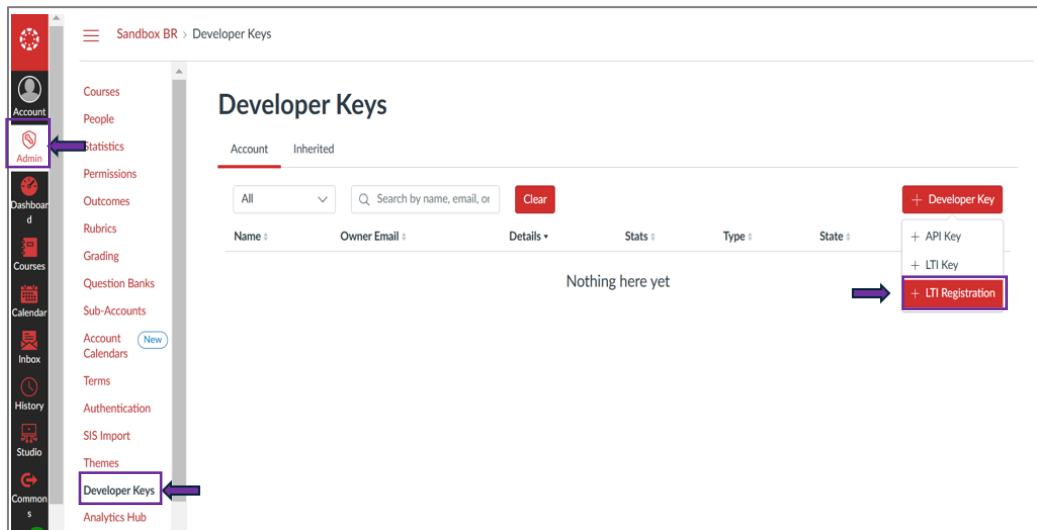


# CANVAS LMS SETUP

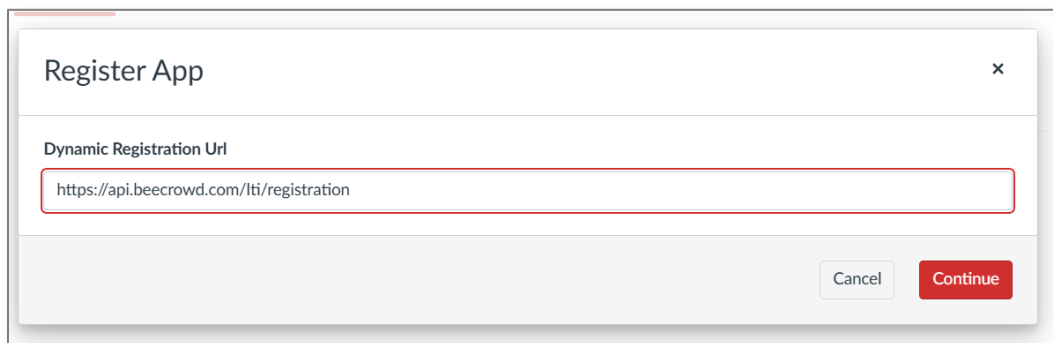
## STEP 1: Add an LTI Registration in Canvas

### 1. OPTION #1: LTI Dynamic Registration

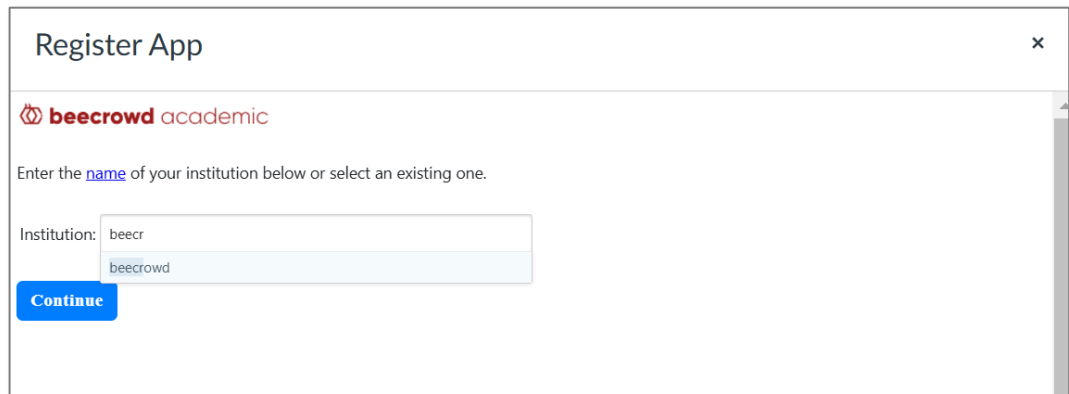
- 1.1. Login to your Canvas LMS as an administrator.
- 1.2. Navigate to 'Admin' -> 'Developer Keys'
- 1.3. Click the '+ Developer Key' followed by the '+ LTI Registration' dropdown



- 1.4. Enter the dynamic registration URL:  
<https://api.becrowd.com/lti/registration>, then click 'Continue'.

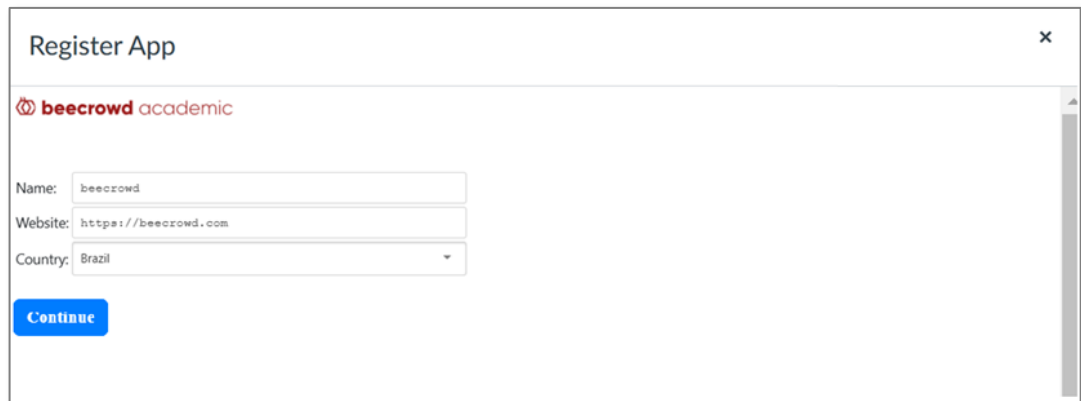


1.5. Enter the name of your institution and select it on the dropdown, then click 'Continue'



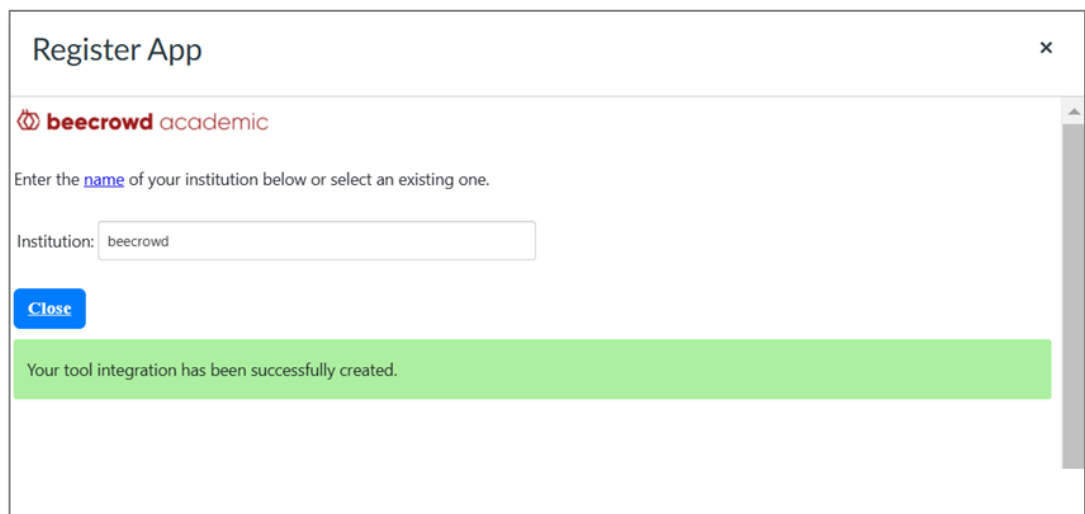
The screenshot shows a dialog box titled "Register App" with a close button (x) in the top right corner. Below the title is the "beecrowd academic" logo. The text reads: "Enter the [name](#) of your institution below or select an existing one." There is an "Institution:" label followed by a text input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

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



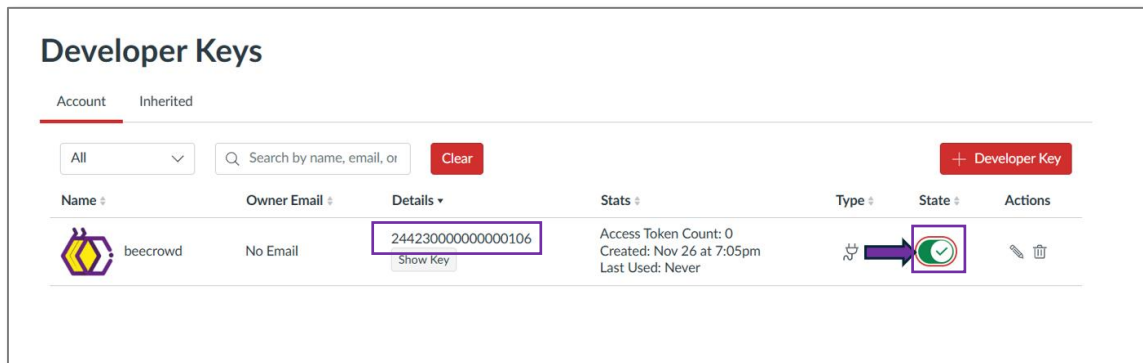
The screenshot shows the "Register App" dialog box with the following fields filled out: "Name:" with "beecrowd", "Website:" with "https://beecrowd.com", and "Country:" with a dropdown menu set to "Brazil". A blue "Continue" button is positioned below these fields.

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 visible. Below the input field, a green banner displays the message: "Your tool integration has been successfully created."

## 1.8. To activate the tool, turn on the developer key state

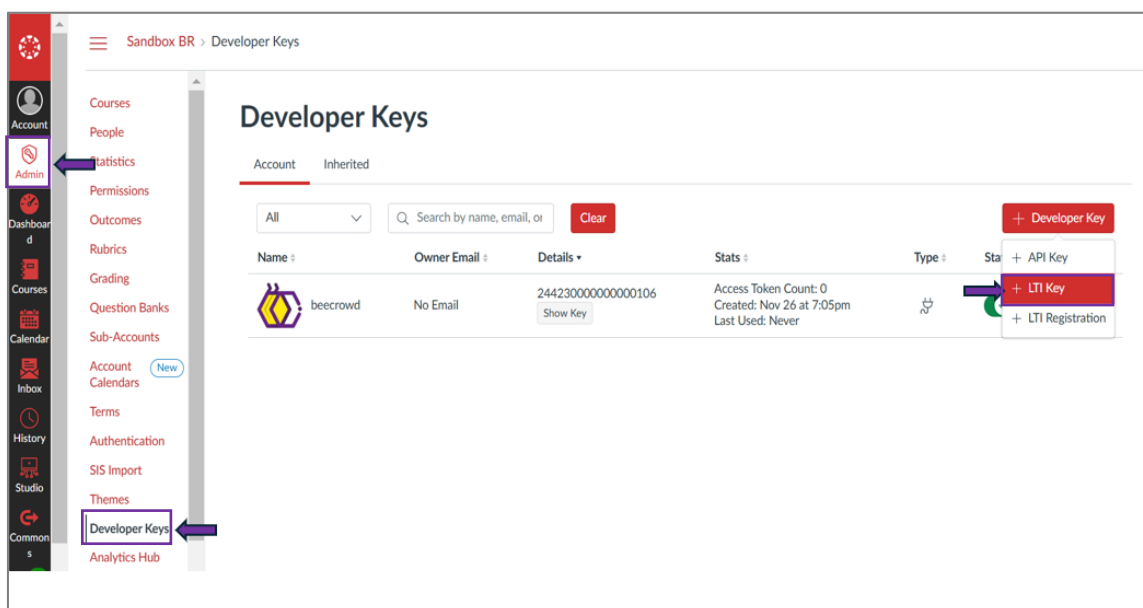


The screenshot shows the 'Developer Keys' page in Canvas. At the top, there are tabs for 'Account' and 'Inherited'. Below this is a search bar with a dropdown set to 'All' and a 'Clear' button. A red '+ Developer Key' button is in the top right. The main content is a table with columns: Name, Owner Email, Details, Stats, Type, State, and Actions. One row is visible for 'beecrowd' with 'No Email' as the owner. The 'Details' column contains the client ID '24423000000000106'. The 'Stats' column shows 'Access Token Count: 0', 'Created: Nov 26 at 7:05pm', and 'Last Used: Never'. The 'Type' column has a key icon. The 'State' column shows a green checkmark in a circle, indicating the key is active. The 'Actions' column has edit and delete icons.

**NOTE:** The number generated in the "Details" column is the client ID and will be used to install the tool in the course or for organization purposes.

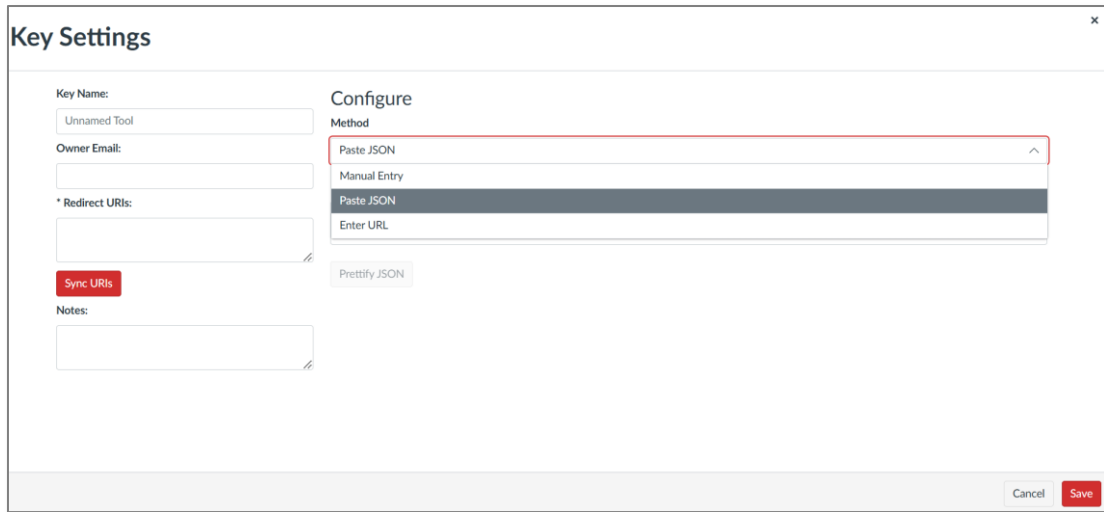
## 2. OPTION #2: LTI KEY JSON Set up

- 2.1. Login to your Canvas LMS as an administrator.
- 2.2. Navigate to 'Admin' -> 'Developer Keys'
- 2.3. Click the '+ Developer Key' followed by the '+ LTI Key' dropdown



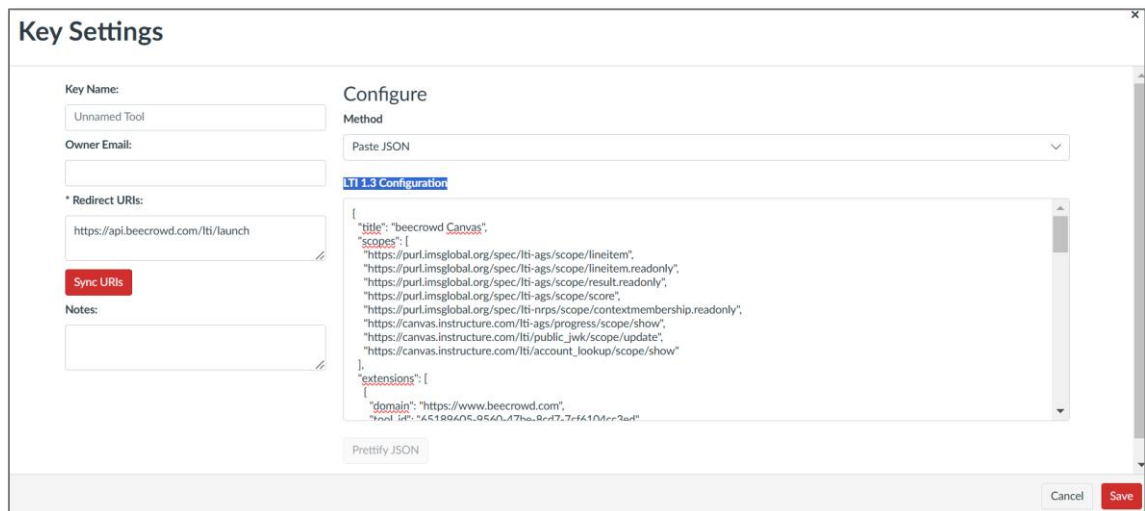
The screenshot shows the Canvas Admin interface. On the left is a navigation sidebar with 'Admin' selected. The main content area shows the 'Developer Keys' page. The 'Admin' sidebar item is highlighted with a blue arrow. The 'Developer Keys' page has the same search and '+ Developer Key' button as the previous screenshot. A dropdown menu is open from the '+ Developer Key' button, showing options: '+ API Key', '+ LTI Key' (highlighted with a blue arrow), and '+ LTI Registration'. The table below shows the 'beecrowd' key with its details and stats.

## 2.4. Select the option "Paste JSON"



The screenshot shows the 'Key Settings' dialog box. On the left, there are fields for 'Key Name' (containing 'Unnamed Tool'), 'Owner Email', and '\* Redirect URIs' (containing 'https://api.becrowd.com/lti/launch'). Below these is a 'Sync URIs' button and a 'Notes' field. On the right, the 'Configure' section has a 'Method' dropdown menu with 'Paste JSON' selected. Other options in the dropdown are 'Manual Entry' and 'Enter URL'. There is also a 'Prettify JSON' button. At the bottom right, there are 'Cancel' and 'Save' buttons.

## 2.5. Place the provided JSON in the "LTI 1.3 Configuration" field and click "Save".



The screenshot shows the 'Key Settings' dialog box with the 'LTI 1.3 Configuration' field filled with JSON data. The 'Method' dropdown is still set to 'Paste JSON'. The JSON data is as follows:

```
{
  "title": "becrowd Canvas",
  "scopes": [
    "https://purl.imsglobal.org/spec/lti-ags/scope/lineitem",
    "https://purl.imsglobal.org/spec/lti-ags/scope/lineitem.readonly",
    "https://purl.imsglobal.org/spec/lti-ags/scope/result.readonly",
    "https://purl.imsglobal.org/spec/lti-ags/scope/score",
    "https://purl.imsglobal.org/spec/lti-nrps/scope/contextmembership.readonly",
    "https://canvas.instructure.com/lti-ags/progress/scope/show",
    "https://canvas.instructure.com/lti/public_jwk/scope/update",
    "https://canvas.instructure.com/lti/account_lookup/scope/show"
  ],
  "extensions": [
    {
      "domain": "https://www.becrowd.com",
      "tool_id": "4c5189605_9562147ba-8c47-7-f4101c1e3a11"
    }
  ]
}
```

At the bottom right, there are 'Cancel' and 'Save' buttons.

2.6. To activate the tool, turn on the developer key state

The screenshot shows the 'Developer Keys' management interface. At the top, there are tabs for 'Account' and 'Inherited'. Below the tabs is a search bar with a dropdown menu set to 'All', a search input field with the placeholder 'Search by name, email, or', and a 'Clear' button. To the right of the search bar is a red button labeled '+ Developer Key'. Below the search bar is a table with the following columns: Name, Owner Email, Details, Stats, Type, State, and Actions. The table contains one entry for 'beecrowd' with 'No Email' as the owner email. The 'Details' column for this entry shows the client ID '24423000000000106' and a 'Show Key' button. The 'Stats' column shows 'Access Token Count: 0', 'Created: Nov 26 at 7:05pm', and 'Last Used: Never'. The 'Type' column shows a key icon. The 'State' column shows a green checkmark icon, indicating the key is active. The 'Actions' column shows edit and delete icons.

Name	Owner Email	Details	Stats	Type	State	Actions
beecrowd	No Email	24423000000000106 Show Key	Access Token Count: 0 Created: Nov 26 at 7:05pm Last Used: Never	Key	ON	Edit, Delete

**NOTE:** The number generated in the "Details" column is the client ID and will be used to install the tool in the course or for organization purposes.

## STEP 2: Install beecrowd tool / APP

### 1. Install beecrowd tool

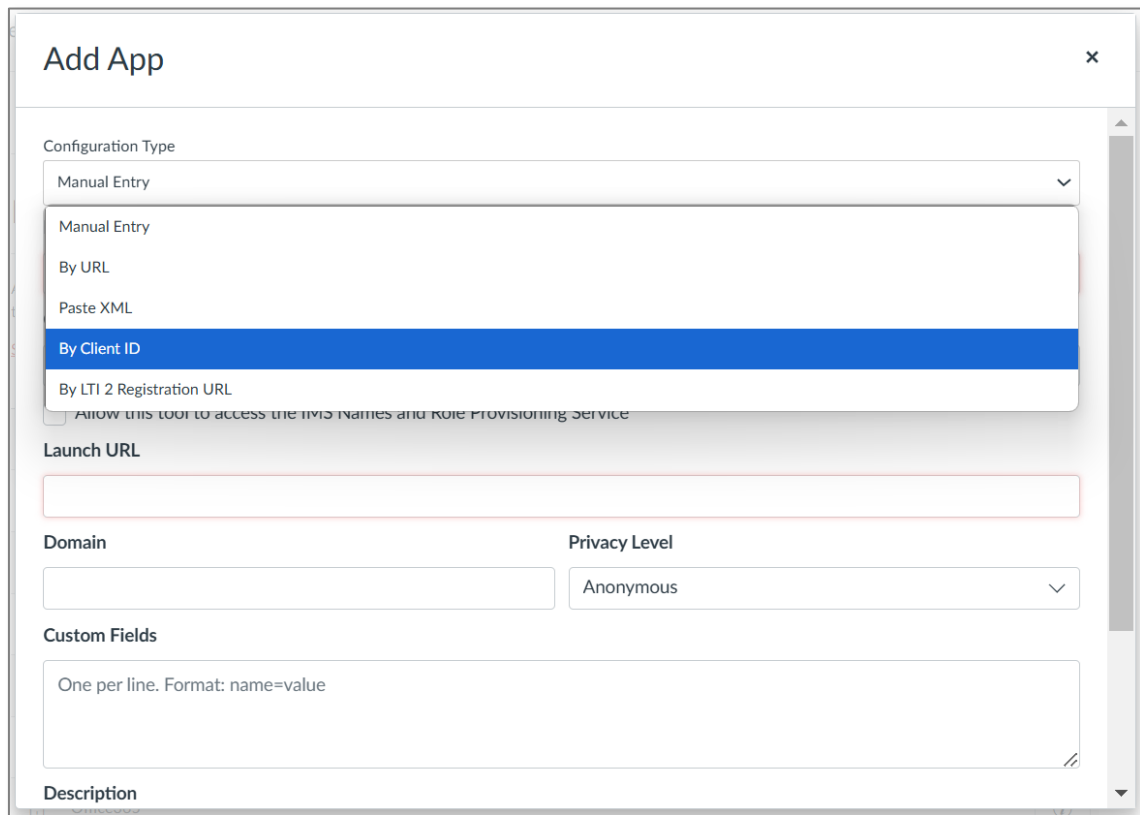
1.1. Navigate to 'Courses' or 'Admin' -> 'Settings'

1.2. Click the 'View App Configurations' followed by the '+ APP'

The screenshot shows the Canvas LMS interface. On the left sidebar, the 'Admin' and 'Courses' menu items are highlighted with blue arrows, and the 'Settings' item is also highlighted. The main content area displays the 'External Apps' page. At the top right of this page, the 'View App Configurations' button is highlighted with a blue arrow. Below the title, there is a description of apps and a list of installed and not installed apps, including AcadSource, Accepi, ACCESS VIDEO ON DEMAND, acclaim, Accommodate HQ, and Accredible.

This is a close-up screenshot of the 'External Apps' page. The '+ App' button is highlighted with a blue arrow, and the 'View App Center' button is visible to its right.

1.3. In the dropdown of Configuration Type, select 'By Client ID'



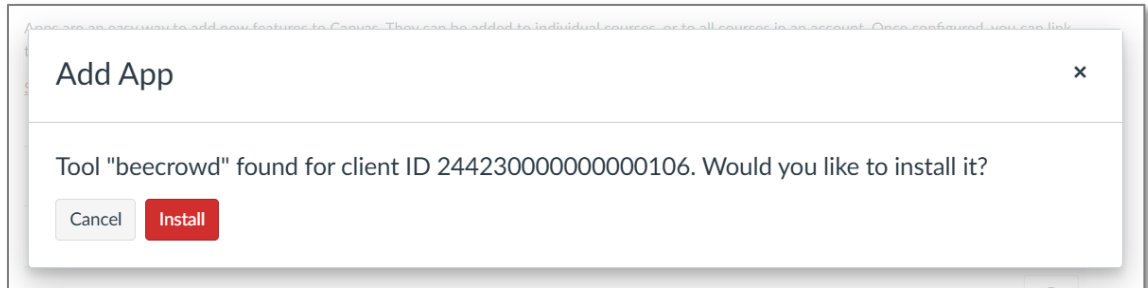
The screenshot shows the 'Add App' dialog box. The 'Configuration Type' dropdown menu is open, displaying several options: 'Manual Entry', 'By URL', 'Paste XML', 'By Client ID' (which is highlighted in blue), and 'By LTI 2 Registration URL'. Below the dropdown, there is a checkbox labeled 'Allow this tool to access the LMS Names and Role Provisioning Service'. Other fields visible include 'Launch URL', 'Domain', 'Privacy Level' (set to 'Anonymous'), 'Custom Fields' (with a placeholder 'One per line. Format: name=value'), and 'Description'.

1.4. Then place the Client ID number generated from developer key page, and click 'Submit'



The screenshot shows the 'Add App' dialog box with 'By Client ID' selected in the 'Configuration Type' dropdown. The 'Client ID' input field contains the number '24423000000000106'. Below the input field, there is a note: 'To obtain a client ID, an account admin will need to generate an LTI developer key.' At the bottom, there are two buttons: 'Cancel' and 'Submit'.

## 1.5. Click 'Install'



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