

Connecting OBF LTI 1.3 tool to Canvas LMS

Step 1: Create new LTI 1.3 Developer Key

Log in to OBF and go to Admin Tools > LTI. Choose **Version**: 1.3 and **LMS**: Canvas. In this page you can see configuration values you need to connect the tool to Canvas.

1. In Canvas, click Admin -> Developer Keys and click "+ Developer Key".
2. Select "+ LTI Key" option.
3. Choose **Method**: Manual Entry
4. Choose **JWK Method**: Public JWK URL
5. Input descriptive values to following fields:
 - a. Key Name (e.g. "OBF LTI 1.3 Key")
 - b. Owner Email (e.g. your admin email)
 - c. Title (e.g. "Open Badge Factory")
 - d. Description
6. From OBF, copy following values to Canvas settings form:
 - a. Tool Launch URL / Redirect URL => Redirect URIs
 - b. Tool Launch URL / Redirect URL => Target Link URI
 - c. Tool OIDC Login Initiation URL => OpenID Connect Initiation Url
 - d. Public keyset URL => Public JWK URL
7. Under "LTI Advantage Services", enable "Can retrieve user data associated with the context the tool is installed in."
8. Under "Additional Settings", set Privacy Level: Public.
9. Under "Placements", enable "Link Selection" and/or "Course Navigation".
10. Click "Save"
11. Change key state: On

Step 2: Create Tool Deployment

1. Copy the Client ID created in the previous step, under "Details" column.
2. Go to Admin > Settings > Apps > + App.
3. Choose **Configuration Type**: By Client ID.
4. Paste the Developer Key Client ID.
5. Click "Submit" and "Install"
6. Find the OBF tool, click the gear icon and click "Deployment Id"
7. Take note of the Deployment ID for later use

Step 3: Create new API Developer Key

1. In Canvas, click Admin -> Developer Keys and click "+ Developer Key".
2. Select "+ API Key" option.
3. Input descriptive values to following fields:
 - a. Key Name (e.g. "OBF API Key")
 - b. Owner Email (e.g. your admin email)
4. From OBF, copy value: API key redirect URI => Redirect URIs
5. You can optionally switch on "Enforce Scopes":
 - a. Enable "Allow include Parameters".
 - b. Under "Courses", allow "url:GET|/api/v1/courses/:course_id/users"
6. Click "Save"
7. Change key state: On

Step 4: Add Tool Deployment to Factory

1. In OBF, input the following values to the LTI settings form:
 - a. Canvas base URL => your Canvas installation url
 - b. Client ID => LTI Developer Key id created in step 1.
 - c. Deployment ID => Deployment ID created in step 2.
 - d. Developer key ID => API Developer Key id created in step 3.
 - e. Developer key => API Developer Key created in step 3.
2. Click "Add"

Step 5: Add LTI Link to Courses

1. Go to a Course, click the "Modules" link in the Course Navigation.
2. In the Module, click the + button.
3. In the item type drop-down menu, select External Tool.
4. Find the OBF external tool and review the settings.
5. Click "Add Item".

The Factory LTI tool will be automatically visible in the Course navigation panel if you selected "Course Navigation" placement when creating the Developer Key.