



LTI Tool Admin Guide – Sakai

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Getting Started - Requesting Credentials from Barnes & Noble College

The LMS Administrator will need to request a key and secret in order to successfully author links for courses in the LMS.

Following are instructions on how to access and request a consumer key and shared secret:

- Navigate to the following URL:
<https://blti.bncollege.com/registration/consumer>
- Complete the form, taking note of the required fields:

Field Name	Description
LMS Type	Please select the LMS used at your institution (e.g. Sakai).
School	Enter your institution's name in this field. This is a free form text box with no character limits.
Email	Please enter your institutional email address. An auto-generated email will be sent to this address when the consumer key and shared secret are created.
First Name	Enter your first name in this field.
Last Name	Enter your last name in this field.
Phone	Enter your phone number in this field.
Job Title	We recommend that you also enter your job title. This will help Barnes & Noble College know this request is legitimate.
CAPTCHA	For security purposes. This step must be completed before the credential request can be submitted for processing.

If your institution employs multiple learning management systems, a separate key request will need to be submitted for each.

Once all the required fields including CAPTCHA are successfully filled, click the **Submit** button to submit the key and secret request.

After the credential request has been successfully submitted, the system will direct you to a success page. You will also receive a confirmation email from the Barnes & Noble College LTI support team with steps to [test the connectivity](#) (also seen in the next step) and further instructions to set up the LTI integration.



Your consumer key and shared secret will be generated and sent to your provided email address, after you have provided Barnes & Noble College with all of the information requested in the following step.

Testing Link Connectivity with Barnes & Noble College

By testing the link connectivity, you are providing Barnes & Noble College with the parameters used within your Sakai instance. Knowing the Course ID or Course Registration Number format used by your campus will help us devise an algorithm to link students to the correct course materials and instructors to their correct courses.

Following are the steps to test connectivity:

Steps
1. Log in to Sakai with your administrator username and password.
2. Select Worksite Setup in the left-hand navigation.
3. Select an available course where you can install this external tool. A course from your current term is ideal, as it will contain the most up-to-date parameters. If you test in staging, please choose a course with a production name/course ID. Please note: a test conducted from a sandbox will not provide the necessary course information.
4. Click the Site Info link in the left-hand navigation.
5. Click the Edit Tools button (Manage Tools in Sakai 11+) located in the horizontal menu of the Site Info page.
6. On the resulting page titled Course Site Tools, select External Tool .
7. Scroll down, and click Continue .
8. On the Customize tool instances page, replace the title in the text box with BN Connectivity Test , and click Continue .
9. On the confirmation page, click Finish .
10. Your entry is submitted, and you will be returned to the Site Info page.
11. From there, click on the BN Connectivity Test link in the left-hand navigation menu.
12. The page will read, "This tool has not yet been configured." Click on the pencil icon to the right of this message to configure to author the link.

Steps

13. Enter the following in the fields:

- Remote Tool Url: <https://blti.bncollege.com/lti/1.1/debug>
- Remote Tool Key: enter **Test**
- Remote Tool Secret: enter **Test**
- Set Button Text: *leave blank*
- Set Tool Title: *leave blank*
- Choose an icon for this tool: *leave blank*
- Open in a New Window: checked
- Maximize Window Width: unchecked
- iFrame Height: *leave blank*
- Debug Launch: unchecked
- Send Names to the External Tool: unchecked
- Send Email Addresses to the External Tool: unchecked
- Allow the External Tool to retrieve the course roster: unchecked
- Allow the External Tool to store and retrieve its settings: unchecked
- Splash Screen: *leave blank*
- Custom Launch Parameters: *leave blank*

14. Click Update Options to save the tool settings.

15. You will be taken to the LTI Parameters page.

16. On this page, click **Send LTI Parameters to Barnes & Noble College**.

17. Fill in the required information, then click **Submit**.

- a. A message will appear indicating the successful submission of your test.

18. Please repeat the test for courses of different formats, e.g. multi-section or cross-listed courses.

19. Once testing is complete, please email a listing of term codes for the academic year (e.g. **201909 = Fall 2019, etc.**) to ltisupport@bncollege.com.

20. We recommend that you remove the BNC Connectivity Test external tool from your courses once you have submitted the results to Barnes & Noble College.



If you have trouble submitting your connectivity test, send a screenshot to ltisupport@bncollege.com.

System-Level External Tool Setup

After receiving the key and secret, the Sakai administrator will create an external tool to enable the following LTI link globally in Sakai:

- **Purchase Course Materials**
 - This LTI link will direct students to their course materials on the official bookstore website.

Setup for “Purchase Course Materials” Link

Steps
1. Log in to Sakai with your administrator username and password.
2. From My Workspace, click Worksite Setup and select the Administration Workspace worksite.
3. Click the External Tools link in the left-hand navigation.
4. In the External Tools menu, click the Tools Available in System button.
5. Click on the link for Add LTI 1.1 Tool located toward the top-right corner of the page.
6. Enter the following in the fields: <ul style="list-style-type: none">• Site Id: <i>leave blank</i>• Tool Title: Purchase Course Materials• Allow tool title to be changed: Do not allow• Button Text: Purchase Course Materials• Allow button text to be changed: Do not allow• Description <i>leave blank</i>• Tool Status: Enabled• Tool Visibility: Visible• Launch URL: https://blti.bncollege.com/lti/1.1/launch/bn_wcs• Allow launch URL to be changed: Do not allow• Launch Key: <i>Enter the consumer key provided to you via email.</i>• Allow launch key to be changed: Do not allow• Launch Secret: <i>Enter the shared secret provided to you via email.</i>• Allow launch secret to be changed: Do not allow• Frame Height: <i>leave blank</i>• Allow frame height to be changed: Do not allow• Privacy Settings: <i>leave all unchecked</i>• Services: <i>leave all unchecked</i>• Launch in Popup: Always launch in Popup• Debug Launch: Never launch in debug mode• Custom Parameters: <i>leave blank</i>• Allow additional custom parameters: unchecked• Splash screen: <i>leave blank</i>

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Steps
7. Click Save .
8. The Purchase Course Materials external tool will now be available for administrators or faculty to add within courses.

We suggest setting up this link in a staging environment for testing before implementing in your production environment.

Testing the Link

After placing the link, we recommend testing before announcing it on campus.



When testing, please use a course from a current or upcoming term. Using a course from a past term will not test successfully, as the term may no longer be available on the bookstore website.

Purchase Course Materials

Steps
1. Log into Sakai with student credentials.
2. Select a course that has the LTI link enabled from your Sites menu.
3. In the section where the link is placed, click Purchase Course Materials . a. You will be redirected to your campus bookstore website in a new tab or window. b. The pop-up may be blocked on the first attempt. Enable the pop-up from your browser.
4. On the first cross-over, you will be prompted to log into your campus bookstore website. a. Please click Create Account , fill out the required information, and click Create Account .
5. You will be signed in, and your Sakai account will be paired with the bookstore website. a. You will not have to log in again when using the Purchase Course Materials link in the future, whether from the same course or a different one.
6. On the bookstore website, you are provided with the course materials for the course you selected in Sakai. Text materials will appear in all of the available formats (new, used, rental, and/or digital). a. Once you reach this point, the test is successful.
7. To further verify the account pairing: a. Hover over “Hello, [Your Name]” at the top of the page. b. Click My Account . c. Scroll down to “LMS Account.” If you are linked, you will have the option to unlink your account.

Adding the Link to Your Template

Once you have completed the System-Level External Setup, add the link to your course template for inclusion in Sakai courses at your institution.

Steps
1. Log in to Sakai with your administrator credentials.
2. Navigate to your course template.
3. Click on Site Info from the navigation bar.
4. Click on the Manage Tools tab.
5. Under the Course Site Tools list, find Plugin Tools and click on it to expand the selection.
6. Check the box for Purchase Course Materials .
7. Click Continue .
8. On the next page, for Purchase Course Materials, click the drop-down option under “Choose a custom icon.”
9. Search “book” to locate the book icon, and select it.
10. Click Continue .
11. In the confirmation menu, click Finish .
12. The bookstore link will be present in the course menu of your template.

Going Live

When you have completed the setup of the Barnes & Noble College LTI links in your production environment, please let us know by reaching out to ltisupport@bncollege.com. This way, we will know to follow up with the bookstore manager in order to help him or her inform faculty of the presence of these links in Sakai.

Upon going live, we can provide the store manager with an email template that may be used to communicate the availability of the bookstore links in Sakai. We can also provide how-to documentation for the faculty and student links.

Important Notes and Troubleshooting

An Error Has Occurred

If you see the message, “AN UNEXPECTED ERROR HAS OCCURRED. PLEASE CONTACT YOUR CAMPUS BOOKSTORE,” please enable cookies in your browser. This message may also appear if you are attempting to access the link from within a private window.

If the LTI link fails to launch, the pop-out window may be blocked. Please allow pop-ups from your Sakai site, and then attempt the link again.

Additional Error Messages

An error message may appear when the tool link is accessed. The most common errors include:

400 Bad Request

404 Page Not Found

500 Internal Server Error

403 Forbidden

406 Cookie Error

The message that appears will provide more detail as to the nature of the error, and actions to take to resolve it.

Pop Ups Blocked

If the LTI link fails to launch, the pop-out window may be blocked. Please allow pop-ups from your Sakai site, and then attempt the link again.

Contact Us

For help with other concerns relating to the LMS integration in Sakai, please contact us by email:

Email Address
ltisupport@bncollege.com