

Follett Willo Overview

Follett Willo is a course delivery tool that provides a universal connection point between the Learning Management System and publisher content. This seamless integration provides codeless access to course materials and enables single sign-on access. Willo can also enable various levels of privacy and anonymization to protect student and faculty data. Please reach out to your Follett Integration Specialist for more information on the anonymization features available.

Implementation Process

Follett Willo utilizes LTI 1.1, LTI 1.3, and API to integrate into your Brightspace instance. Your Follett Integration Specialist will work with you to implement the Follett Willo tools in Brightspace.

Implementation Steps

1. [Configure Follett Willo LTI 1.1 in Brightspace](#) (*Brightspace Admin*)
2. [Configure Follett Willo LTI 1.3 in Brightspace](#) (*Brightspace Admin*)
3. [Configure Follett Willo API in Brightspace and Authorize API](#) (*Brightspace Admin*)
4. [Complete Connection Configuration in Follett](#) (*Follett Integration Specialist*)
5. [Test Follett Willo Launches](#) (*Brightspace Admin and Follett Integration Specialist*)

Configuring Follett Willo LTI 1.1 in Brightspace

Install the LTI 1.1 Tool (External Learning Tools)

1. Log in to Brightspace as an Administrator, navigate to **Admin Tools**, and select **External Learning Tools**.
2. Select the **Manage Tool Providers (Legacy)** tab.
3. Click **New Tool Provider**.
4. Define the following properties:
 - a. Launch Point: *Choose based on your institution's country*
 - i. US Institutions: app.willolabs.com
 - ii. CA Institutions: ca.willolabs.com
 - b. Version: Inherit Global (1.1)
 - c. OAuth Signature Method: HMAC-SHA1
 - d. Key/Secret: *Provided by Follett Integration Specialist*
 - i. Check the box for **Use custom tool consumer information instead of default** to enter the Key
 - e. Name: Follett Willo Digital Delivery 1.1

- f. Allow users to use this tool provider: Enabled
- g. Security Settings: Select All
- h. Make tool provider available to: All Org Units

New Tool Provider

Tool Provider Settings

Launch Point *

app.willolabs.com

Version

Inherit Global (1.1) ▾

OAuth Signature Method

HMAC-SHA1 ▾

Secret

SECRET

Tool consumer information

☒ Use custom tool consumer information instead of default

Key

KEY

Name

Follett Willo Digital Delivery 1.1

Description

Contact Email

Visibility

☒ Allow users to use this tool provider

Security Settings

☒ Send tool consumer information to tool provider

☒ Send context information to tool provider

☒ Send course information to tool provider

☒ Send course section information to tool provider

☒ Send LTI user ID and LTI role list to tool provider

☒ Send user name to tool provider

☒ Send user email to tool provider

☒ Send system username to tool provider

☒ Send system Org Defined ID to tool provider

☒ Send link title to tool provider

☒ Send link description to tool provider

Make tool provider available to:

☒ Current Org Unit: willolabs

Add Org Units

Save and Close Save Cancel

5. Click **Save and Close**.
-

Install the LTI 1.1 Placement (Remote Plugins)

1. Login to Brightspace as an Administrator, navigate to **Admin Tools**, and select **Remote Plugins**.
2. Click on **New Remote Plugin** and define the following properties:
 - a. Plugin Type: Quicklink (CIM)
 - b. Name: Follett Willo Digital Delivery 1.1
 - c. Launch Point URL: *Choose based on your institution's country*
 - i. US Institutions: <https://app.willolabs.com/onelink/>
 - ii. CA Institutions: <https://ca.willolabs.com/onelink/>
 - d. Key/Secret: Use the same as above
 - e. OAuth Signature Method: HMAC-SHA1
 - f. Make available to: All Org Units

Create a new Remote Plugin

Plugin Type: Quicklink (CIM) Width: 800 Height: 600

Name *: Follett Willo Digital Delivery 1.1

Launch Point URL *: <https://app.willolabs.com/onelink/>

LTI Key: KEY LTI Secret: SECRET

OAuth Signature Method: HMAC-SHA1

Description:

Small Icon URL (18x18): Small Icon Preview:

Large Icon URL (60x60): Large Icon Preview:

Make available to:
☒ Current Org Unit: willolabs
Add Org Units

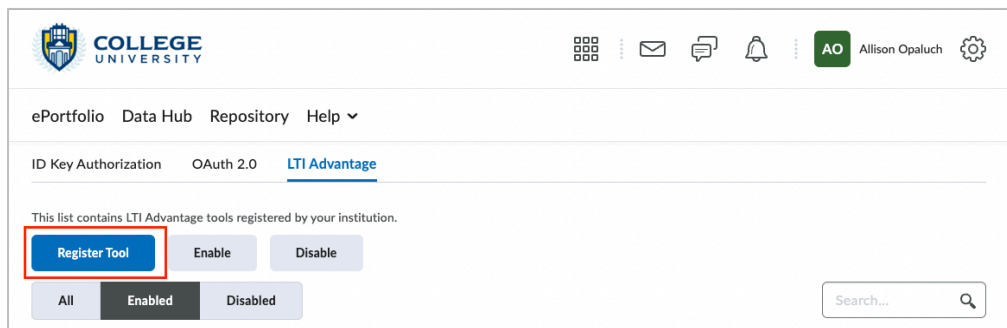
Save Cancel

3. Click **Save**.

Configuring Follett Willo LTI 1.3 in Brightspace

Register LTI Tool – Dynamic Registration (Manage Extensibility)

1. Log into Brightspace as an Administrator, navigate to **Admin Tools**, and select **Manage Extensibility**.
2. Click on the **LTI Advantage** tab and select the **Register Tool** button.



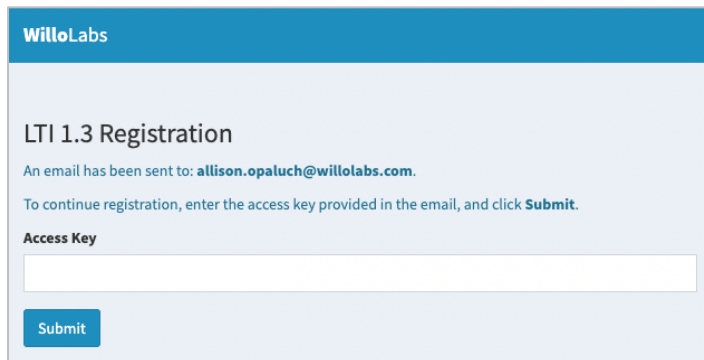
3. Select **Dynamic** mode, complete the following fields, and click **Register**:
 - a. Tool initiation registration endpoint: *Choose based on your institution's country*
 - i. US Institutions: <https://app2.willolabs.com/lti/register/platform/>
 - ii. CA Institutions: <https://ca2.willolabs.com/lti/register/platform/>
 - b. Select **Configure Deployment**.

A screenshot of the 'Register a Tool' form. The title 'Register a Tool' is at the top. Below it, a question 'How would you like to register your tool?' is followed by a link 'What is Dynamic vs. Standard Registration?'. There are two radio buttons: 'Standard' and 'Dynamic' (which is selected). Below this is a text input field for 'Tool initiation registration endpoint *' containing the URL 'https://app2.willolabs.com/lti/register/platform/'. Underneath is a checkbox labeled 'Configure Deployment' which is checked. At the bottom are two buttons: 'Register' and 'Cancel'.

4. Enter your email address and click **Submit**.

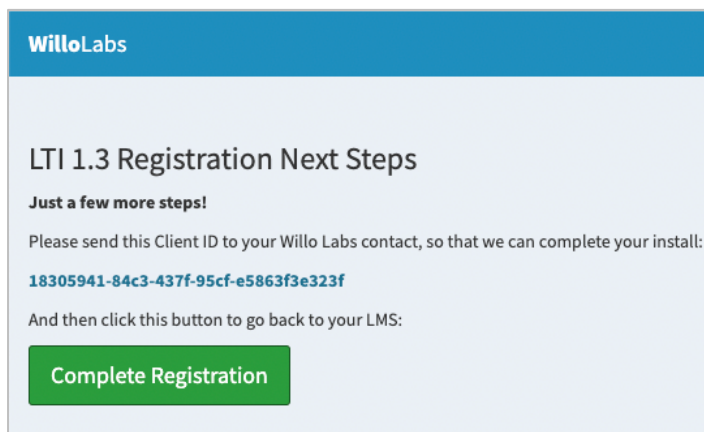
A screenshot of the 'WilloLabs LTI 1.3 Registration' form. The header 'WilloLabs' is in a blue bar. Below it, the title 'LTI 1.3 Registration' is shown. A message states: 'This process will add WilloLabs using the following LTI 1.3 platform: <https://willolabs.brightspacedemo.com>'. Another message says: 'To continue, enter your email address below, and click **Submit**. We will email you an access key that you will need to enter to complete the registration process.' Below this is a text input field for 'Email Address' containing 'allison.opaluch@willolabs.com'. At the bottom is a blue 'Submit' button.

- You will receive an email with the subject line “Your access key for Willo Labs LTI 1.3 Registration” containing the access key needed to complete registration. Copy the access key provided into the **Access Key** Field and click **Submit**.



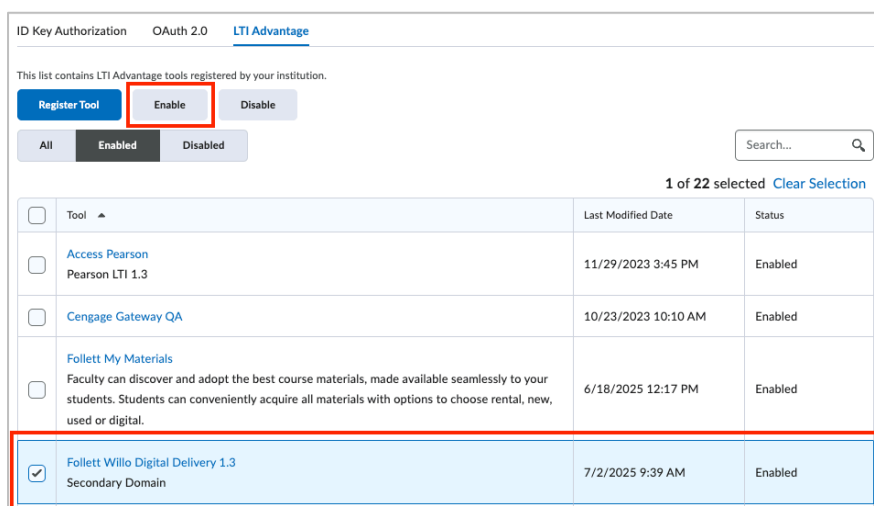
The screenshot shows the 'Willo Labs' header in a blue bar. Below it, the title 'LTI 1.3 Registration' is followed by a message: 'An email has been sent to: allison.opaluch@willolabs.com. To continue registration, enter the access key provided in the email, and click Submit.' There is a text input field labeled 'Access Key' and a blue 'Submit' button at the bottom.

- Note the provided **Client ID** and click **Complete Registration** to navigate back to Brightspace.



The screenshot shows the 'Willo Labs' header. The title is 'LTI 1.3 Registration Next Steps'. It says 'Just a few more steps!' and 'Please send this Client ID to your Willo Labs contact, so that we can complete your install:'. The Client ID is '18305941-84c3-437f-95cf-e5863f3e323f'. It then says 'And then click this button to go back to your LMS:' and features a large green 'Complete Registration' button.

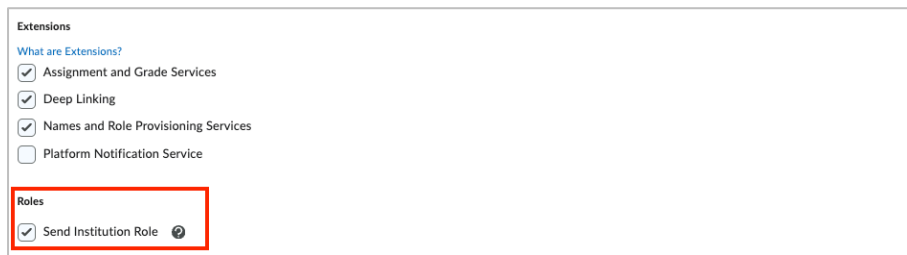
- Back in Brightspace > **Manage Extensibility** > **LTI Advantage**, click the checkbox beside the newly created tool and click **Enable** to enable the tool.



The screenshot shows the 'LTI Advantage' tab in the 'Manage Extensibility' section. It includes buttons for 'Register Tool', 'Enable', and 'Disable'. Below are tabs for 'All', 'Enabled', and 'Disabled'. A search bar and '1 of 22 selected Clear Selection' are also present. The table lists several tools, with the last one, 'Follett Willo Digital Delivery 1.3 Secondary Domain', highlighted by a red box. This row has its checkbox checked and its status is 'Enabled'.

<input type="checkbox"/>	Tool	Last Modified Date	Status
<input type="checkbox"/>	Access Pearson Pearson LTI 1.3	11/29/2023 3:45 PM	Enabled
<input type="checkbox"/>	Cengage Gateway QA	10/23/2023 10:10 AM	Enabled
<input type="checkbox"/>	Follett My Materials Faculty can discover and adopt the best course materials, made available seamlessly to your students. Students can conveniently acquire all materials with options to choose rental, new, used or digital.	6/18/2025 12:17 PM	Enabled
<input checked="" type="checkbox"/>	Follett Willo Digital Delivery 1.3 Secondary Domain	7/2/2025 9:39 AM	Enabled

8. Click into the newly created tool, check off **Send Institution Role**, and then click **Save and Close**.



Extensions

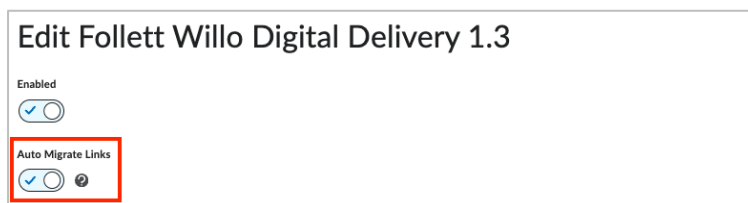
[What are Extensions?](#)

- ☒ Assignment and Grade Services
- ☒ Deep Linking
- ☒ Names and Role Provisioning Services
- ☐ Platform Notification Service

Roles

- ☒ Send Institution Role ⓘ

9. Navigate back to **Admin Tools**, and then select **External Learning Tools**.
10. Click on the newly created deployment and ensure **Auto Migrate Links** is enabled.



Edit Follett Willo Digital Delivery 1.3

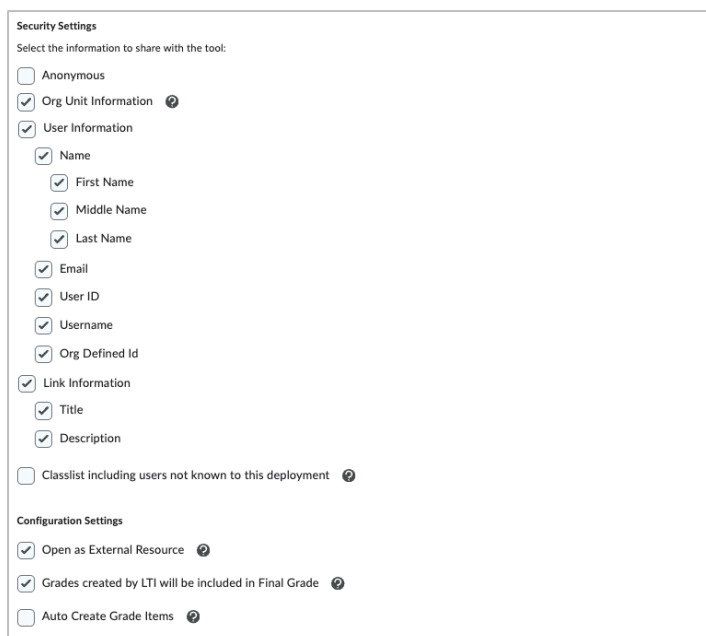
Enabled

☒

Auto Migrate Links

☒ ⓘ

11. Under **Security Settings**, ensure the following are enabled:
 - a. Org Unit Information
 - b. User Information
 - c. Link Information
 - d. [Optional] Classlist including users not known to this deployment
12. Under **Configuration Settings**, ensure the following are enabled:
 - a. Open as External Resource
 - b. Grades created by LTI will be included in Final Grade



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 ⓘ

Configuration Settings

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

13. Under Substitution Parameters, add in the following items:

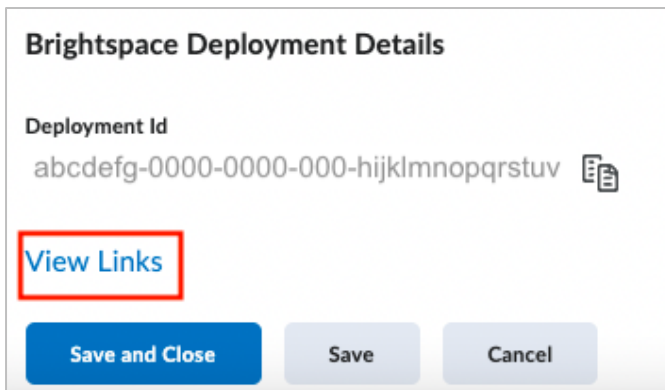
Name	Value
course_start_date	\$CourseSection.timeFrame.begin
course_end_date	\$CourseSection.timeFrame.end
context_id_history	\$Context.id.history

15. Navigate to the bottom of the page to record the **Deployment Id**. Send the **Deployment Id** and **Client ID** from **Step 6** to your Follett Integration Specialist.

16. Ensure that all appropriate Org Units are available to the tool and move on to the next section to install an additional placement.

Install the LTI 1.3 Deep Linking Insert Stuff Placement (External Learning Tools)

1. In the newly deployed tool, click **View Links** underneath the Deployment Id to create a placement.



Brightspace Deployment Details

Deployment Id
abcdefg-0000-0000-000-hijklmnopqrstuv

[View Links](#)

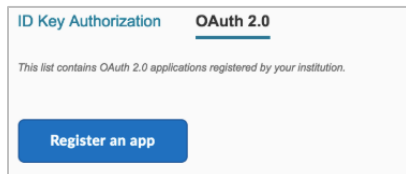
Save and Close **Save** **Cancel**

2. Click **New Link** and enter the following values:
 - a. Name: Follett Willo Digital Delivery 1.3
 - b. URL: *Choose based on your institution's country*
 - i. US Institutions: <https://app2.willolabs.com/onelink/>
 - ii. CA Institutions: <https://ca2.willolabs.com/onelink/>
 - c. Type: Deep Linking Insert Stuff
3. Click **Save and Close**.

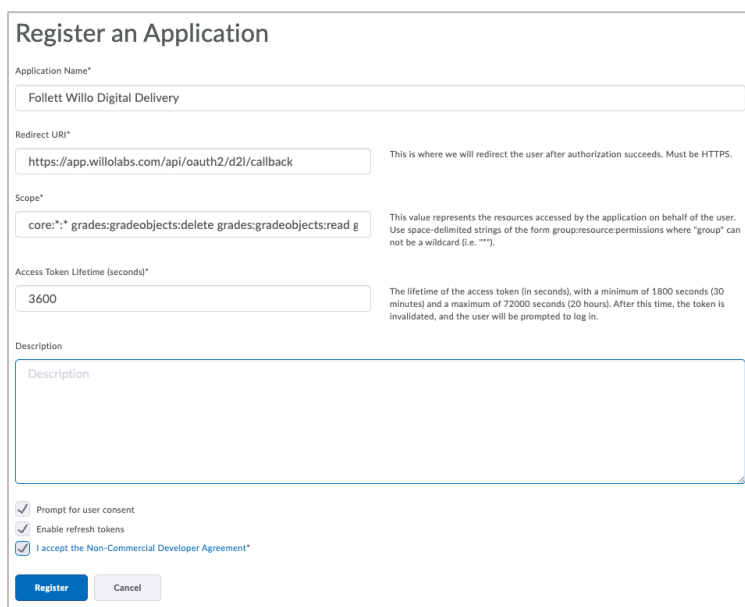
Configure Follett Willo API in Brightspace and Authorize API

Register the OAuth 2.0 Token (Manage Extensibility)

1. Log into Brightspace as an Administrator, navigate to **Admin Tools**, and select **Manage Extensibility**.
2. Click on the **OAuth 2.0** tab and select the **Register an App** button.



3. Complete the following fields:
 - a. Application Name: Follett Willo Digital Delivery
 - b. Redirect URI: *Choose based on your institution's country*
 - i. US Institutions: <https://app.willolabs.com/api/oauth2/d2l/callback>
 - ii. CA Institutions: <https://ca.willolabs.com/api/oauth2/d2l/callback>
 - c. Scope: core:*:* grades:gradeobjects:delete grades:gradeobjects:read grades:gradeobjects:write grades:gradevalues:read grades:gradevalues:write enrollment:orgunit:read content:*:*
 - d. Access Token Lifetime (seconds): 3600
 - e. Prompt for user consent: Enabled
 - f. Enable Refresh Tokens: Enabled
 - g. I accept the Non-Commercial Developer Agreement: Enabled
4. Click **Register**. Make note of the **Client ID** and **Client Secret** for use in the next step.



Register an Application

Application Name*

Follett Willo Digital Delivery

Redirect URI*

<https://app.willolabs.com/api/oauth2/d2l/callback> This is where we will redirect the user after authorization succeeds. Must be HTTPS.

Scope*

core:*:* grades:gradeobjects:delete grades:gradeobjects:read g This value represents the resources accessed by the application on behalf of the user. Use space-delimited strings of the form group:resource:permissions where "group" can not be a wildcard (i.e. "**").

Access Token Lifetime (seconds)*

3600 The lifetime of the access token (in seconds), with a minimum of 1800 seconds (30 minutes) and a maximum of 72000 seconds (20 hours). After this time, the token is invalidated, and the user will be prompted to log in.

Description

Description

☒ Prompt for user consent

☒ Enable refresh tokens

☒ I accept the Non-Commercial Developer Agreement*

Register Cancel

Authorize API (Follett Willo Customer Access Dashboard)

1. Log into the appropriate Follett Willo Dashboard using your email address:
 - a. US Institutions: <https://app.willolabs.com/customer-access/>
 - b. CA Institutions: <https://ca.willolabs.com/customer-access/>
2. You will receive an email with a link to log in. Click on the link within the email and click **Follett**, then **Settings**, and then **configure grade sync** beside the Brightspace 1.1 setup
 - a. **NOTE:** You will need to repeat these steps for the Brightspace 1.3 setup as well.

Demo Institution
Willo Demo

Usage Metrics **Settings** Logout

Willo Demo / Demo Institution

Willo Brightspace 1.1

LTI Consumer key	ydsMVGnBw5
Grade sync mode	Brightspace API
Grade sync status	API Disabled: grade sync not configured
Brightspace URL	not configured
OAuth 2.0 client ID	not configured

configure grade sync

3. Click **Edit Configuration** and define the following properties:
 - a. Brightspace URL: Your institution's Brightspace base URL (e.g. <https://school.brightspace.com>)
 - b. OAuth 2.0 Client ID: The Client ID recorded from [Step 4](#) above
 - c. OAuth 2.0 Client Secret: The Client Secret recorded from [Step 4](#) above
 - d. Enforce Scopes: Gradebook and Content

Willo Demo / Demo Institution / Settings / Willo Brightspace 1.1

Grade Sync Configuration

for Willo Brightspace 1.1

Grade sync mode	Brightspace API
Grade sync status	API Disabled: grade sync not configured
Brightspace URL	<input type="text" value="https://"/>
OAuth 2.0 client ID	<input type="text"/>
OAuth 2.0 client secret	<input type="text"/>
OAuth 2.0 scope	<input type="text" value="Gradebook and Content"/>

Edit Configuration

4. Click **Save Configuration**.

Willo Demo / Demo Institution / Settings / Willo Brightspace 1.1

Grade Sync Configuration

for Willo Brightspace 1.1

Grade sync mode: Brightspace API

Grade sync status: **API Disabled: grade sync not configured**

Brightspace URL:

OAuth 2.0 client ID:

OAuth 2.0 client secret:

OAuth 2.0 scope:

5. Click on the green **Login to grant access or refresh tokens** button to authorize use of the API key using your admin account.
- a. **NOTE:** If you are previously signed into the Brightspace, it will automatically log you in as that user.

Willo Demo / Demo Institution / Settings / Willo Brightspace 1.1

Configuration was updated successfully.

Grade Sync Configuration

for Willo Brightspace 1.1

Grade sync mode: Brightspace API

Grade sync status: **API Disabled: login required**

Brightspace URL:

OAuth 2.0 client ID:

OAuth 2.0 client secret:

OAuth 2.0 scope:

6. Going back to the Follett Willo Dashboard, refresh the page and the grade sync status will update from Disabled to **API Enabled**.

Willo Demo / Demo Institution / Settings / Willo Brightspace 1.1

Grade Sync Configuration

for Willo Brightspace 1.1

Grade sync mode Brightspace API

Grade sync status API Enabled

Login to grant access or refresh access tokens

Brightspace URL https://willolabs.brightspacedemo.com/

OAuth 2.0 client ID cbce57d6-846a-4517-bb4d-86bb7468c695

OAuth 2.0 client secret *****

OAuth 2.0 scope Gradebook and Content

Test Configuration Edit Configuration

7. Click on the **Settings** breadcrumb to repeat Steps 3-6 for the Brightspace 1.3 setup using the same **Client ID** and **Client Secret**.
 - a. **NOTE:** You may see a red warning message that LTI Advantage is disabled. As soon as your Follett Integration Specialist has finished configuration setup, this warning will disappear, and it will say **Advantage Enabled**.

Demo Institution

Willo Demo

Usage Metrics Logout

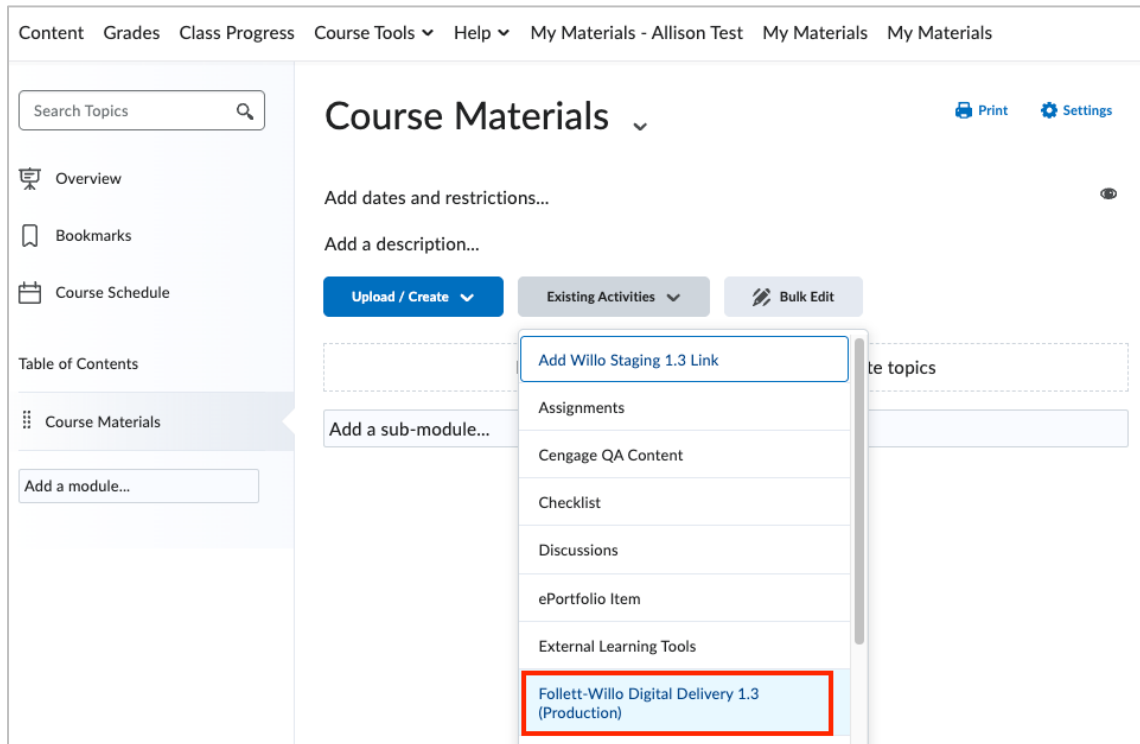
Willo Demo / Demo Institution **Settings** Willo Brightspace 1.1

Complete Configuration in Follett

To establish a LTI 1.3 connection, your Follett Integration Specialist will need to complete the Follett configuration using the Client ID and Deployment Id generated by Brightspace. Please email your Brightspace connection details to your Integration Specialist If you have not already done so. They will contact you when the connection is completed and ready for the testing phase.

Test Follett Willo Launches

1. Navigate to a sandbox course in Brightspace and click into the **Content** area.
2. Select a module and in the **Existing Activities** menu, select the **Follett Willo Digital Delivery 1.1/1.3** placement.



3. Click **Continue in a New Window** and then input the product token provided by your Follett Integration Specialist.
 - a. **NOTE:** You will be provided a separate product token for each LTI version and will need separate Brightspace sandbox courses to test each version.
4. Click **Verify**, then **Confirm**, and then **Course Management**. Depending on the version, you may have to click **Add Product Links** and then select all the links and **Return Link(s) to LMS**.
5. If successful, links should populate in the modules area.