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D2L - LTI 1.3 Campus LMS Admin Guide

In LTI 1.3 integrations, the LMS platform and tool must **exchange** security information.

- When you integrate with Norton Learning Tools, you'll both receive some information from your Norton contact, and send some information back to them.
- This entire exchange must be completed before you test the tool and start using it.

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

Part 1: Register a Tool for W. W. Norton

Before you begin:

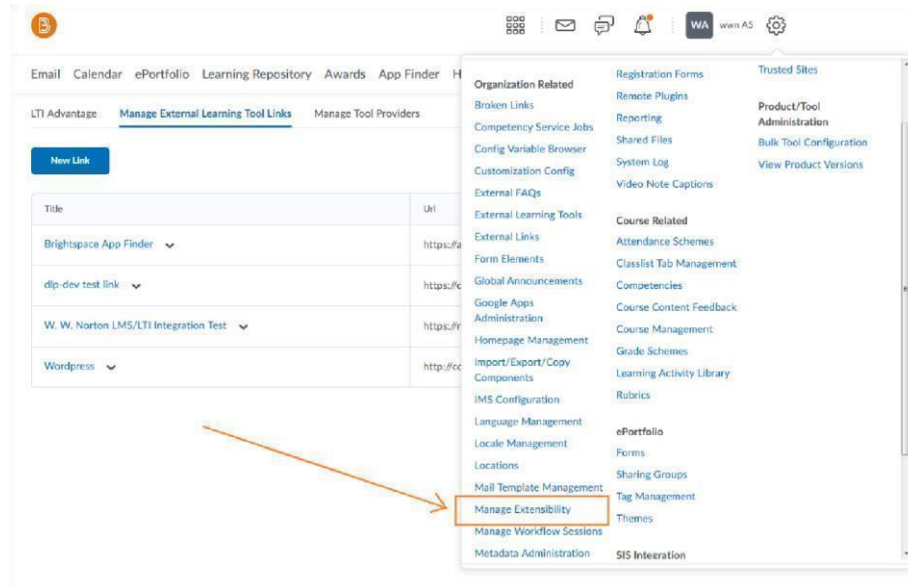
- You've discussed this integration with a representative from W. W. Norton.
- Your Norton contact has sent you an **OIDC Login URL** for your integration.
- Make sure that you always cut/paste URLs and other settings throughout this process of setting up the LTI record, since entering them by hand may lead to typos.

Using the OIDC Login URL that your W. W. Norton contact has sent to you, you'll be able to register the LTI 1.3 tool in D2L.

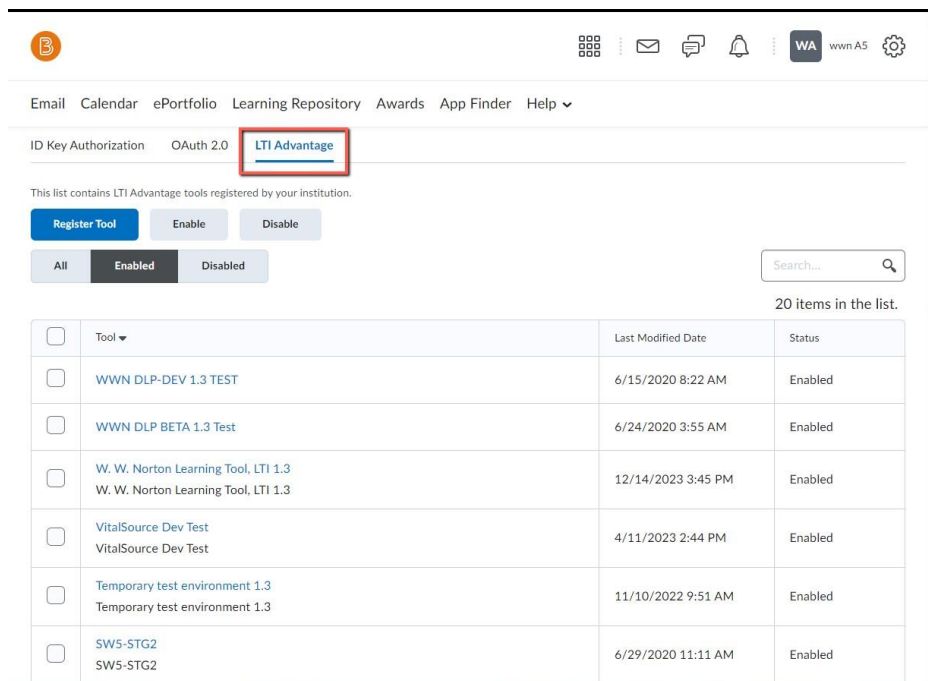
Note: The integration won't be ready to test or use right away. You'll need to send some information back to your Norton contact first.

- They'll let you know when the integration is complete and ready for you to test

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



2. When the Manage Extensibility screen opens, click the **LTI Advantage** tab, then the **Register Tool** button



- If you **don't** see the **Register Tool** button, and you see a **New Deployment** button
- You're probably on the **External Tools** page instead. It looks similar

- Go back into your account menu (Gear Icon) and find **Manage Extensibility** instead

3. Select **Standard**

4. Make sure the **Enabled** toggle is on

How would you like to register your tool?

What is Dynamic vs. Standard Registration?

☒ Standard

☐ Dynamic

Enabled

☒

Name *

Description

Domain *

Redirect URLs*

Register Cancel

5. Fill out the fields:

- **Name:** W. W. Norton Learning Tool, LTI 1.3
- **Description:** Optional
- **Domain:** https://ncia.wwnorton.com
- **Redirect URLs:** https://ncia.wwnorton.com/lti-1-3/lti_launch.php
- **OpenId Connect Login URL:** Your W.W. Norton contact will have sent you this URL
- **Keyset URL:** https://ncia.wwnorton.com/services/lti-keyset.php

6. Select these options for the Extensions:

- **Assignment and Grades Services:** On

- **Deep Linking:** Off
- **Names and Roles Provisioning Services:** Off

7. Select the option for Roles:

- **Send Institution Role:** On

Register a Tool

Enabled ☒

Name *
W. W. Norton - LTI 1.3

Description

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=0KwLGb56Om

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

Extensions
☒ Assignment and Grade Services
☐ Deep Linking
☐ Names and Role Provisioning Services

Roles
☒ Send Institution Role ⓘ

Register Cancel

8. Save the record by clicking on the **Register** button and copy down all the fields that appear in the confirmation window. Your W. W. Norton contact will need these to complete the registration

Brightspace Registration Details

Client id

1c982aea-f98c-408e-a329-80132408b66c

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

[View Deployments](#)

Done

Part 2: Send the Registration Details to W.W. Norton

1. Send your Norton contact the Registration Details that you copied in the previous step.
2. Your W.W. Norton contact will finish the integration. Once you've sent this message, you'll need to wait for their reply.

Part 3: Deploy the LTI 1.3 Tool

Before you begin:

- You've sent the Registration Details back to your contact at W. W. Norton.
- Your Norton contact has confirmed that the integration is complete and ready to test.

You can deploy the LTI Tool for your entire account, or for smaller units of your organization. To test the integration, we recommend that you deploy it in a single course first.

1. In D2L, go to the **External Learning Tools** management area from your account menu. (Gear Icon: **External Learning Tools**)
2. Click the **LTI Advantage** tab, and click the **New Deployment** button

The screenshot shows the LTI Advantage management interface. At the top, there are navigation links: Email, Calendar, ePortfolio, Learning Repository, Awards, App Finder, and Help. Below these are tabs for LTI Advantage, Manage External Learning Tool Links, and Manage Tool Providers. A 'New Deployment' button is visible, along with 'Enable' and 'Disable' buttons. A search bar is present, and a message indicates '1 items in the list.' The table below has columns for Deployment Name, Registration Name, Available Extensions, Last Modified Date, and Status. One item is listed: 'deb d2l test deployment' with registration name 'jeb d2l test', available extensions 'Assignment and Grades Services', last modified date '10/24/2019', and status 'Enabled'. A pagination bar at the bottom shows '1 / 1' and '20 per page'.

Deployment Name	Registration Name	Available Extensions	Last Modified Date	Status
deb d2l test deployment	jeb d2l test	Assignment and Grades Services	10/24/2019	Enabled

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

Enabled

☒

Auto Migrate Links

☒ ?

Tool *

W. W. Norton Learning Tool, LTI 1.3 ?

Name *

W. W. Norton Learning Tool, LTI 1.3

Description

W. W. Norton Learning Tool, LTI 1.3

Extensions

[What are Extensions?](#)

☒ Assignment and Grade Services

☐ Deep Linking

☐ Names and Role Provisioning Services

4. Toggle **Enabled** to on

5. If you are migrating LTI 1.1 courses using Course Copy, the **Auto Migrate Links** toggle will need to be on or Enabled

6. From the **Tool** dropdown menu, select the **Norton Learning Tools, LTI 1.3** tool that you registered. Fill out the fields:

- **Name:** W. W. Norton Learning Tool, LTI 1.3

- **Description:** Optional

7. Under **Extensions** select **Assignment and Grade Services**. The other two fields should remain unchecked

8. Under **Security Settings**, select these setting options:

- **Org Unit Information**

- **User Information**

- **Name (First Name, Middle Name & Last Name)**

- **Email**

- **User ID**

- **Username**

- **Org Defined Id**

- **Link Information**

- **Title**

- **Description**

Security Settings

Select the information to share with the tool:

- ☐ Anonymous
- ☒ Org Unit Information ?
- ☒ User Information
 - ☒ Name
 - ☒ First Name
 - ☒ Middle Name
 - ☒ Last Name
 - ☒ Email
 - ☒ User ID
 - ☒ Username
 - ☒ Org Defined Id
- ☒ Link Information
 - ☒ Title
 - ☒ Description
- ☐ Classlist including users not known to this deployment ?

9. Under **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 ?

- The Grades created by LTI will be included in Final Grade is optional

- Under **Make tool available to:** de-select the whole-organization setting (click the X to remove), and click **Add Org Units**
- 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
- Click the **Create Deployment** button

Part 4: Create a Test link for the tool

1. With the Deployment page open scroll to the bottom 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 'Links' page in the LTI Advantage Deployments interface. At the top, there is a navigation bar with links to Email, Calendar, ePortfolio, Learning Repository, Awards, App Finder, and Help. Below this is a breadcrumb trail: LTI Advantage Deployments > WWN LTI 1.3 phl - new configuration settings > Links. The main heading is 'Links'. Below the heading are buttons for 'New Link', 'Enable', and 'Disable'. There are also tabs for 'All', 'Enabled', and 'Disabled', with 'Enabled' currently selected. A search bar is located to the right of the tabs. Below the search bar, it says '2 items in the list.' A table with 4 columns (Link Name, Last Modified Date, Status, Type) displays the following data:

<input type="checkbox"/>	Link Name ▲	Last Modified Date	Status	Type
<input type="checkbox"/>	W. W. Norton LTI Test Link ▼	8/11/2022	Enabled	Basic Launch
<input type="checkbox"/>	WWN Test Link ▼	8/8/2022	Enabled	Basic Launch

At the bottom of the table, there is a pagination control showing '< 1 / 1 >' and a '20 per page' dropdown menu.

2. Click **New Link**
3. On the **Create Link** Page:
 - Toggle **Enable** to On
 - **Name:** W. W. Norton Test Link
 - **URL:** <https://ncia.wwnorton.com/test>
 - **Description:** Optional
 - **Type:** leave the selection as **Basic Launch**
 - **Substitution Parameters:** leave as is
 - **Custom Parameters:** leave as is
4. Click the **Save and Close** button

Create Link

Enabled ☐

Name

URL

Description

Type

Substitution Parameters
[+ Add Substitution Parameter](#)

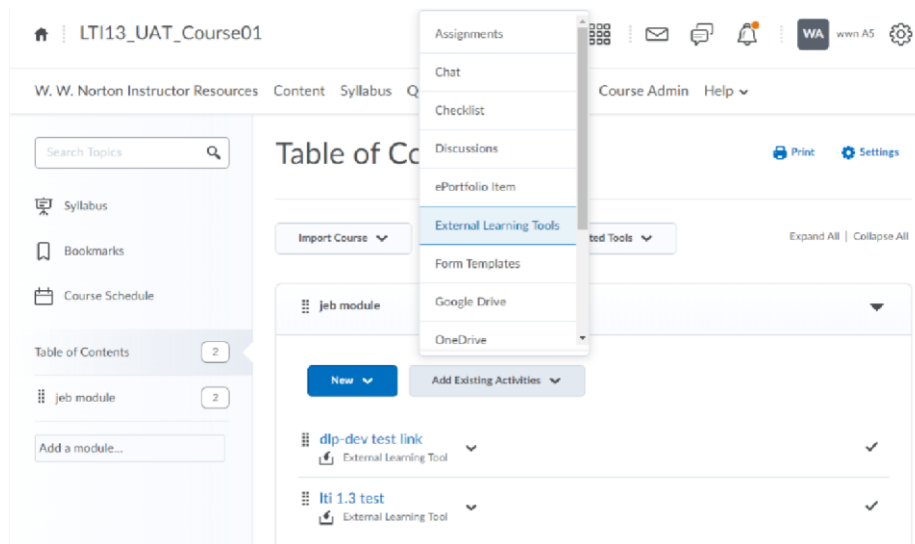
Custom Parameters
[+ Add Custom Parameter](#)

Part 5: Place the Test link in a course shell and test the integration.

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



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



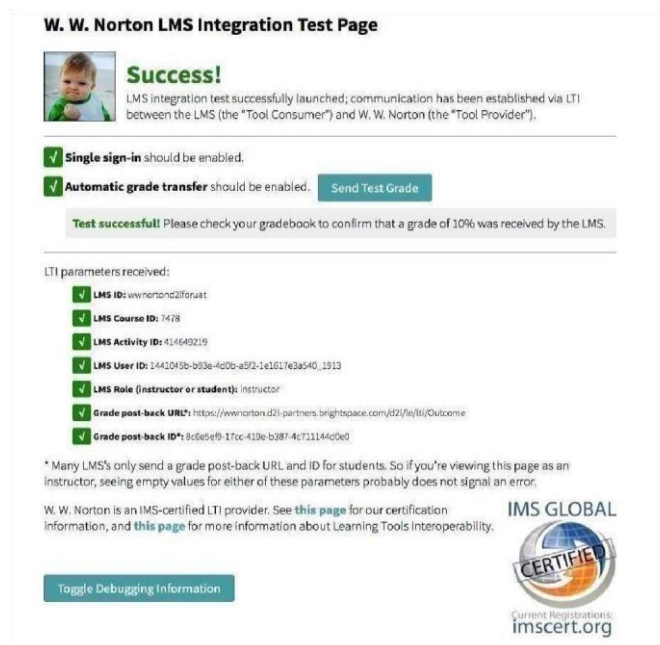
3. Scroll down to find the Test Link (**W. W. Norton Test Link**) that's associated with the W. W. Norton Learning Tool in the **LTI Advantage Deployment** column
 - NOTE: If you don't see it on this screen, then double-check the **Add Org Units** where the Tool Deployment is made available and add the course to the Org Units
4. Click the link to add it to the Module in the Content area of the course
5. Next to the assignment link, click on the carrot symbol and select **View Topic**
 - The Test link will open in a new tab
6. Close the **Test Page** tab for now and return to D2L. We need to manually **Add a Grade Item...** to the Test Link assignment
7. Under **Activity Details** look for **Assessment** and select **Add a Grade Item...**
8. Select + sign to add a **New Grade Item**
 - Name the New Grade Item – W. W. Norton Test Link
 - Click the **Create** button
 - Click **Save**
9. Before launching the **W. W. Norton Test Link**, and to fully test grade passback

- Click on **Classlist** and add an existing student participant 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

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

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

12. On the new tab that opened, click on the **Send Test Grade** button



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:** www.norton.d2lforuat
- ✓ **LMS Course ID:** 7478
- ✓ **LMS Activity ID:** 414649219
- ✓ **LMS User ID:** 1441045b-b93e-4c0b-a5f2-1e1617e3a940_1913
- ✓ **LMS Role (instructor or student):** instructor
- ✓ **Grade post-back URL:** https://www.norton.d2l-partners.brightspace.com/d2l/fo/lti/Outcome
- ✓ **Grade post-back ID:** 9c6e5ef9-17cc-419e-b387-4c711144c0ed


* Many LMS's only send a grade post-back URL and ID for students. So if you're viewing this page as an instructor, seeing empty values for either of these parameters probably does not signal an error.






W. W. Norton is an IMS-certified LTI provider. See [this page](#) for our certification information, and [this page](#) for more information about Learning Tools Interoperability.

[Toggle Debugging Information](#)


IMS GLOBAL
CERTIFIED
Current Registrations:
[imscert.org](https://www.imscert.org)

13. Go back to D2L as the Student and check on **Grades** to verify that a successful 10% has been passed back


 LEMC LTI 1.3 I

 wwn A5
as.LT113_UAT_Student

W. W. Norton Instructor ResourcesContentSyllabusQuizzesGradesClasslistHelp ▾

Grades  Print

Add to ePortfolio

Grade Item	Points	Weight Achieved	Grade
Test Grade 	- / 10	- / 10	-%
W. W. Norton Test Link	10 / 100	0 / 0	10 %

14. Close the tab and click the **X** to stop impersonating the student
15. Please email your Norton representative a screenshot of the results so that we can validate that all worked as it should
16. If you do receive an error message when you click on the **Send Test Grade** button, it's best to take a screenshot of the Test Page. Click on the **Toggle Debugging Information** button at the bottom of the page and copy/paste that info into an email. Attach the screenshot of the Test Page to the email and send it to your Norton representative.