Deep Embedding of Library Materials in Learning Management Systems
Silos Upon Silos

Discovery services help bring together the data in a variety of information silos (individual databases).

However, the library itself can seem to be a silo on campus, separate from where the majority of teaching and learning happens.
Silos Upon Silos

• There is a digital equivalent.
Where the Teaching and Learning Happens

- Using the library isn't terribly easy to do in the LMS.
- For example, how would you get from a search result in a database to the point where your students read the item?
How an LTI Tool Works

LMS
- Quizzes
- Links
- Folders

LTI Tool
Lives outside of the LMS

LTI Protocol
How an LTI Tool Works

Basic LTI “Launch Data”
• User’s Full Name
• User’s E-mail Address
• Role (e.g. Student, Instructor)
• Institution ID (i.e., which school)
• Course ID
• Course Name
• ID for the link clicked (i.e., which link in the course did they click?)
• Label for the link
How an LTI Tool Works

Moodle

- Quizzes
- Links
- Folders

LTI Tool

Came from Moodle at LSU? **Do A.**
Which course? **Do B.**
Is student? **Do C.**
Is faculty? **Do D.**
How an LTI Tool Works

Moodle
- Quizzes
- Links
- Folders

Curriculum Builder

Came from Moodle at LSU? **Use LSU API Content.**
Which link in the course? **Pull up that list.**
Is student? **Show readings.**
Is faculty? **Show search / tools.**
Which LMSs does it work with?

- Blackboard
- Moodle
- Desire2Learn
- Canvas
- Sakai
- Pearson eCollege
- Jenzebar
- ETUDES

Not sure?
Ask your LMS admin if they can add **LTI Tools**.

LTI Conformance List at
http://www.imsglobal.org/cc/statuschart.cfm
Live Demonstration

- Demo in Moodle
- Demo in Canvas
Getting It?

• Without EDS:
  – Learn more about the LTI Protocol
    http://www.imsglobal.org/toolsinteroperability2.cfm
  – Build that site that leverages your discovery’s API and the protocol
Getting It?

• With EDS (unhosted):
  – Download source from the customer Wiki
  – Install locally, manage updates, uptime, backups, installation

• With EDS (hosted)
  – Fee covers our technical infrastructure and support for the tool
  – Demo of setting it up in Moodle or Canvas
Other LTI-powered Ideas

• Connect right Course Research guide to class dynamically

• Annotated Bibliography Assignment

• Customizable Research Portal
Questions

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Thank You

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