



vhcentral

LTI-Advantage Self-Rostering

D2L /Brightspace

Administrator Guide

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D2L / Brightspace Administrator Guide



Register an External Learning Tool Link for LTI Advantage



Alert!

To register an external learning tool, the D2L admin must have the following permissions enabled:

- **External Learning Tools**

- Launch External Learning Tool Links
- Manage External Learning Tool Providers
- Create Quicklinks from available External Learning Tool links
- Create External Learning Tool links from available External Learning Tool

- **Providers**

- Manage LTI Advantage Tool Registrations
- Manage LTI Advantage Tool Deployments -

- **Manage Extensibility**

- Can Manage Extensibility

1 Administrator Permissions.

Edit Permissions - Administrator

Filter by Role: Administrator
 Filter by Tool: External Learning Tools
 Apply Filter

Choose Org Unit Types

External Learning Tools	All	Organization	Course Template	Course Offering	Group	Semester	Section	Learning Path	Department	Program
Manage External Learning Tools Configuration	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Launch External Learning Tool Links	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Manage and Delete External Learning Tool Links	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Manage External Learning Tool Providers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Create Quicklinks from available External Learning Tools links	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Create External Learning Tool Links from available External Learning Tool Providers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

2 Administrator Permissions.

Edit Permissions - Administrator

Filter by Role: Administrator
 Filter by Tool: Manage Extensibility
 Apply Filter

Choose Org Unit Types

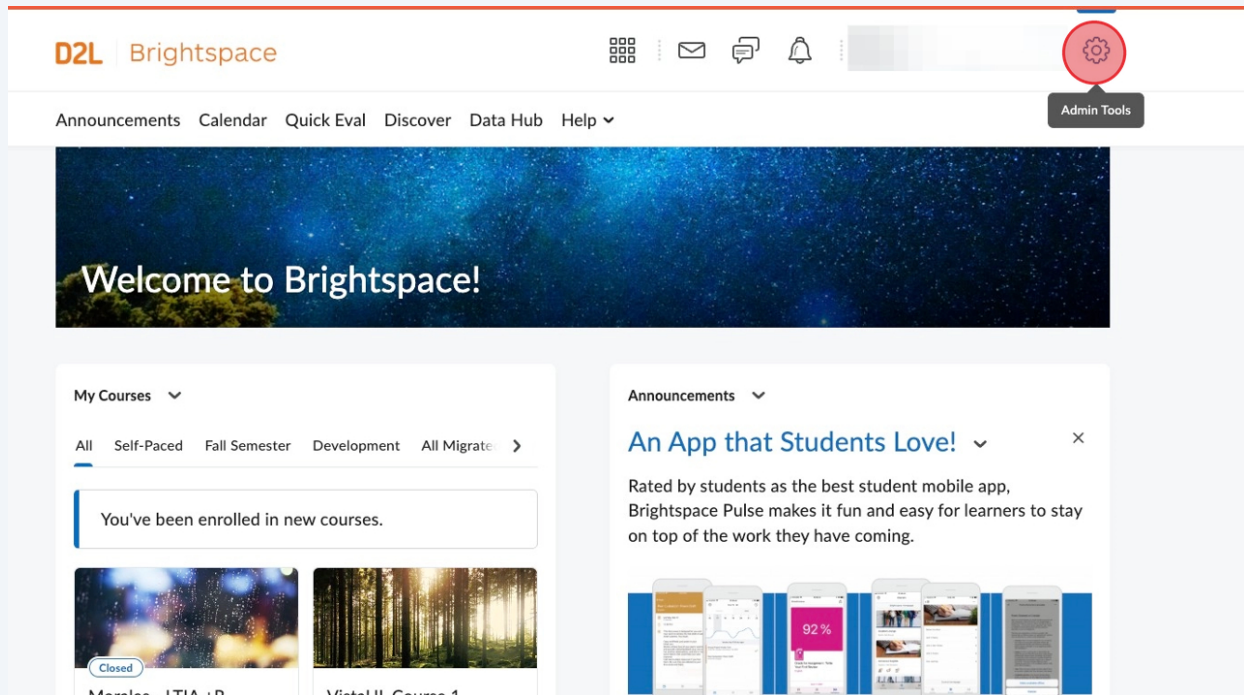
Manage Extensibility	All	Organization	Course Template	Course Offering	Group	Semester	Section	Learning Path	Department	Program
Can Manage API Applications	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Save and Close Save Cancel

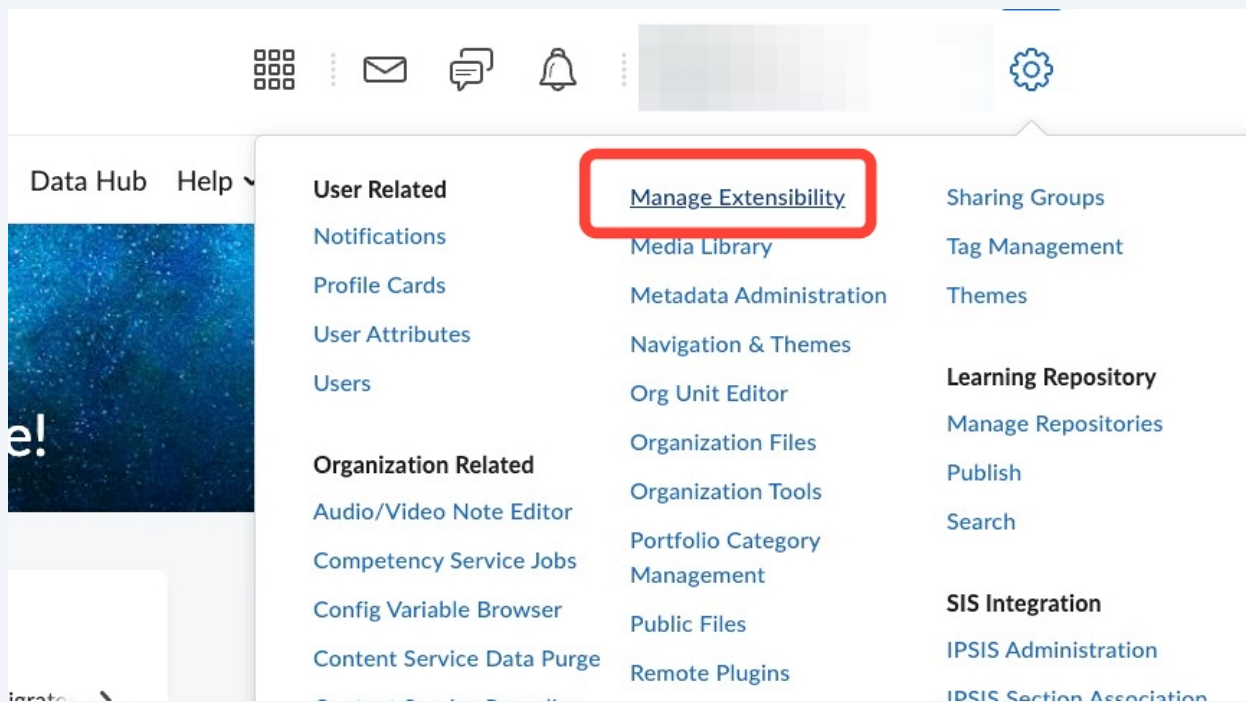


Alert! If you are unable to access the menu items referenced in steps 3 and 4 below, please contact your institution's D2L super-admin. They will either need to enable those permissions for you or complete this registration on your behalf.

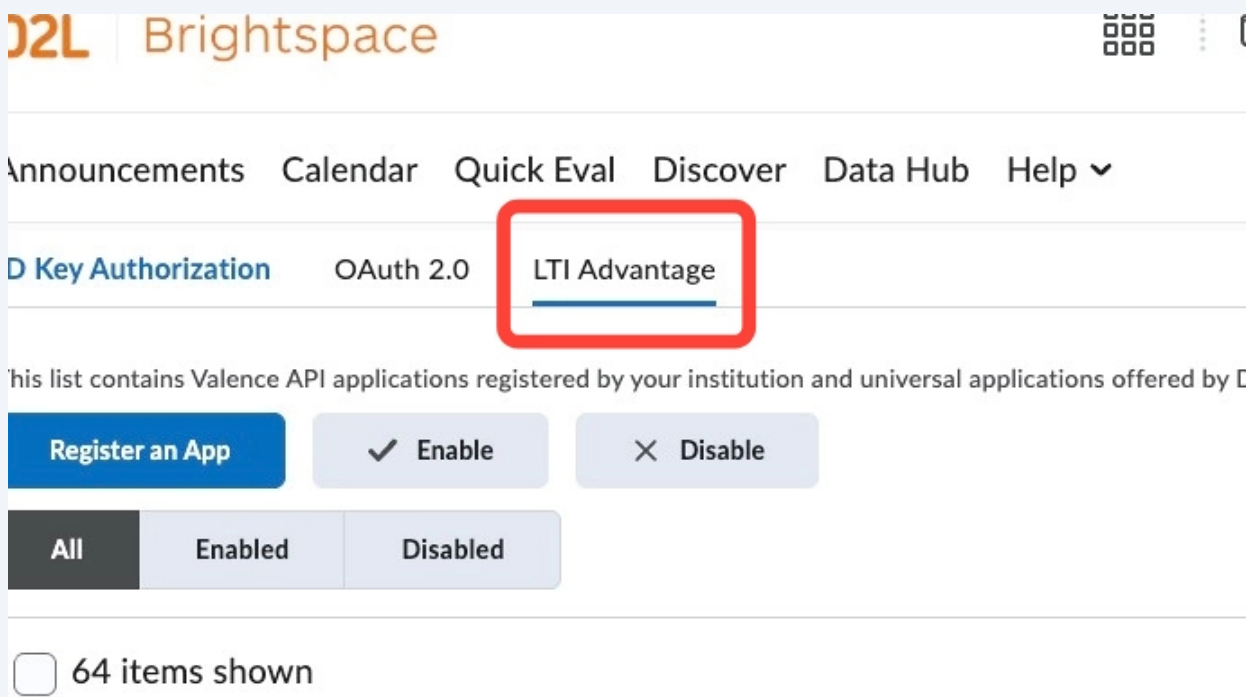
3 Navigate to the "**Admin Tools**" gear on your D2L / Brightspace Dashboard.



4 Click "Manage Extensibility".



5 Click "LTI Advantage".



6 Click "Register Tool".

D2L | Brightspace

Announcements Calendar Quick Eval Discover Data Hub Help ▾

ID Key Authorization OAuth 2.0 LTI Advantage

This list contains LTI Advantage tools registered by your institution.

Register Tool Enable Disable

All **Enabled** Disabled

Search...

12 items in

<input type="checkbox"/>	Tool ▲	Last Modified Date	Status
<input type="checkbox"/>			Enabled
<input type="checkbox"/>			Enabled

7 Click the "Standard" field.

D2L | Brightspace

Announcements Calendar Quick Eval Discover Data Hub Help ▾

Register a Tool

How would you like to register your tool?

What is the registration type? (Standard vs. Dynamic vs. Standard Registration?)

Standard

Dynamic

Register Cancel

8 Copy and paste the following details as shown in the sections below:

- **Name:** VHLCentral
- **Description:** Vista Higher Learning's online platform
- **Domain:** https://www.vhlcentral.com
- **Redirect URLs:** https://www.vhlcentral.com/lti/launches
- **OpenID Connect Login URL:** https://www.vhlcentral.com/lti/login_initiations
- **Keyset URL:** https://www.vhlcentral.com/lti/keys
- **Enable Extensions:**
 - "Deep Linking"
 - "Assignment and Grade Services"
- **Roles:**
 - "Send Institution Role"

9 "Register a Tool" completed sections (for reference).

How would you like to register your tool?

[What is Dynamic vs. Standard Registration?](#)

Standard

Dynamic

Enabled

Name *

VHLCentral

Description

Vista Higher Learning's online platform

Domain *

https://www.vhlcentral.com

10 "Register a Tool" completed sections (for reference).

Redirect URLs *

https://www.vhlcentral.com/lti/launches

+ Add Redirect URL

OpenID Connect Login URL *

https://www.vhlcentral.com/lti/login_initiations

Target Link URI

https://www.vhlcentral.com/lti/keys

Keyset URL

https://www.vhlcentral.com/lti/keys

11 Click "Register".

Extensions

What are Extensions?

Assignment and Grade Services

Deep Linking

Names and Role Provisioning Services

Platform Notification Service

Roles

Send Institution Role ⓘ

Substitution Parameters

What are Substitution Parameters used for?

Register Cancel



Alert! Under **Roles**, choose to send IMS role data for the Institution and Context roles or only the Context role.

- If the **Send Institution Role checkbox is checked**, Context and Institution roles are included in the role mapping from the IMS configuration when the tool is launched. The user's Context Role is also included, unless the security setting at the Deployment is set to Anonymous.
- If the **Send Institution Role checkbox is unchecked**, only Context roles are included.

12

The "**Brightspace Registration Details**" dialog box will open showing the process information for the tool.

We recommend highlighting the text in this dialog to **copy and paste, take a screenshot**, and **send to VHL Technical Support** in the **Onboarding Ticket**.

Click "**Done**" to complete the Registration process.

Brightspace Registration Details

Client Id

Brightspace Keyset URL

Brightspace OAuth2 Access Token URL

OpenID Connect Authentication Endpoint

Brightspace OAuth2 Audience

Issuer

[View Deployments](#)

Done

Deploy External Tool Link

13

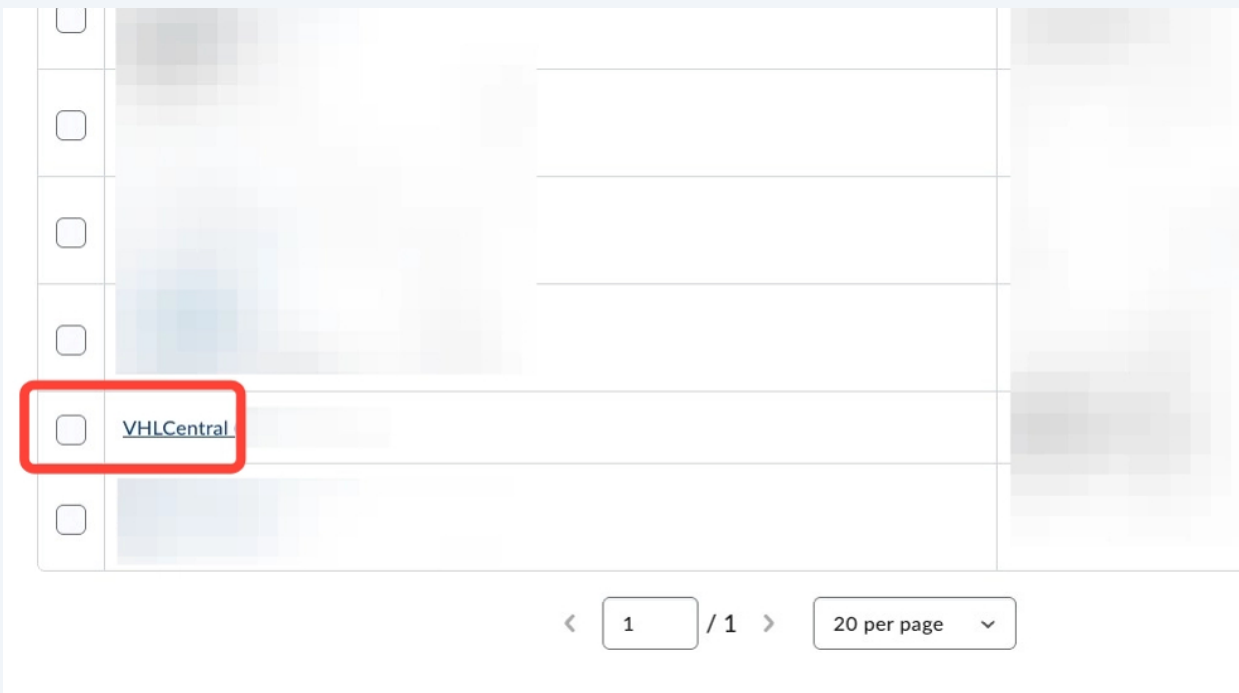
Once you've successfully set up your External Tool link, you will be presented with the following screen where registered tools are listed

The screenshot shows the Brightspace user interface for managing LTI Advantage tools. At the top, the navigation bar includes the D2L logo, the name 'Brightspace', and several utility icons (grid, mail, chat, bell, profile, settings). Below the navigation bar, there are links for 'Announcements', 'Calendar', 'Quick Eval', 'Discover', 'Data Hub', and 'Help'. The main content area is titled 'LTI Advantage' and includes a sub-header 'ID Key Authorization OAuth 2.0 LTI Advantage'. A message states 'This list contains LTI Advantage tools registered by your institution.' Below this are three buttons: 'Register Tool' (blue), 'Enable' (grey), and 'Disable' (grey). There are also three filter buttons: 'All', 'Enabled' (selected), and 'Disabled'. A search box with a magnifying glass icon is located to the right of the filters. Below the filters, it says '12 items in the list.' A table with three columns is shown: 'Tool' (with a dropdown arrow), 'Last Modified Date', and 'Status'. The table contains five rows, each with a checkbox in the first column and the status 'Enabled' in the third column. The content of the table is blurred.

<input type="checkbox"/>	Tool ▲	Last Modified Date	Status
<input type="checkbox"/>			Enabled
<input type="checkbox"/>			Enabled
<input type="checkbox"/>			Enabled
<input type="checkbox"/>			Enabled
<input type="checkbox"/>			Enabled

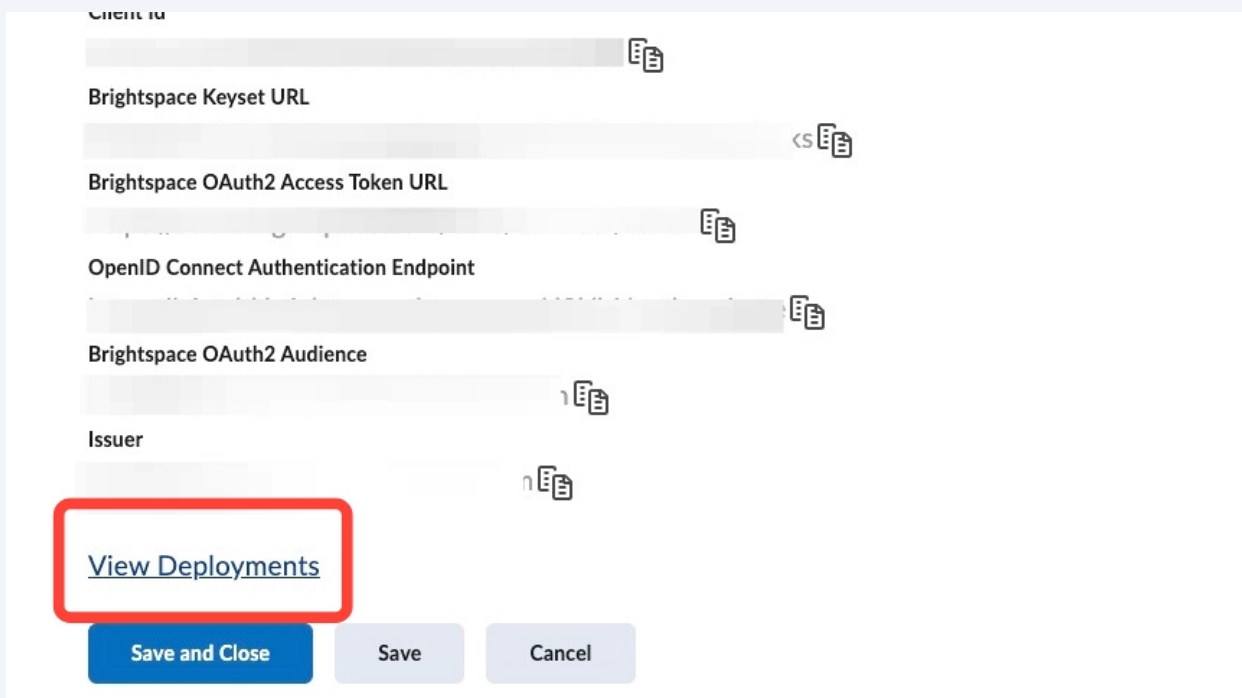
14

Click on the **"VHLCentral"** tool listing to re-open the Edit VHLCentral page. Then scroll down to the bottom of the page and click on the **"View Deployments link"** (under Registration Details). The Deployments listing should open.



15

Scroll to the bottom of the page. Click **"View Deployments"**.



16 Click "New Deployment".

External Learning Tools

[LTI Advantage](#) [Manage Tool Links \(Legacy\)](#) [Manage Tool Providers \(Legacy\)](#) [Migration Log](#)

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

New Deployment

Enable

Disable

All

Enabled

Disabled

Registration 1

Search...

1 item in

<input type="checkbox"/>	Deployment Name ▲	Registration Name	Enabled Extensions	Last Modified Date
<input type="checkbox"/>			<input checked="" type="checkbox"/> Assignment and Grade Services <input checked="" type="checkbox"/> Deep Linking	

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17 You will be taken to the "Deploy Tool" screen.

Toggle the tool to "Enabled".

[Announcements](#) [Calendar](#) [Quick Eval](#) [Discover](#) [Data Hub](#) [Help](#)

Deploy Tool

Enabled



Auto Migrate Links



Tool *

Select Registered Tool

Name *

Description

Extensions

What are Extensions?

Assignment and Grade Services

Deep Linking

Names and Role Provisioning Services

18 Copy and paste the following details as shown in the sections below:

- **Tool:** VHL Central (from drop-down list)
- **Name:** VHL Central Launch
- **Extensions** (Check the following options):
 - **"Assignment and Grade Services"**
 - **"Deep Linking"**

19 Change **"Tool"** to your VHLCentral tool from the drop-down menu and **"Name"** to Launch vhlcentral.

Announcements Calendar Quick Eval Discover Data Hub Help ▾

Deploy Tool

Enabled

Auto Migrate Links

Tool *
VHLCentral

Name *
Launch vhlcentral


Description

Extensions
What are Extensions?
 Assignment and Grade Services
 Deep Linking
 Names and Role Provisioning Services
 Platform Notification Service
 Context Copy Notice

[Check the information for what will the tool.](#)

[Create Deployment](#) [Cancel](#)

20 Under "**Security Settings**" click "**Org Unit Information**".

- Anonymous
- Org Unit Information 
- User Information
 - Name
 - First Name
 - Middle Name
 - Last Name
 - Email
 - User ID
 - Username
 - Org Defined Id
- Link Information
 - Title
 - Description

21 Click "**Add Org Units**" (at the bottom of the page). This will allow you to control who sees the VHLCentral External Tool. We suggest using the "**All descendants**" setting with whatever department or org unit you wish to limit access of the VHLCentral tool to.

Auto Create Grade Items 

Substitution Parameters

What are Substitution Parameters used for?

No items found.

[+ Add Substitution Parameter](#)

Custom Parameters

What are Custom Parameters used for?

No items found.

[+ Add Custom Parameter](#)

Make tool available to:

[Add Org Units](#)

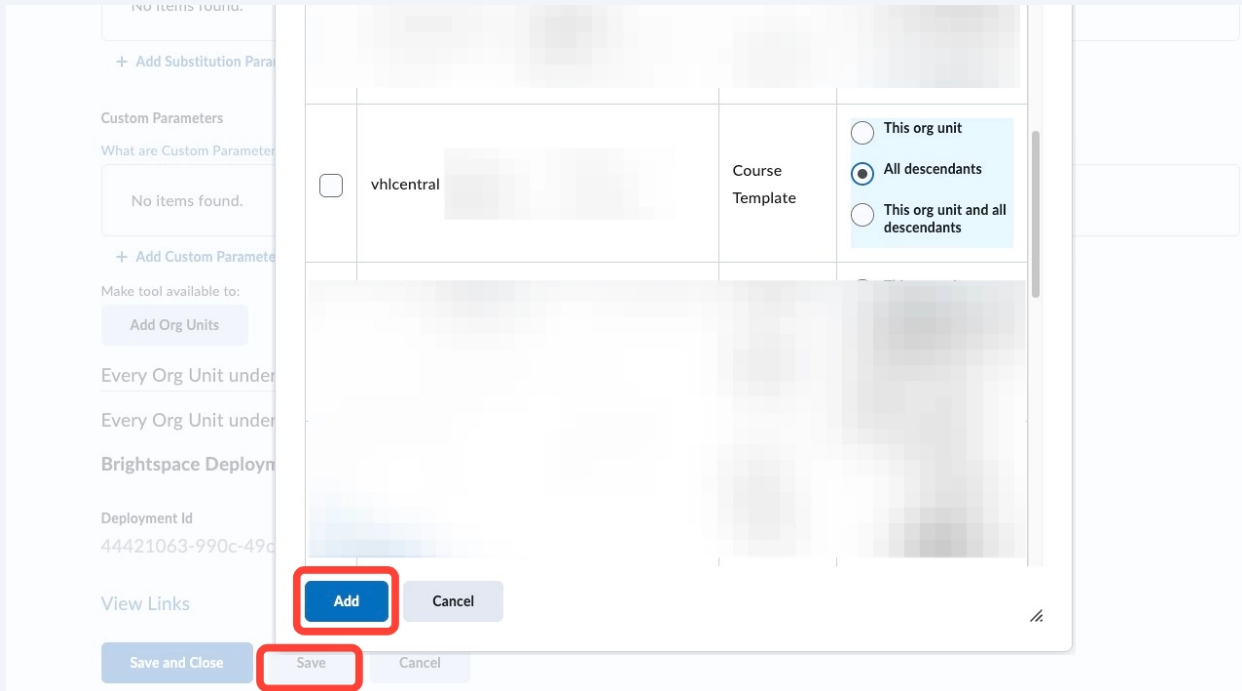
×

×

[View Links](#)

22

- Click "**All descendants**".
- Click "**Add**".
- Click "**Save**".



Quicklink Setup

23

It is important that the following permissions are enabled for the instructor to set up D2L "Quicklinks" to VHL.

Filter by Role: Filter by Tool:

Choose Org Unit Types

External Learning Tools	All	Organization	Course Template	Course Offering	Group	Semester	Section	Learning Path	Department	Program
Manage External Learning Tools Configuration	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Launch External Learning Tool Links	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manage and Delete External Learning Tool Links	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manage External Learning Tool Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create Quicklinks										

24

It is important that the following permissions are enabled for the instructor to set up D2L "Quicklinks" to VHL.

Manage External Learning Tool Providers	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create Quicklinks from available External Learning Tools links	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Create External Learning Tool Links from available External Learning Tool Providers	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manage LTI Advantage Tool Registrations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Manage LTI Advantage Tool Deployments	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Delete External Learning Tool Links	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>



Alert! The **"Manage LTI Advantage Tool Registrations"** and **"Manage LTI Advantage Tool Deployments"** must be enabled through External Learning Tools Permissions.

25 Click **"Save and Close"**.

External Learning Tool Providers										
Manage LTI Advantage Tool Registrations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Manage LTI Advantage Tool Deployments	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Delete External Learning Tool Links	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Manage LTI Migrations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
View LTI Migration Log	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

26 On the **Deploy Tools** page, click **"View Links"**

course_start_date \$CourseSection.timeFrame.begin

course_end_date \$CourseSection.timeFrame.end

+ Add Substitution Parameter

Custom Parameters

What are Custom Parameters used for?

No items found.

+ Add Custom Parameter

Make tool available to:

Add Org Units

Brightspace Deployment Details

Deployment Id

[View Links](#)

Save and Close Save Cancel

27 Click **"New Link"**.

Announcements Calendar Quick Eval Discover Data Hub Help

LTI Advantage Deployments > Dev Epinto Deploy Tool LTI-A Rostering > Links

Links

[New Link](#) Enable Disable

Filter by Type Search...

All **Enabled** Disabled

1 item in the list.

<input type="checkbox"/>	Link Name	Last Modified Date	Status	Type
<input type="checkbox"/>			Enabled	Deep Linking Quicklink

< 1 / 1 > 20 per page

28 Copy and paste the following details as shown in the sections below:

- **Name:** VHL Quicklink.
- **URL:** <https://www.vhlcentral.com/lti/launches>
- **Description:** An optional description that will help users understand what this tool does.
- **Type:** Deep Linking Quicklink - Width: 980 and Height: 650
- **Substitution Parameters:** This can be left blank.
- **Custom Parameters:** This can be left blank

29 “Create Link” completed sections (for reference).

LTI Advantage Deployments > Dev Epinto Deploy Tool LTI-A Rostering > Links > Create Link

Create Link

Enabled

Name *
VHL Quicklink

URL *
<https://www.vhlcentral.com/lti/launches>

Description
Add an optional description that will help users understand what this tool does.

Type Width Height
Deep Linking Quicklink 980 650

What are Substitution Parameters used for?

30 Click "Save and Close".

The screenshot shows a form for creating a link. The fields are filled with the following information:

- Name:** VHL Quicklink
- URL:** https://www.vhlcentral.com/lti/launches
- Description:** Add an optional description that will help users understand what this tool does.
- Type:** Deep Linking Quicklink
- Width:** 980
- Height:** 650
- Substitution Parameters:**
 - course_start_date: \$CourseSection.timeFrame.begin
 - course_end_date: \$CourseSection.timeFrame.end
- Custom Parameters:** No items found.

At the bottom of the form, there are three buttons: "Save and Close" (highlighted with a red box), "Save", and "Cancel".

31 You will see your "Quicklink" is enabled for both Deep Linking and Quicklink.

The screenshot shows the 'Links' page in a web application. The page has a navigation bar with 'Announcements', 'Calendar', 'Quick Eval', 'Discover', 'Data Hub', and 'Help'. Below the navigation bar, there is a breadcrumb trail: 'LTI Advantage Deployments > Dev Epinto Deploy Tool LTI-A Rostering > Links'. The main heading is 'Links'. There are buttons for 'New Link', 'Enable', and 'Disable'. Below these are tabs for 'All', 'Enabled', and 'Disabled'. A search bar and a 'Filter by Type' dropdown are also present. The table below shows 2 items in the list:

<input type="checkbox"/>	Link Name ▲	Last Modified Date	Status	Type
<input type="checkbox"/>			Enabled	Deep Linking Quicklink
<input type="checkbox"/>	VHL Quicklink ▼	8/19/2025 1:19 PM	Enabled	Deep Linking Quicklink

The second row of the table is highlighted with a red box. At the bottom of the table, there is a pagination control showing '< 1 / 1 >' and '20 per page'.

Information to Be Sent to VHL Tech Support

32

Please send the information that was mentioned in Step 12 in reference to the "**Brightspace Registration Details**" dialog box (see below).

Highlight the text in this dialog to **copy and paste, take a screenshot, and send to VHL Technical Support** in the **Onboarding Ticket**.

Brightspace Registration Details

Client Id

Brightspace Keyset URL

Brightspace OAuth2 Access Token URL

OpenID Connect Authentication Endpoint

Brightspace OAuth2 Audience

Issuer

[View Deployments](#)

Done

33

VHL Tech support will reply once the platform is created and will send you further information.