

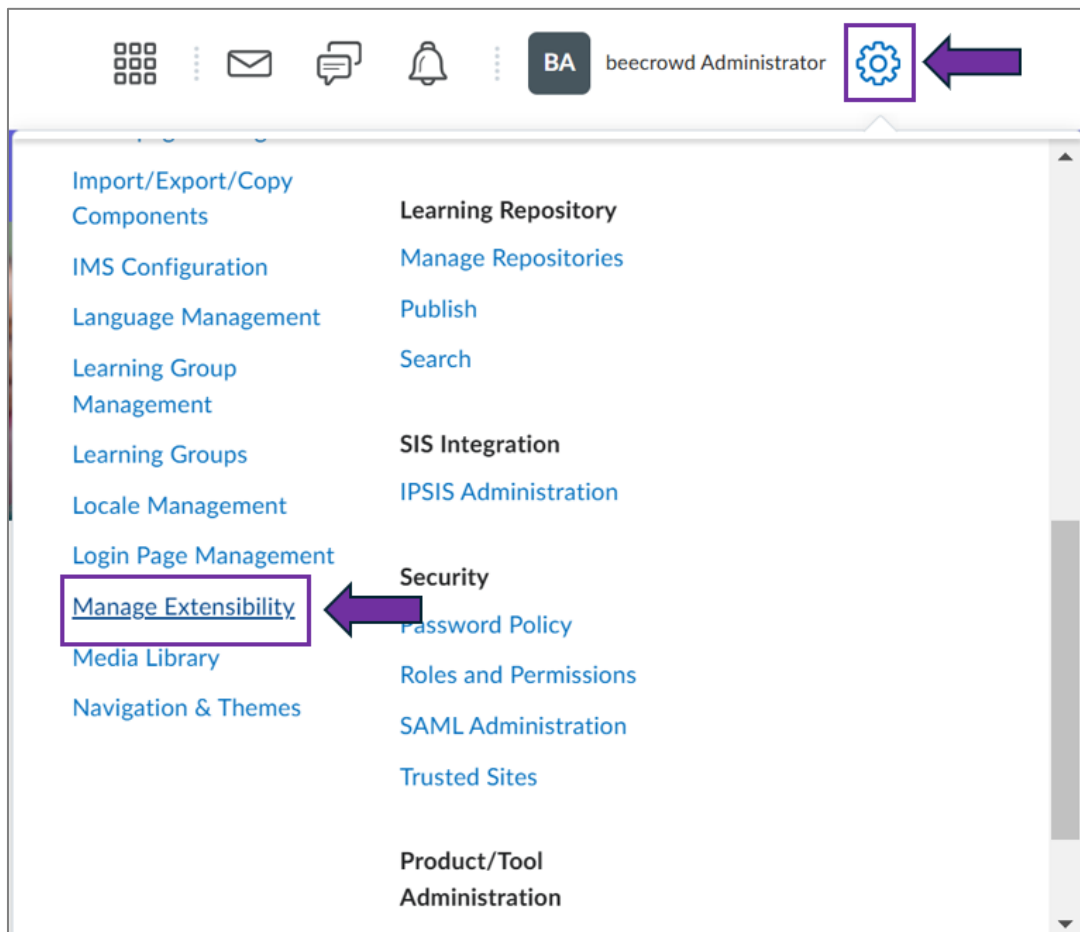
D2L BRIGHTSPACE LMS SETUP

Add an LTI Registration in Brightspace

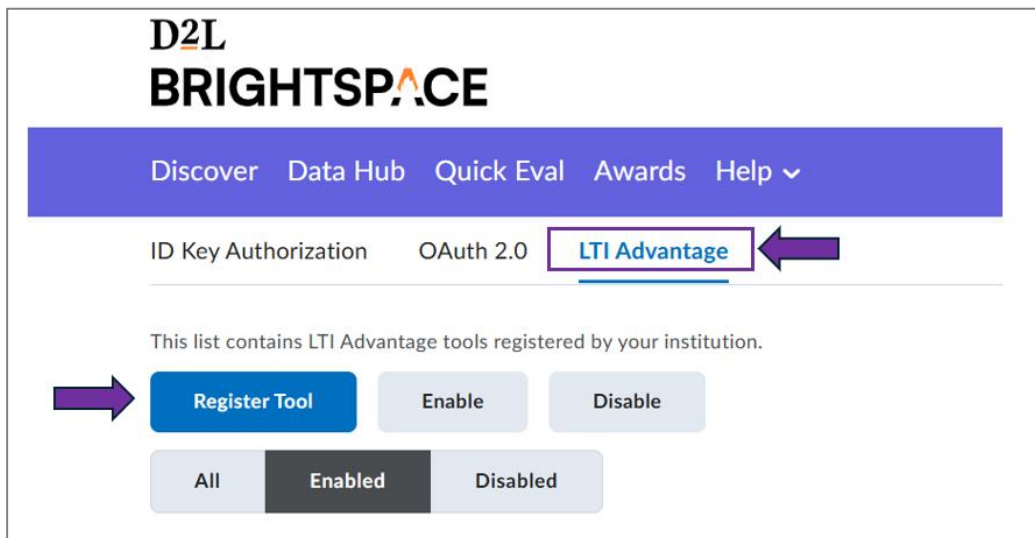
1. OPTION 1: LTI Dynamic Registration

1.1. Login to Brightspace as an administrator.

1.2. Click on Gear Icon (Admin tools) and select 'Manage Extensibility'



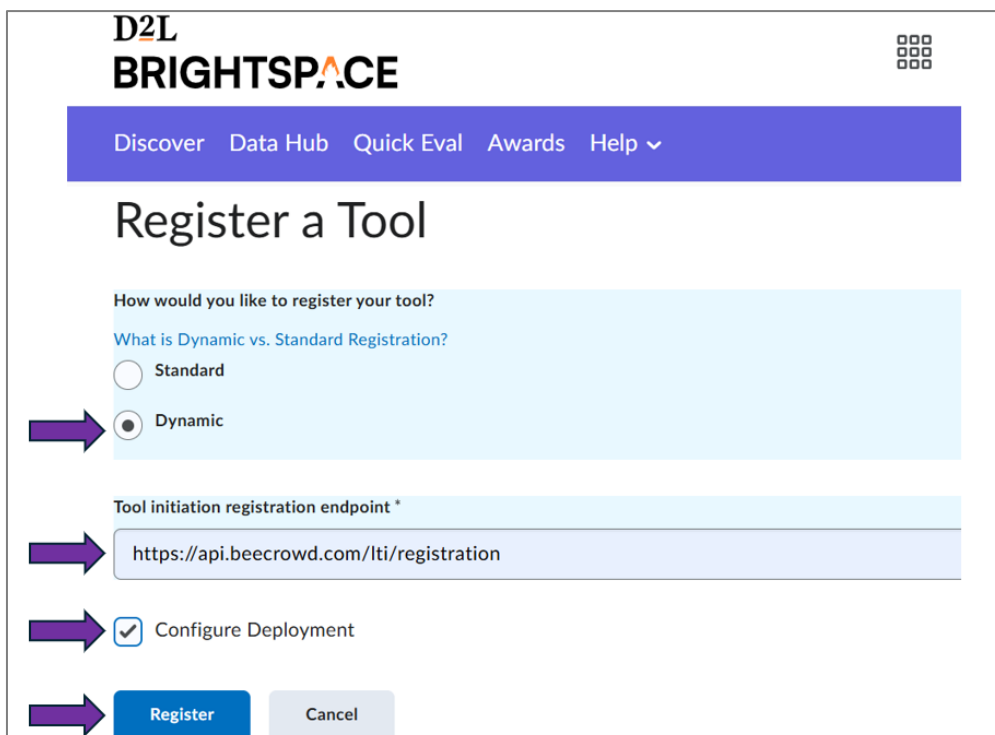
1.3. Select the 'LTI Advantage' tab, then click on 'Register Tool' button.



The screenshot shows the D2L Brightspace interface. At the top, the logo 'D2L BRIGHTSPACE' is visible. Below it is a navigation bar with links: 'Discover', 'Data Hub', 'Quick Eval', 'Awards', and 'Help'. Underneath the navigation bar, there are three tabs: 'ID Key Authorization', 'OAuth 2.0', and 'LTI Advantage'. The 'LTI Advantage' tab is selected and highlighted with a purple box and a purple arrow pointing to it from the right. Below the tabs, there is a text line: 'This list contains LTI Advantage tools registered by your institution.' Underneath this text, there are three buttons: 'Register Tool', 'Enable', and 'Disable'. The 'Register Tool' button is highlighted with a purple box and a purple arrow pointing to it from the left. Below these buttons, there are three filter buttons: 'All', 'Enabled', and 'Disabled'. The 'Enabled' button is highlighted with a dark grey background.

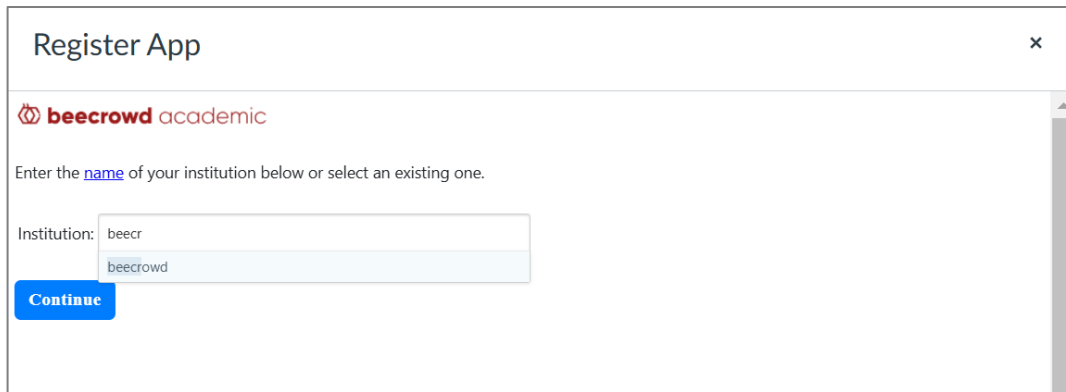
1.4. Select 'Dynamic' option on 'How would you like to register your tool?'

Enter the dynamic registration URL in the 'Tool initiation registration endpoint field': <https://api.beecrowd.com/lti/registration>, check the box 'Configure Deployment' then click 'Register'.



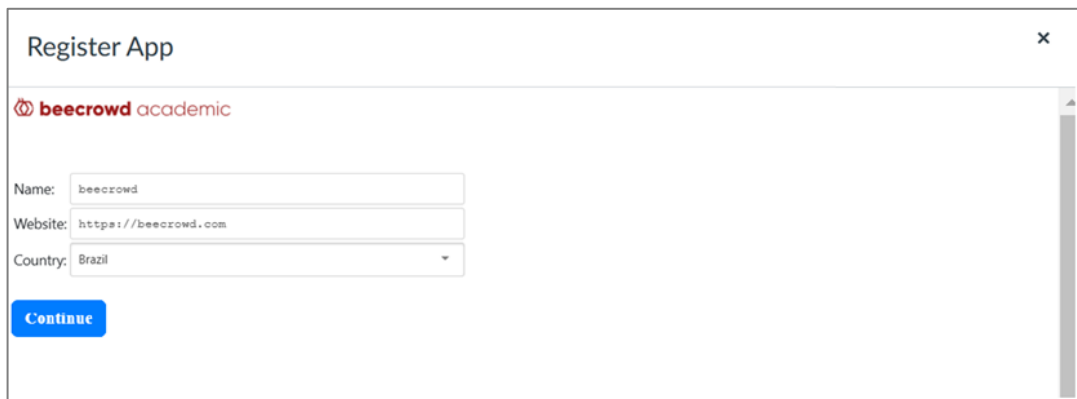
The screenshot shows the 'Register a Tool' form in the D2L Brightspace interface. At the top, the logo 'D2L BRIGHTSPACE' is visible. Below it is a navigation bar with links: 'Discover', 'Data Hub', 'Quick Eval', 'Awards', and 'Help'. The main heading is 'Register a Tool'. Below the heading, there is a section titled 'How would you like to register your tool?'. Underneath this section, there is a link: 'What is Dynamic vs. Standard Registration?'. There are two radio button options: 'Standard' and 'Dynamic'. The 'Dynamic' option is selected and highlighted with a purple box and a purple arrow pointing to it from the left. Below the radio buttons, there is a text input field labeled 'Tool initiation registration endpoint *'. The input field contains the URL 'https://api.beecrowd.com/lti/registration' and is highlighted with a purple box and a purple arrow pointing to it from the left. Below the input field, there is a checkbox labeled 'Configure Deployment'. The checkbox is checked and highlighted with a purple box and a purple arrow pointing to it from the left. At the bottom of the form, there are two buttons: 'Register' and 'Cancel'. The 'Register' button is highlighted with a purple box and a purple arrow pointing to it from the left.

1.5. Enter the name of your institution and select it on the dropdown, then click 'Continue'



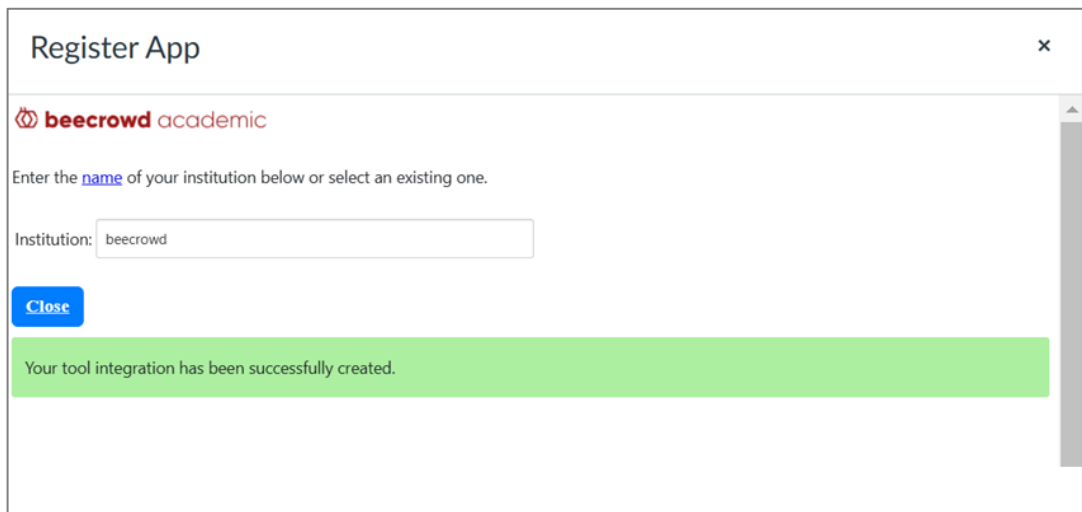
The screenshot shows a dialog box titled "Register App" with a close button (x) in the top right corner. Below the title is the "beecrowd academic" logo. The text "Enter the [name](#) of your institution below or select an existing one." is displayed. There is an input field labeled "Institution:" containing the text "beecr". A dropdown menu is open below the input field, showing the option "beecrowd" selected. A blue "Continue" button is located at the bottom left of the dialog box.

1.6. If the name is not on the list, click "[name](#)" and enter the data accordingly, then click 'Continue'



The screenshot shows the "Register App" dialog box with the following fields filled out: "Name:" with "beecrowd", "Website:" with "https://beecrowd.com", and "Country:" with "Brazil" selected in a dropdown menu. A blue "Continue" button is at the bottom left.

1.7. After completing the setup, the beecrowd tool registration is successfully finalized. Now click "Close."



The screenshot shows the "Register App" dialog box with the "Institution:" field containing "beecrowd". A blue "Close" button is at the bottom left. A green banner at the bottom of the dialog box contains the text: "Your tool integration has been successfully created."

1.8. To activate the tool, click on the tool name.

The screenshot shows the D2L Brightspace interface for LTI Advantage tools. At the top, there's a navigation bar with 'Discover', 'Data Hub', 'Quick Eval', 'Awards', and 'Help'. Below that, there are tabs for 'ID Key Authorization', 'OAuth 2.0', and 'LTI Advantage'. A message states 'This list contains LTI Advantage tools registered by your institution.' There are buttons for 'Register Tool', 'Enable', and 'Disable'. A filter bar shows 'All', 'Enabled', and 'Disabled' (selected). A search box is on the right. Below the filter bar, it says '1 of 6 selected' and 'Clear Selection'. A table lists the tools:

<input type="checkbox"/>	Tool	Last Modified Date	Status
<input checked="" type="checkbox"/>	beecrowd	11/29/2024 11:14 AM	Disabled

A purple arrow points to the 'beecrowd' tool name in the table.

1.9. Turn the switch on to enable the tool.

The screenshot shows the 'Edit beecrowd' page. At the top, it says 'Edit beecrowd'. Below that, there's a section for 'Enabled' with a toggle switch that is currently turned on (indicated by a blue checkmark).

1.9.1. Check the box 'Send Institution Role'

The screenshot shows the 'Roles' section. There's a checkbox labeled 'Send Institution Role' which is checked. There's also a small question mark icon next to it.

1.9.2. Click on 'Save' then 'View Deployments'

The screenshot shows the deployment page with the URL <https://beecrowd.brightspacedemo.com>. Below the URL, there's a 'View Deployments' link. At the bottom, there are three buttons: 'Save and Close', 'Save', and 'Cancel'. A purple arrow and circle '1' point to the 'Save' button, and another purple arrow and circle '2' point to the 'View Deployments' link.

1.10. On the Deployment View page select the following options:

- User Information
- Link Information
- Classlist including users not known to this deployment
- Open as External Resource
- Auto Create Grade Items

The screenshot shows a 'Security Settings' section with the instruction 'Select the information to share with the tool:'. Under this section, several options are listed with checkboxes. Purple arrows point to the following checked options: 'User Information', 'Link Information', 'Classlist including users not known to this deployment', 'Open as External Resource', and 'Auto Create Grade Items'. The 'Configuration Settings' section below also has three options, with purple arrows pointing to 'Open as External Resource' and 'Auto Create Grade Items'. Each option has a help icon (a question mark in a circle) next to it.

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 ? ←

1.11. Click the 'Add Org Units' button and in the popup, select which organizations/users should have access to the tool.

The screenshot shows a popup dialog titled 'Make tool available to:'. It features a button labeled 'Add Org Units'. Below the button, the text reads 'The Course Offering: beecrowd Course 1, beecrowdCourse1' followed by a close icon (an 'X' in a square).

Make tool available to:

[Add Org Units](#)

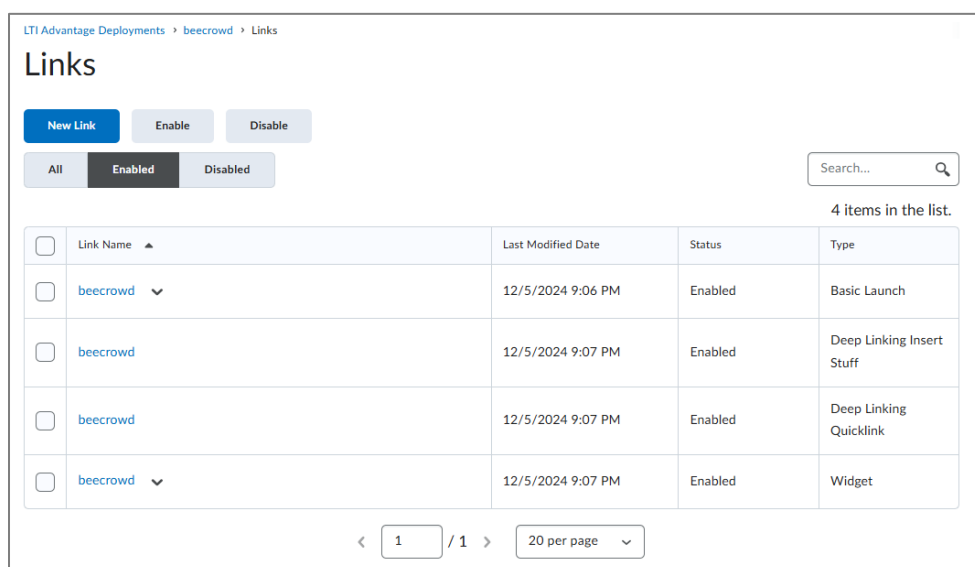
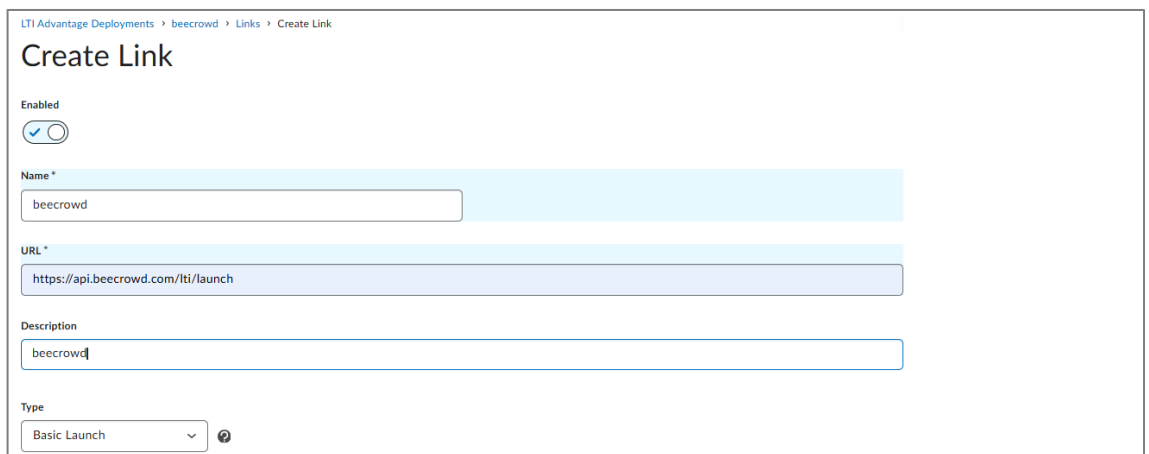
The Course Offering: beecrowd Course 1, beecrowdCourse1 ✕

1.12. Click the 'Save' button to save the deployment. Then click the '[View Links](#)'



1.13. On the Links page, complete the fields as follows bellow and click 'Save'.

- **Name:** beecrowd
- **URL:** <https://api.beecrowd.com/lti/launch>
- **Type:** Basic Launch / Deep Linking Insert Stuff / Deep Linking Quicklink
**Add a new link setup for each option.



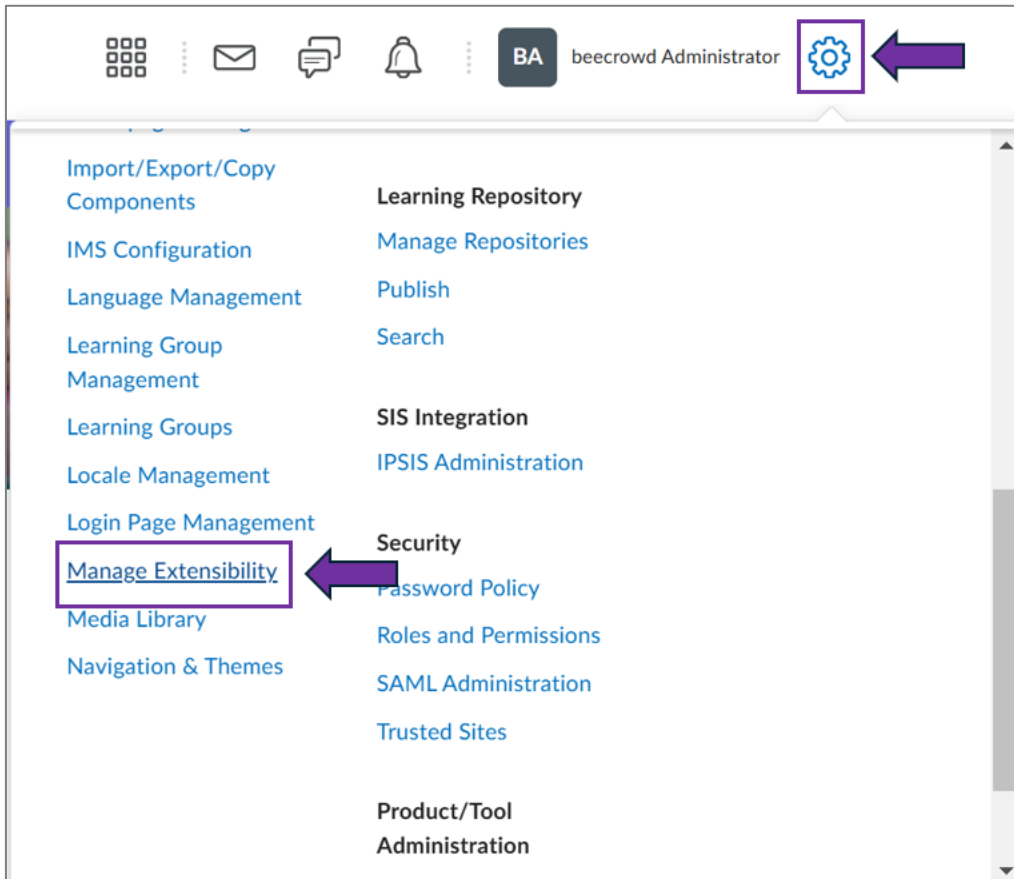
<input type="checkbox"/>	Link Name ▲	Last Modified Date	Status	Type
<input type="checkbox"/>	beecrowd ▼	12/5/2024 9:06 PM	Enabled	Basic Launch
<input type="checkbox"/>	beecrowd	12/5/2024 9:07 PM	Enabled	Deep Linking Insert Stuff
<input type="checkbox"/>	beecrowd	12/5/2024 9:07 PM	Enabled	Deep Linking Quicklink
<input type="checkbox"/>	beecrowd ▼	12/5/2024 9:07 PM	Enabled	Widget

You're all set! You can now take full advantage of beecrowd's features for your activities.

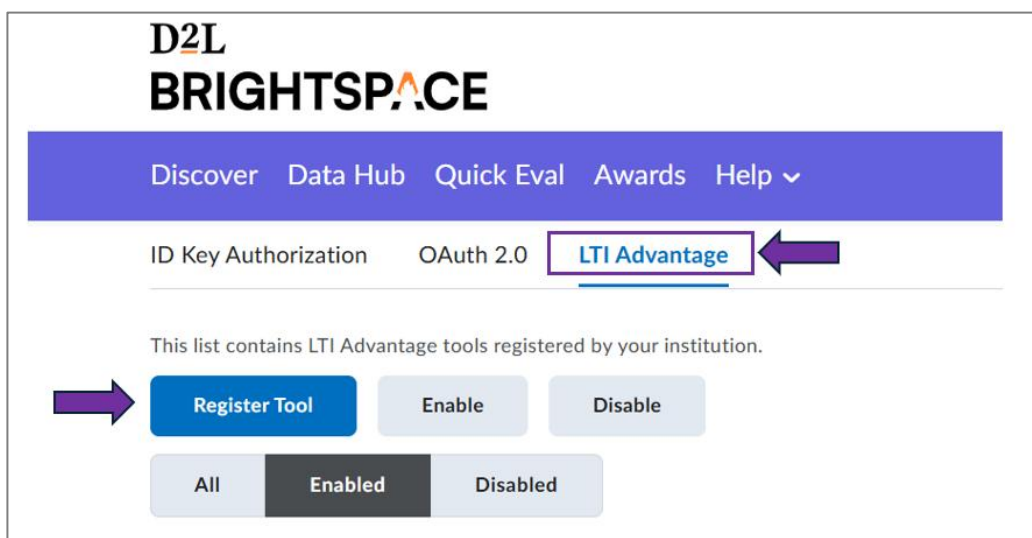
2. OPTION 2: Manual Registration

2.1. Login to Brightspace as an administrator.

2.2. Click on Gear Icon (Admin tools) and select 'Manage Extensibility'



2.3. Select the 'LTI Advantage' tab, then click on 'Register Tool' button.



2.4. Choose Standard registration, then click Register.

2.4.1. configure the tool with the following information:

- **Enabled:** CHECKED
- **Name:** beecrowd
- **Domain:** <https://api.beecloud.com/>
- **Redirection URLs:** <https://api.beecloud.com/lti/launch>
- **OpenID Connect Login URL:** <https://api.beecloud.com/lti/login>
- **Keyset URL:** <https://api.beecloud.com/lti/jwks>
- **Extensions:** ALL CHECKED
- **Role:** ALL CHECKED

Enabled

Name *

Description

Domain *

Redirect URLs *
 ×
[+ Add Redirect URL](#)

OpenID Connect Login URL *

Target Link URI
 ?

Keyset URL

Extensions

[What are Extensions?](#)

Assignment and Grade Services

Deep Linking

Names and Role Provisioning Services

Platform Notification Service


Roles


Send Institution Role ?


2.5. Once the form is complete, click the 'Register' button at the bottom. You can revisit and update the form later if needed.


- 2.6. After saving, scroll to the bottom of the registration page to view the registration details, and share the information with **sales@beecrowd.com**.


Brightspace Registration Details

Client Id
c¢ 4 

Brightspace Keyset URL
<https://beecrowd.brightspacedemo.com/d2l/.well-known/jwks> 

Brightspace OAuth2 Access Token URL
<https://auth.brightspace.com/core/connect/token> 

OpenID Connect Authentication Endpoint
<https://beecrowd.brightspacedemo.com/d2l/lti/authenticate> 

Brightspace OAuth2 Audience
<https://api.brightspace.com/auth/token> 

Issuer
<https://beecrowd.brightspacedemo.com> 