

PeopleFluent Learning

LTI Tool Integration Guide

Contents

About this Document.....	3
LTI Tool Setup in PeopleFluent Learning	4
Configuring a Course to Use an LTI Tool.....	8
LTI Tool Code in the Data Loader and Reports	9
Legal Notice	10

About this Document

Introduction

Learning Tools Interoperability (LTI) is one of the critical interoperability standards needed to integrate multiple campus systems so that institutions can create a coherent technology ecosystem (shared environments) with products from several different vendors. PeopleFluent Learning can integrate with LTI tools via the Rustici Engine. This guide explains how to set up the integration.



On-premise customers will need to be provided with the URLs for the PeopleFluent-hosted Rustici Engine to use this feature.

Document Information

This section lists any changes or updates that occur following initial publication.

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LTI Tool Setup in PeopleFluent Learning

Introduction

LTI (Learning Tools Interoperability) is a standard that allows different educational technology Tools and Platforms to integrate seamlessly. It enables learning management systems like PeopleFluent Learning to connect with external tools—such as quizzes, simulations, or e-textbooks—without requiring users to log in separately or manage multiple accounts.

PeopleFluent Learning serves as an LTI platform allowing connection to LTI tools. The connection is handled by Rustici Engine (using the OAuth standard). PFL talks to Engine and Engine talks to the LTI tool.



Related Permissions

Permission to access, create and edit LTI Tool setups are based on the **Catalog Manager** permission.

- Users who have **Unrestricted** access within the Catalog Manager role can create and edit LTI tools and view the tool details.
- Users who have **Read Only** access within the Catalog Manager role can only view the LTI details.
- Users who have **No Access** within the Catalog Manager role are not able to access the LTI Tool Setup screen.



Please note that some set up is required from PeopleFluent Hosting Operations. Rustici Engine is used to process.

Create a New LTI Tool Setup

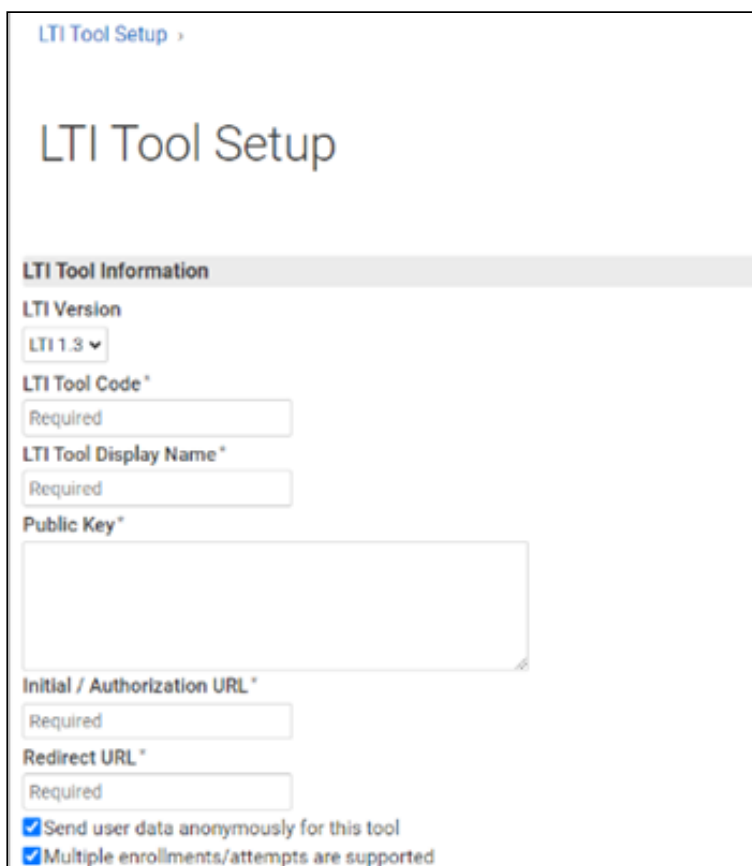
1. Navigate to **Learning > Catalog General Settings > LTI Tool Setup**.



The screenshot shows the 'LTI Tool Setup' page with a table of existing tools. A '+ Create new' button is visible in the top right corner of the table area.

NAME	TYPE
Awareways	LTI 1.3
Pearson	LTI 1.3
Harvard Business Publishing	LTI 1.3

2. Click **Create New**. The **LTI Tool Setup** screen displays.



The screenshot shows the 'LTI Tool Setup' form with the following fields and options:

- LTI Version**: A dropdown menu with 'LTI 1.3' selected.
- LTI Tool Code ***: A text input field with 'Required' placeholder text.
- LTI Tool Display Name ***: A text input field with 'Required' placeholder text.
- Public Key ***: A large text area for entering the public key.
- Initial / Authorization URL ***: A text input field with 'Required' placeholder text.
- Redirect URL ***: A text input field with 'Required' placeholder text.
- Send user data anonymously for this tool
- Multiple enrollments/attempts are supported

3. Configure the fields:

- **LTI Version** - The only option will be LTI 1.3 (included for future expansion).
- **LTI Tool Code** - This is a customer-entered field that will be used in the Course Data Loader to designate the tool for a course. The Code must be unique in the system.
- **LTI Tool Display Name** - This is the name of the LTI Tool being set up. The Display Name must be unique in the system.
- **Public Key** - This will be the public key necessary to support OIDC/OAuth, obtained from the LTI Tool provider. This needs to include the ----- BEGIN KEY ----- and ----- END KEY ----- lines, as well as the line breaks that are part of the key.

- **Initial / Authorization URL** - This initial URL of the LTI Tool platform used to login or connect, which must be HTTPS.
- **Redirect URL** - This is where the LTI Tool provider will redirect after authorization, obtained from the LTI Tool provider.
- Checkbox to **send user data anonymously**.
- Checkbox to **allow multiple enrollments/attempts**.

4. You will notice that there are read-only fields in the Additional Information section of the screen. This is information that will need to be passed to the LTI 1.3 tool provider to complete the set up.

Additional Information

Issuer:	(not specified)
Client ID:	(not specified)
Deployment ID:	(not specified)
OIDC Authorization URL:	(not specified)
Platform JWKS Endpoint:	(not specified)
Access Token URL:	(not specified)

Save
Cancel
Permissions

- **Issuer** - The value of the required LtiPlatformIssuer configuration setting.
- **Client Id** - The OAuth Client Id
- **Deployment Id** - An identifier for the integration between the provider and the tool. Identical to the connectorId.
- **OIDC Authorization URL** - The endpoint where the tool should send the OIDC Authorization Request
- **JWKS Endpoint** - A link to access Engine’s JSON Web Key Set.
- **Access Token URL** - The endpoint the tool should use to retrieve an OAuth 2.0 access token that it will use to access the Engine’s Assignment and Grade Services endpoints.


5. Click **Permissions** to grant permissions for the LTI Tool Setup. This sets the permissions for who can select the tool in Define Launch Properties.

6. Click **Save**.

Edit an LTI Tool Setup

1. Navigate to **Learning > Catalog General Settings > LTI Tool Setup**.
2. Click the **NAME** of the setup you would like to edit.
3. Make updates as necessary.
4. Click **Save**.

Delete an LTI Tool Setup

1. Navigate to **Learning > Catalog General Settings > LTI Tool Setup**.
2. Click the gear icon  for the setup you would like to delete.
3. Click **Delete**.

Configuring a Course to Use an LTI Tool

An LTI Tool is configured for a course within the Learning Module Launch Properties.

The LTI tool is selected on the **Define Launch Properties** screen when configuring a course in the Catalog Editor. A new LTI Tool option is available in the **Web Interface** drop-down field.

Web Interface

By default, learning modules are launched using a generic HTML initialization. If AICC Tracking is enabled, extra parameter information may be exchanged with the learning module. This option is only meaningful if your learning module supports AICC data exchange and the course requires enrollment (e.g., no Direct Catalog Launch).

Launch interface: LTI Tool ▾

Allow direct launch (NOTE: Direct Launch bypasses any enrollment processing and does not produce any transcripts/records for the user; this should be disabled for AICC, SCORM or NETg cookie-based tracking.):

Show browser toolbar in launch window

When the LTI Tool option is selected, the Address section will contain fields that allow the user to select a pre-configured LTI Tool and enter the launch URL. Some providers require additional query parameters to be included when launching a course. These should be entered in the optional parameters field.

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Users can only select LTI Tools to which they have Read-Only or Unlimited access.

This is the Web address (URL) of the resource.

The Web address is the URL invoked when a user launches this resource. You may use the Select button to choose the resource launch file from the file repository. Alternatively, you may enter any valid Web address with or without parameters. For example, an absolute URL such as "http://mysite.com/page1.htm" for resources that are launched remotely from a separate content Web server; or, a relative URL such as "/ekp/nd/fresco/courses/page1.html?UID=anna" for resources that are hosted on the same Web server as PeopleFluent LMS.

Web Address or Embedded Content Select

LTI Tool: Expert College ▾

Optional Properties

Not all resources support all of the properties below. Consult your courseware vendor's documentation for details of which properties are supported.

Parameters:

For additional information about configuring courses and defining launch properties, please see the **Catalog Administration Guide**.

LTI Tool Code in the Data Loader and Reports

Course CSV Data Loader

The Launch.Interface field xx

A column is included in to import the LTI Tool Code; *Launch.LTIToolCode*. In order to import successfully, the LTI Tool Code must match a tool that has already been configured in the application. The user performing the import must have ReadOnly or Unlimited Permission for the tool represented by the code.

R246 and R247 Reports

These reports are output in the same format as the Course CSV Data Loader and therefore contain the *Launch.LTIToolCode* field.

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