Implementing Leganto integration with LTI 1.3: perspectives from Blackboard Ultra and Canvas institutions

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Implementing Leganto integration with LTI 1.3

Perspectives from Blackboard Ultra and Canvas institutions

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Acknowledgement of Country

Bond University acknowledges the Kombumerri people, the traditional Owners and Custodians of the land on which the University now stands. We pay respect to Elders past, present and emerging.

Implementing Leganto integration with LTI 1.3:
Blackboard Ultra

Jessie Donaghey & Peta Hopkins

Digital Library Services, Bond University

Learning tools environment

Leganto and Blackboard at Bond University

- Blackboard Ultra was implemented in 2020

- Instructors, Teaching & Learning Designers and Librarians all able to create links

- Both LTI 1.1 linking and Shareable links (permalinks) to Leganto from Blackboard were supported

- LTI linking the preferred method (98% of all Leganto student events are by LTI)

- An LTI Leganto link was included in the template for all Blackboard subject sites

- Links to individual citations and sections could be added to the Blackboard subject site

Motivations for change

Why did we decide to go from LTI 1.1 to 1.3?

- Instructor experience significantly improved with LTI 1.3

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Motivations for change

Why did we decide to go from LTI 1.1 to 1.3?

- Instructor experience significantly improved with LTI 1.3

- Issue with adding multiple LTI 1.1 links within a Document in Blackboard Ultra

- Encourage LTI linking over Shareable Links

- Take advantage of newer features (Read & Respond Assignments)

- Readiness for future developments

What about existing Leganto LTI 1.1 links?

''In Blackboard Learn we automatically upgrade the links for a tool when a Learn administrator deploys the 1.3 version of the tool.''

https://docs.blackboard.com/lti/migrating/migrating-11

…with a few caveats when it comes to configuration

Getting ready

What testing did we do beforehand? How long did this take?

All testing completed in our Blackboard test environment with our Alma/Leganto production before implementing in production.

1 day spent attempting configuration:

- Creating/updating the Leganto LTI 1.3 Integration Profile in Alma
- Creating an application in the Blackboard Developer Portal
- Following the instructions on the Ex Libris Developer Network:
    - Creating new Tool Placement
    - Creating new Deep Linking Content Tool Placement for Link Selection
- Troubleshooting, troubleshooting, troubleshooting

1 day testing and tweaking configuration:

- Developed and completed a testing plan including adding LTI links in different Blackboard content types and checking for successful access after the link is created
- Migrating LTI 1.1 to 1.3 links required additional configuration (contd. on next slide)

Expect the unexpected

What unexpected issues occurred?

At the time, it wasn't documented on the Ex Libris Developer Network how to configure LTI 1.3 differently if you were already using LTI 1.1

Following the original instructions, we returned error messages each time we tried to create an LTI 1.3 link from Blackboard.

Through trial and error we found the following configuration worked:

- Adding new Tool Redirect URLs to the existing LTI Tool Placements in Blackboard
- In the Blackboard Developer Portal application ensure the Tool Redirect URL field includes:
  - Launch URL/Tool Redirect URL for the existing Placements
  - New Target Link URL

New instructions now added to the Developer Network for migrating from LTI 1.1 to 1.3:
https://developers.exlibrisgroup.com/leganto/integrations/lti-1-3/migrating-to-lti-1-3-from-1-1/

What it looks like now

Using the LTI 1.3 Link Selection Tool in Blackboard Ultra

- The two main ways that Leganto links are added to a subject site:

Link – in the subject content structure

Links embedded – in a "document" for contextual usage

What it looks like now (short demo)

Wish list
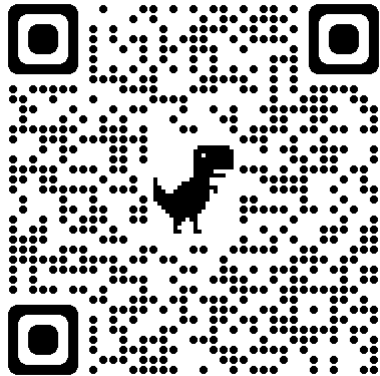
Ideas for improving the LTI 1.3 Link Selection Tool (we've shared several with Ex Libris so far)

- Ability to see more information about a citation. Book extracts can look identical (if from the same book). Being able to hover and see more information like public notes, pages, tags would help when trying to select relevant citations.

- It would help if we could have a book extract title in Leganto (if they operated more like book chapters) and have this used for the label instead.

- Ability to filter/search citations. Some lists have >100 citations which makes for a lot of scrolling to find the right link to select.

- For book chapter citations, display the chapter title instead of the book title. (fixed in May 2022 release)

- 'Mark as Done' feature unnecessary in Link Selection. (fixed in June 2022 release)

- Difficult to edit the displaying text of an LTI link once it's added to a Blackboard Ultra Document (not a Leganto problem).

Tips & documentation

Sharing any helpful screenshots and links to documentation

- Testing Checklist https://docs.google.com/document/d/1s5RjaLuL-A8-RB7SzPGcA6uZ3gFNKEBk/edit?usp=sharing&ouid=110862327474270585346&rtpof=true&sd=true

- Ex Libris Developer Network documentation:
https://developers.exlibrisgroup.com/leganto/integrations/lti-1-3/

bond.edu.au

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