



vhcentral

LTI-Advantage with Rostering

Canvas

Administrator Guide

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Canvas Administrator's Guide for VHL LTI Advantage with Rostering

[Notes and Prerequisites for Setup](#)

[Feature/Integration Setup](#)

[Account Management](#)

[LTI Key Type](#)

[LTI Keys Management](#)

[Account Setup](#)

[Step 1 Developer Keys Configuration](#)

[Step 2 Information to communicate to VHL Technical Support:](#)

[Step 3 External Apps Installation](#)

Notes and Prerequisites for Setup

Feature/Integration Setup

Feature Options

The LTI 1.3 and LTI Advantage framework involves the LTI 1.3 and LTI Advantage account-level feature option, which can be enabled for an entire account. A Canvas administrator can enable this feature in Account Settings.

Name	Owner Email	Details	Stats	Type	State
VHL QA15 LTI	rpayne@vistahigherlearning.com	100000000000001 Show Key	Access Token Count: 0 Created: Jul 5 at 12:04pm Last Used: Never		ON ALLOW OFF

Account Management

Permissions

Users who want to manage Developer Keys must have the Developer Keys - manage permission.

No additional permissions are required to be enabled with this feature.

LTI Key Type

The Developer Keys page indicates LTI Keys by the external tool icon. All LTI Keys automatically generate a Client ID, which displays in the Details column. The state of the LTI Key indicates if the Client ID for the associated tool can be added to an account or course.

LTI Keys Management

LTI Keys can be edited at any time, which would allow changes to the state of provided services, Canvas placement, and other options. Any changes to the key may take time to apply, as changes apply to all tools associated with the key throughout the account.

Roles outside of the admin role do not have access to the client ID, which means it must manually be shared with anyone who has permission to manually install external tools (*not recommended*).

LTI Keys that are off cannot be added and displayed in an account or course. If a key is turned off and has already been added in an account or course, the account or course where the LTI has been added no longer displays the tool. If re-enabled at a later date, the tool will be reactivated in the account or course.

If an LTI Key is to be deleted, the tool displays a warning—this action will delete all tools associated with the developer key. Once a key is deleted, it cannot be restored. Should an admin want to re-create the LTI Key for a tool, the tool must be re-added to all previous locations where it was installed. Admins could consider disabling the key instead of deleting the key until they are certain the key should be deleted.

Account Setup

Unlike the process for adding an external tool, the LTI 1.3 and LTI Advantage platform requires a tool to be initially configured in the Developer Keys page, then added to an account or course.

Step 1: Developer Keys Configuration

When this feature option is enabled, the Add Developer Key button includes two options: Add API Key and Add LTI Key. Selecting the Add LTI Key option displays a page for creating an LTI Key.

The screenshot shows the 'Developer Keys' page in a system admin interface. The breadcrumb is 'Site Admin > Developer Keys'. The left sidebar contains navigation items: Account, Admin, Dashboard, Courses, Calendar, and Inbox. The main content area has a 'Developer Keys' header and a table of keys. A '+ Developer Key' button is visible in the top right, with a dropdown menu showing '+ API Key' and '+ LTI Key' options. A red arrow points to the '+ LTI Key' option.

Name	Owner Email	Details	Stats	Type	State	
VHL QA15 LTI	rpayne@vistahigherlearning.com	100000000000001 Show Key	Access Token Count: 0 Created: Jul 5 at 12:04pm Last Used: Never		ON ALLOW	OFF

All data is provided by VHL at https://www.vhlcentral.com/lti/canvas_config_rostering.json. Enter https://www.vhlcentral.com/lti/canvas_config_rostering.json URL, the Key Name, Owner Email, and redirect URIs: (use <https://www.vhlcentral.com/lti/launches>) and click save. Your tool will now be configured. **NOTE: If you need to adjust the configuration further, you can always use the edit option to go back in and make changes from the standard necessary settings.**

Key Settings

The screenshot shows the 'Key Settings' form. The 'Key Name' field contains 'LTI Key'. The 'Owner Email' field contains 'name@domain.com'. The 'Redirect URIs' field contains 'https://www.vhlcentral.com/lti/launches'. The 'Notes' field is empty. The 'Configure' section has a 'Method' dropdown set to 'Enter URL' and a 'JSON URL' field containing 'https://www.vhlcentral.com/lti/canvas_config_dd'.

You will then be returned to the Developer Keys page and see the new key added. The Client ID will appear in the Details Column.

Developer Keys

Account

[+ Developer Key](#)

Name	Owner Email	Details	Stats	Type	State	Actions
VHL Central	admin@institution.com	10000000000002 Show Key	Access Token Count: 0 Created: Jul 6 at 3:12pm Last Used: Never		ON ALLOW OFF	
VHL QA15 LTI	rpayne@vistahigherlearning.com	10000000000001 Show Key	Access Token Count: 0 Created: Jul 5 at 12:04pm Last Used: Never		ON ALLOW OFF	

After the data in the page is saved, the key needs to be turned on so it will be available.

Step 2: Information to communicate to VHL Technical Support:

Once the developer key has been created, the admin needs to communicate the following information to VHL Tech Support so they can setup the institution's LMS in the VHL System:

- **Developer key:** The Developer Key is in the Details column of the Developer Keys page. **NOTE:** There can possibly be multiple Developer Keys for the same institution.
- The Canvas URL for the institution (also known as **ISSUER ID:**)
- Please send whatever other URL information you normally send for setting up LTI Advantage tools in Canvas.

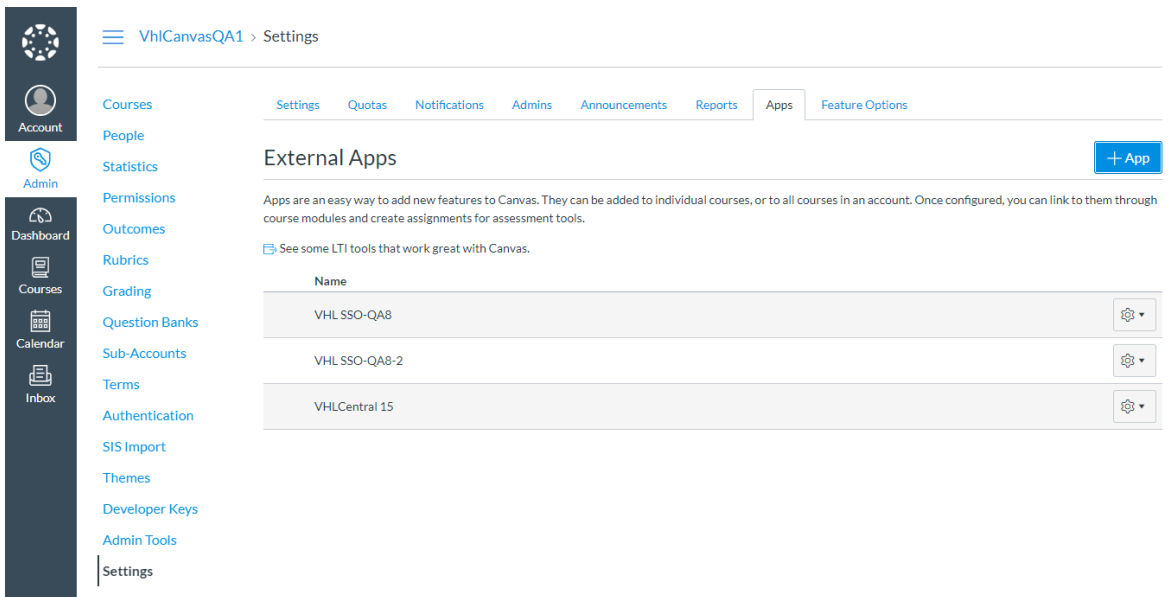
Step 3: External Apps Installation

External Apps Installation on the Account or Sub-account Level

At the account or sub-account level, external tools can be installed in the External Apps page in Account (or sub-account) Settings. After selecting the account or sub-account where you want to add the tool go to **Settings** and select the **Apps** tab. Then select the **+App** button to open the Add AP dialog.

NOTE: If the tool is installed at the account or sub-account level, then it will be available as an option in the side menu bar for all courses in the account or sub-account that was chosen when

Settings was accessed. If a sub-account was selected then it will ONLY appear for courses in that sub-account. The tool will NOT need to be added on the course level.



The screenshot shows the Canvas LMS interface. On the left is a dark sidebar with navigation icons for Account, Admin, Dashboard, Courses, Calendar, and Inbox. The main content area is titled 'VHLCanvasQA1 > Settings'. A horizontal menu at the top includes Settings, Quotas, Notifications, Admins, Announcements, Reports, Apps (selected), and Feature Options. Below this is the 'External Apps' section, which includes a '+ App' button and explanatory text: 'Apps are an easy way to add new features to Canvas. They can be added to individual courses, or to all courses in an account. Once configured, you can link to them through course modules and create assignments for assessment tools.' A link says 'See some LTI tools that work great with Canvas.' Below this is a table with three rows, each representing an installed app:

Name	
VHL SSO-QA8	
VHL SSO-QA8-2	
VHLCentral 15	

Users who have the appropriate permission to install an LTI key must also have the Client ID associated with the key. LTI Advantage apps can be added via the Client ID option. Only the Client ID needs to be added.



The 'Add App' dialog box has a title bar with a close button (x). It contains a 'Configuration Type' dropdown menu set to 'By Client ID'. Below it is a 'Client ID' text input field containing the value '100000000000002'. A note below the input field reads: 'To obtain a client ID, an account admin will need to generate an LTI developer key.' At the bottom are 'Cancel' and 'Submit' buttons.

If the Client ID is associated with an external tool, the tool name displays in the page. The page also confirms the tool should be installed.

The next step is to enable the App within a course. See the Teacher's guide for details on how to do that`