Links

Links

New Link Enable Disable

All Enabled Disabled

Filter by Type Search...

1 item in the list.

Link Name	Last Modified Date	Status	Type
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3. Enter the **Link** details

- Toggle **Enabled** on

- **Name:** W. W. Norton Deep Linking Tool
- **URL:** <https://services.prod.wwnorton.com/lti-router-13/dlt>
- **Description:** W. W. Norton Deep Linking Tool
- **Type:** Deep Linking Quicklink
 - **Width:** 1200
 - **Height:** 800

Note: The Custom Parameters should be inherited from the Deployment by default. If they are not please add them again.

- Click the **Save and Close** button

W. W. Norton Instructor Resources Content Syllabus Quizzes Classlist Course Admin Help

LTI Advantage Deployments > DLT - Prod - deployment > Links > Create Link

Create Link

Enabled 1

Name *
Integration DLT 1.3 prod 2

URL *
<https://services.prod.wwnorton.com/lti-router-13/dlt> 3

Description

Type 4
 Deep Linking Quicklink
 Basic Launch
 Deep Linking Insert Stuff
 Deep Linking Quicklink
 Widget

Width 1200 5 Height 800

+ Add Substitution Parameter

Custom Parameters

What are Custom Parameters used for?

Name *	Value
custom_course_id	`\${Brightspace.course.id}`
PostMessageToken	`\${com.Brightspace.PostMessageToken}`

+ Add Custom Parameter

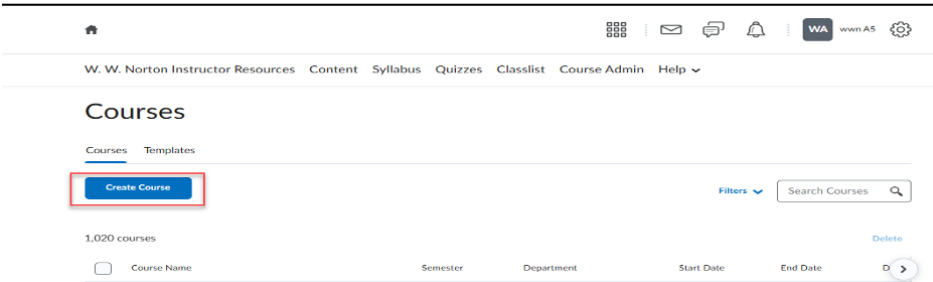
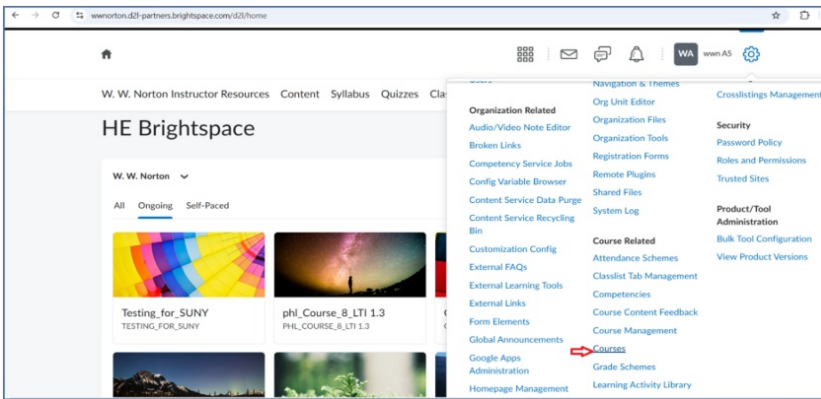
7 Save and Close Save Cancel

Note: Once saved, this link is now available to any course created under an Org Unit that has access to the parent deployment of this link.

Test the W. W. Norton Deep Linking Tool

Step 1: Create a Course

1. Go to the Gear Menu and Select the option **Courses**
2. Click the **Create Course** button
3. Enter the Course Name and Course Code



4. Click on the **Choose Department**

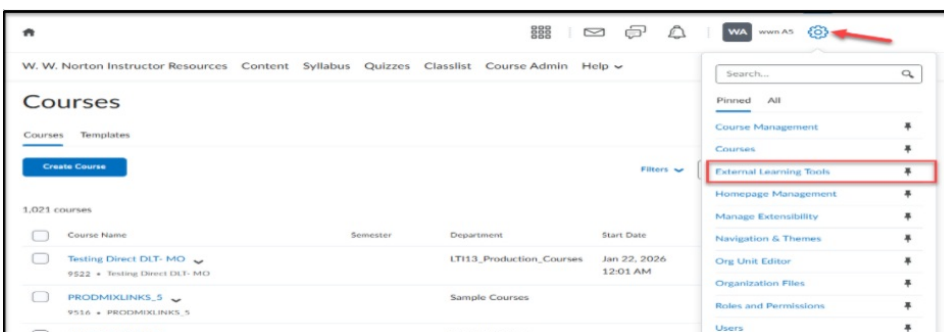
- Create a Department for this Tool
- **Click the Create Department** button
- Add a **Name and Code**
- **Click the Save** button
 - Or, select the Department already created for the Deep Linking Tool
 - Click the **Done** button

5. Select the Start Date and End Date of the Course

6. Click on the Save button (Note: By default, the toggle button should be Active)

Step 2: Add the course to the Org Unit

7. Select the External Learning Tools from the menu gear



8. Click the deployment name

W. W. Norton Instructor Resources Content Syllabus Quizzes Classlist Course Admin Help

External Learning Tools

LTI Advantage Manage External Learning Tool Links Manage Tool Providers

You can now migrate from Legacy LTI [Learn More](#)

New Deployment Enable Disable

All Enabled Disabled Registration DLT

7 search results.

<input type="checkbox"/>	Deployment Name	Registration Name	Enabled Extensions	Last Modified Date	Status
<input type="checkbox"/>	dlt - dev - deployment	DLT - Dev	<input checked="" type="checkbox"/> Assignment and Grade Services <input checked="" type="checkbox"/> Names and Role Provisioning Services	12/9/2025 6:30 AM	Enabled
<input type="checkbox"/>	DLT - Prod - deployment	DLT 1.3 Prod	<input checked="" type="checkbox"/> Assignment and Grade Services	1/22/2026 7:44 AM	Enabled
<input type="checkbox"/>	DLT - QA - deployment	DLT 1.3 New QA	<input checked="" type="checkbox"/> Assignment and Grade Services	1/20/2026 5:38 AM	Enabled

9. Click Add Org Units

What are Custom Parameters used for?

Name *	Value
custom_course_id	\$Brightspace.course.id
PostMessageToken	\$com.Brightspace.PostMessageToken

+ Add Custom Parameter

Make tool available to:

Add Org Units A

The Organization: HE Brightspace, HE

10. Select the course offering

11. Click the Add button

Add Org Units

Filter by Org Unit Type B

Choose Org Unit Type Search...

<input type="checkbox"/>	Testing Direct DLT- MO, T_Testing Direct DLT- MO	Course Template	<input checked="" type="radio"/> This org unit <input type="radio"/> All descendants <input type="radio"/> This org unit and all descendants
<input checked="" type="checkbox"/>	Testing Direct DLT- MO, Testing Direct DLT- MO	Course Offering	

< 1 / 1 > 20 per page

Add Cancel

12. Click Save and Close

What are Custom Parameters used for?

Name *	Value
custom_course_id	\$Brightspace.course.id
PostMessageToken	\$com.Brightspace.PostMessageToken

+ Add Custom Parameter

Make tool available to:

Add Org Units

The Organization: HE Brightspace, HE

The Course Offering: Testing Direct DLT- MO, Testing Direct DLT- MO C

Brightspace Deployment Details

Deployment Id
3ecbc9fb-72a2-485e-a3df-3cb3b87efc82

View Links

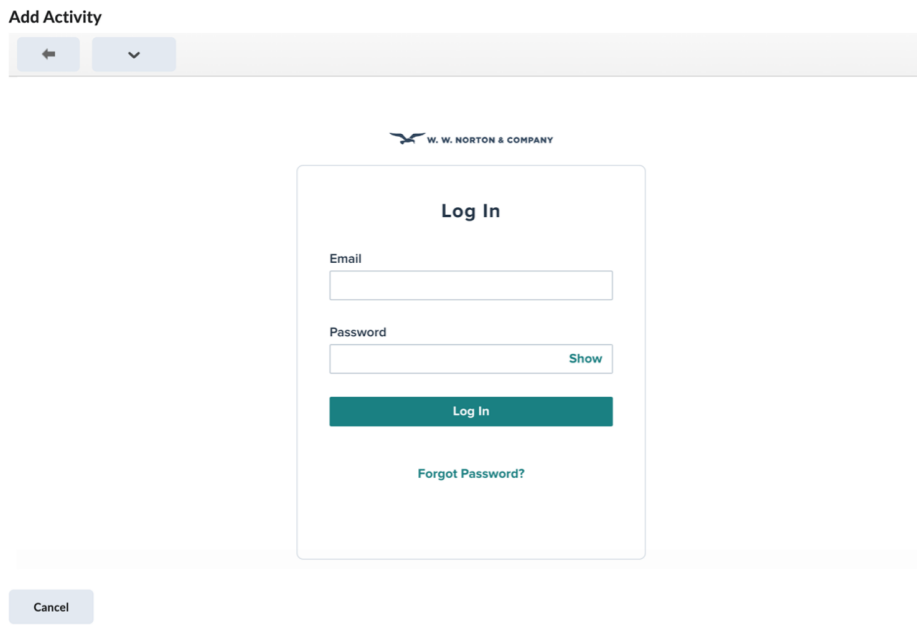
Save and Close D Save Cancel

Step 3: Enroll an Instructor into the Course

13. Go to the Course
14. Click **Classlist** and add existing users or create and enroll an instructor
15. Click on the carrot symbol next to the instructor you just added
 - Click on **“Impersonate”**
 - Click **Yes** to impersonate the instructor
16. While impersonating the instructor click **Content**
17. Add a Module
18. In the Module select **Add Existing Activities**
19. Select **W. W. Norton Deep Linking Tool**

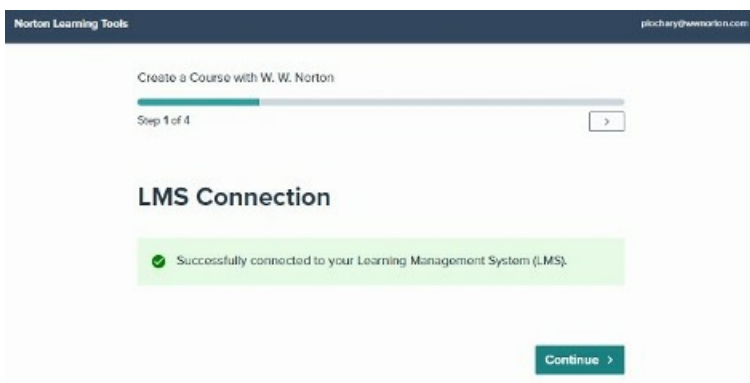
The screenshot shows the Canvas LMS interface for the course 'Deep Linking 101'. The user is impersonating 'Instructor LTI13'. The 'Content' menu is selected, and the 'Week 1' module is highlighted. The 'Add Existing Activities' dropdown menu is open, showing various activity types, with 'W. W. Norton Deep Linking' selected.

20. You will be prompted to log in.



21. If the Instructor you are impersonating has a Norton account, log in using their Norton credentials

22. This final step confirms that an LMS Connection has been made to the Deep Linking Tool.



23. Close the tab and return to the course. If you see something different or an error message, please take a screenshot of the page and send it to your Norton contact.

Troubleshooting

To schedule a meeting with our LTI Integration Specialist, or to troubleshoot an existing integration, please open a ticket on our support desk [here](#).

Instructor support can be found [here](#).
