

# Install LMS Bridge in Brightspace (D2L)

Learning Mastery Support · free & open-source LTI 1.3 / Advantage tool · lmsbridge.app

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You need **LMS-admin** access. Replace `YOUR-HOST` with your LMS Bridge address. These URLs (also at `/api/v1/lti/config` and the admin **LMS (LTI)** tab) are what the LMS needs:

<b>OIDC login URL</b>	<code>https://YOUR-HOST/api/v1/lti/login</code>
<b>Launch / Target Link URI</b>	<code>https://YOUR-HOST/api/v1/lti/launch</code>
<b>Redirect URI</b>	<code>https://YOUR-HOST/api/v1/lti/launch</code>
<b>Public keyset (JWKS) URL</b>	<code>https://YOUR-HOST/api/v1/lti/jwks</code>
<b>Dynamic Registration URL</b>	<code>https://YOUR-HOST/api/v1/lti/register</code>

## 1) Register (Admin gear → Manage Extensibility → LTI Advantage)

- 1 Register Tool** → **Dynamic**: paste `https://YOUR-HOST/api/v1/lti/register`, keep **Configure Deployment**, click **Register** (opens a new tab) → then **enable** the registration (disabled by default).
- 2** Copy the platform block (Issuer = your tenant host; Client Id; OpenId Connect Auth Endpoint; OAuth2 Access Token URL; Brightspace Keyset URL) into LMS Bridge.  
**Standard (manual) alt**: Domain = YOUR-HOST; Redirect = /launch; OIDC Login URL = /login; Target Link URI = /launch; Keyset URL = /jwks; enable **Assignment & Grade Services + Names & Role Provisioning**.

## 2) Deploy (Admin gear → External Learning Tools → LTI Advantage)

- 1 New Deployment** → Tool = your registration; tick **AGS + NRPS**; Security: send Name/Email/User ID + Org Unit Info.
- 2 Add Org Units** (and descendants) the tool should appear in → **Create Deployment**; copy the **Deployment Id** into LMS Bridge.
- 3** On the deployment → **View Links** → **New Link** → URL = /launch → **Save and Close**.

Requires the **Manage LTI Tools** permission. Registration lives under *Manage Extensibility*; deployment under *External Learning Tools*.

## Instructor places it

Course → **Content** → **Add Existing** → **External Learning Tools** → select the LMS Bridge link (or Insert Stuff / a Quicklink).

After any launch, LMS Bridge auto-provisions the user, course, and role (no extra password). Free & open-source under AGPL-3.0. UI labels verified against current vendor docs (2025–2026); confirm against your LMS version. Full guide: docs/INSTALL\_LTI.md.