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Anslut en LTI 1.3-leverantör i Learnifier

Gabriella Eriksson - 2025-02-23 - [API, SAML, integrationer och allmänna inställningar](#)

LTI (Learning Tools Interoperability) är en standard som möjliggör sömlös integration mellan lärandeplattformar och externa verktyg eller innehållsleverantörer. Den tillåter säkert utbyte av data, såsom användarinformation och kursinnehåll, mellan olika system. LTI 1.3 förbättrar tidigare versioner genom att erbjuda förbättrade säkerhetsfunktioner* för säker kommunikation.

Denna integration gör det enklare att sömlöst integrera interaktiva komponenter från dina favoritverktyg i dina kurser i Learnifier, vilket berikar hur elever engagerar sig med innehållet.

Konfiguration: Steg-för-steg-guide

Obs: Stegen och inställningarna kan variera något beroende på vilken LTI-leverantör du använder.

Förutsättningar:

1. Ett konto hos en LTI-leverantör.
2. LTI 1.3-integration aktiverad i din Learnifier-portal.
3. Två flikar öppna: en med din Learnifier-portal och en med din LTI-leverantör (t.ex., H5P).

På din LTI-leverantörsflik (t.ex., H5P):

1. Gå till "Connect LMS"
2. Gå till "Add LMS Connection".
3. Välj "Other" under "connection options" och spara.

Manage Content Manage Organization Gabriella Eriksson Add Content

Upload Logo Add LMS Connection

Manage Organization

- Users
- Archived Users
- Organization Details
- About the roles
- Connect LMS**
- Settings
- Rans and Billing

Connect LMS

When your LMS supports external learning tools via LTI you can create a connection with H5P.com to make it simple and easy to create and insert content that supports returning grades to your LMS.

Important Info
When registering H5P.com:

- For LTI v1.1
 - Use the following
 - Copy and paste the URL
 - Configure the LMS
- For LTI v1.3
 - Use the following
 - Use the following
 - Once you've made the connection

Add LMS Connection

Select your LMS

-
- Canvas
- Blackboard
- Brightspace
- Moodle
- Other**

Learnifier Demo.se (LTI connection)

Public key	https://learner-livedemo.h5p.com/lti/jwks/1292381810376004557.json <input type="button" value="Copy to clipboard"/>
Status	Enabled
Last Updated	2024-09-19 09:26:11
LTI version	LTI v1.3
Client ID	B85a70e7-f02a-4638-a2ed-3a8aff924bd0

På din Learnifier-flik:

1. Gå till "Inställningar" och välj "API".

Dashboard Projects Users Library Reports Automations Settings **API** Go To Demo

API Endpoints
The API endpoint is: <https://demo.learnifier.se/api/v1/>
The API orgunit endpoint is: <https://demo.learnifier.se/api/v1/orgunits/898>

API Keys

Key	Name	Delete	Show
H3Luoyl2OFuJIDnZMxA5		<input type="button" value="Delete"/>	<input type="button" value="Show"/>

Teamtailor integration
Activated: 8/22/24, 4:30 PM, by: Diana Plantin

Sitevision integration
Not active

LTI 1.3 Learning Tools Interoperability 1.3 by 1EdTech
Registered Tools: 2, including active: 2

1. **LTI**, status: active
Registered: 9/19/24, 11:15 AM, by: Gabriella Eriksson

2. **H5P**, status: active
Registered: 9/19/24, 11:24 AM, by: Gabriella Demo

1. Under "Learning Tools Interoperability (LTI) 1.3", klicka på "Registrera nytt verktyg".

The screenshot shows the Learnifier interface with the 'API Keys' section selected. A context menu is open over the 'Tool config' button for the 'H5P' entry. The menu items are 'Branding', 'API', and 'Groups'. An orange arrow points from the 'Tool config' button to the 'Register new Tool' button.

Key	Name	Actions
H3Luoyl2OFuJIDnZMxA5		<button>Delete</button> <button>Show</button>

API Keys

- Teamtailor integration** Activated: 8/22/24, 4:30 PM, by: Diana Plantin Deactivate Take ownership
- Sitevision integration** Not active Activate
- LTI 1.3** Learning Tools Interoperability 1.3 by 1EdTech Registered Tools: 2, including active: 2
 - LTI**, status: active Registered: 9/19/24, 11:15 AM, by: Gabriella Eriksson Platform config Tool config Deactivate
 - H5P**, status: active Registered: 9/19/24, 11:24 AM, by: Gabriella Demo Platform config Tool config Deactivate

1. Välj ett namn och lägg till informationen från LTI-leverantören (t.ex., H5P), inklusive:

- o Login URL
- o Redirect URL
- o JSON Web Key Set URL

The screenshot shows the 'H5P : Tool config' modal window. It contains fields for 'Tool name' (set to 'H5P'), 'Login URL' (set to 'https://learnifier-livedemo.h5p.com/lti/login'), 'Launch URL' (set to 'https://learnifier-livedemo.h5p.com/lti/launch'), 'JSON Web Key Set URL' (set to 'https://learnifier-livedemo.h5p.com/lti/jwks/1292381810'), and 'Signing algorithm' (set to 'RS256'). At the bottom are 'Cancel' and 'Update Tool' buttons.

Manage Organization

Connect LMS

When your LMS supports external learning tools via LTI you can create a connection with H5P.com to make it simple and easy to create and insert content that supports returning grades to your LMS.

Important Info

When registering H5P.com as an external tool inside your LMS you have to remember:

For LTI v1.1

- Use the following URL endpoint: <https://learnerifier-livedemo.h5p.com/lti>
- Copy and paste the key & secret from the connection details in the list below
- Configure the LMS to send User ID, Role & Email for the connection

For LTI v1.3

- Use the following Login URL: <https://learnerifier-livedemo.h5p.com/lti/login>
- Use the following Redirect URL: <https://learnerifier-livedemo.h5p.com/lti/launch>
- Once you've made a LMS connection, add the extra data from your platform to the connection

Learnerifier Demo.se (LTI connection)	
Public key	https://learnerifier-livedemo.h5p.com/lti/wks/1292381810376004557.json <input type="button" value="Copy to clipboard"/>
Status	Enabled
Last Updated	2024-09-19 09:26:11
LTI version	LTI v1.3
Client ID	885a70e7-f02a-4638-a2ed-3a8aff924bd0
<input type="button" value="Connection settings"/> <input type="button" value="Regenerate keys"/>	

1. Klicka på "Registrera verktyg".
2. Öppna "Plattformskonfiguration" och lämna denna information på skärmen för användning i nästa steg.

H5P : Platform config

Issuer: <https://learnerifier.com>

The Platform authentication flow issuer.

Client ID: 885a70e7-f02a-4638-a2ed-3a8aff924bd0

The Platform authentication Client ID of the Tool.

OAuth2 login URL: <https://service.learnifier.se/integration/lti/v1p3/C61>

The Platform OAuth2 login endpoint URL for the Tool. May be referenced by the Tool as Token URL.

OpenID Connect login URL: <https://service.learnifier.se/integration/lti/v1p3/C61>

The Platform OpenID Connect login endpoint URL for the Tool. May be references by the Tool as Login URL.

JSON Web Key Set URL: <https://service.learnifier.se/integration/lti/v1p3/C61>

The Platform signing keys endpoint URL for the Tool. May be referenced by the Tool as Key Set URL.

Signing algorithm: RS256

The Platform signing algorithm for the Tool.

Deployment ID: b867462b-59be-444b-8020-8c360ebdd511

The Platform deployment ID of the Tool.

Buttons: Delete, Show, Activate, Deactivate, Take ownership, Register new Tool, Platform config, Tool config, OK, Cancel.

Tillbaka till din LTI-leverantörsflik (H5P):

1. Gå till sidan "Connection Settings".
2. Lägg till informationen från "Plattformskonfiguration" i Learnifier till lämpliga fält (för fältet märkt "Deployment ID" i Learnifier: du får detta i nästa steg).

1. **Viktigt:** Följ noggrant instruktionerna i Learnifier för varje fält.

The screenshot shows the 'Manage Organization' interface with the 'Connect LMS' tab selected. A modal window titled 'Add registration data' is displayed, asking for registration details. The 'Client ID' field contains '885a70e7-f02a-4638-a2ed-3a8aff924bd0'. The 'Issuer' field contains 'https://learnifier.com'. The 'Login URL' field contains 'https://service.learnifier.se/integration/lti/v1p3/C61EA73CBF19D1EA/oidc/to'. The 'Token URL' field contains 'https://service.learnifier.se/integration/lti/v1p3/C61EA73CBF19D1EA/oauth/l'. The 'Key Set URL' field contains 'https://service.learnifier.se/integration/lti/v1p3/C61EA73CBF19D1EA/jwks/B'. The 'Audience' field is empty. The 'Private key (optional)' field is empty. At the bottom of the modal, there are two checkboxes: 'Always update the user's name with the one provided by this LMS' and 'Always update the user's e-mail address with the one provided by this LMS', neither of which is checked.

1. Lämna de återstående fälten tomta och tryck på "Spara".
2. Gå till "New Deployment" och lägg till "Deployment ID" från Learnifier.
3. Spara, och du är klar!

The screenshot shows the 'Manage Organization' interface with the 'Connect LMS' tab selected. A modal window titled 'Add registration data' is displayed, showing the 'Deployment ID' field filled with 'b867462b-59be-444b-8020-8c360ebdd511'. An orange arrow points from the 'New deployment' button on the main page to the 'Deployment ID' input field in the modal.

När anslutningen är klar kan du integrera och hantera interaktiva komponenter från din LTI-leverantör inom Learnifier.

För specifika instruktioner, se leverantörens hjälpdokumentation.

**Till exempel OAuth 2.0 för autentisering och JSON Web Tokens (JWT).

Hur du hämtar en LTI 1.3-resurs från din anslutna verktygsleverantör

<https://support.learnifier.com/kb/articles/140-lti-13-resource>