Creating LTI Tool in Blackboard (including SaaS)

Infobase LEARNING CLOUD

Please note: our instructions may differ slightly from the specific Blackboard version and instance settings in use at your institution. Use these as a guide as they may not be an exact match to how Blackboard functions for you.

Create the Tool

1. Use **Basic LTI Tool** under Tools and Utilities in the System Admin. (**DO NOT** USE LTI TOOL PROVIDERS!)
2. **Register New Tool**
    a. Name
        - Type in a name (Infobase Learning Cloud LTI for example)
        - Description is optional
    b. Connection Details
        - Add Launch URL: https://platformapi.learningcloud.infobase.com/apps/lti/
        - Consumer Key provided by your Infobase team (ensure no spaces entered before/after)
        - Shared Secret provided by your Infobase team (ensure no spaces entered before/after)
        - Signature Method: choose "HMAC_SHA1" from dropdown menu
    c. Message Types
        - Check the box for "Content-item message"
    d. Services: these are more institution preference, below is the Infobase Learning Cloud recommendation
        - Outcomes – used but not required by tool, choose institution preferences for subitems.
        - Memberships – not used by tool.
        - Setting – not used by tool.
    e. Registered LTI Services
        - Check all 3 boxes.
    f. Other Settings
        - Nothing here needs to be filled or checked.
3. Click **Submit**.

Configure the Tool

4. In the **Tools list**, find the tool you just created.
5. Hover over the name of the new tool and click the down arrow, click **Edit Launch Settings** from the menu.
    a. Connect to Tool Options
        - In the Open Tool dropdown, select how you wish users to view the content:
            - ◊ **Frame** – opens most of the screen and keeps breadcrumbs along the top
            - ◊ **Frame (no breadcrumbs)** – opens most of the screen without breadcrumbs.
            - ◊ **New Window** – launches a new window for the content to be displayed
            - ◊ **iFrame** – opens the content with all menus surrounding it on the left and above
            - ◊ **Popup** – opens in a new window, without tabs
            - ◊ **Overlay** – opens and lays on top of the previous screen

   b. Custom Parameters
      - Please type in **portal=####** replacing the #### with the actual portal number provided by your Infobase team
   c. Click **Submit**.
6. Hover over the name of the new tool and click the down arrow, then in the menu click on:
   a. Enable
   b. Add as course tool
   c. Add as group tool
   d. Add as user tool
   e. Add as mashup option
7. In the **Tools List**, check the box to the far left of the screen beside the new tool.
   a. In the Content Menu dropdown (2nd column from lower left), select where you would like the tool to be available to users when building content. If you previously had our Building Block, most likely that was set to **Build Content: Mashups** and you'll want to select that option.
8. Hover over the name of the new tool and click the down arrow, click **Edit Data Settings** from the menu.
   a. Context Data
      - All should be checked and value to use for context ID set to **Database key**
   b. Personal Data
      - **User ID** – required by tool
      - **Value to use for user ID** – Database key
      - **Sourcedid** – check this box
      - **Username** – required by tool
      - **Email** – required by tool
      - **User Avatar** – not needed for Infobase Learning Cloud
      - **User Roles** – check this box
         - ◊ Send institution role names? - Yes
         - ◊ Send course role names? - Yes
         - ◊ Send observer roles? - Yes
   c. Course Role Mappings
      - Verify Roles are set as your institution allows.
      - Check **Send administrator role**.
      - If you allow for guest access, check that box.
   d. Click **Submit**.

The new LTI Tool should now be ready to use. Please try pulling content into a test course and **enjoy!**