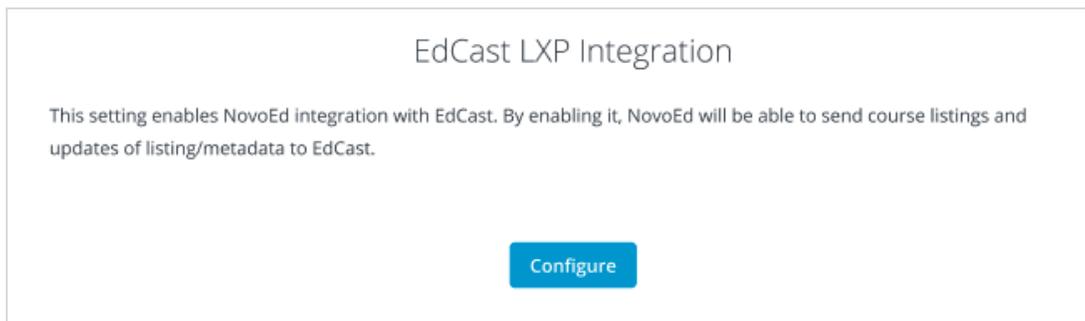# EdCast Integration Guide

Implementation

The overall process to set up and configure the NovoEd EdCast integration is as follows:

1. Submit a request to NovoEd support or your CSM to enable the EdCast integration for your NovoEd institution
2. Configure your EdCast instance for integration
3. Enter your EdCast instance & API details in NovoEd

Submit a request to NovoEd to enable the integration

Submit a ticket to NovoEd's help desk or reach out to your Customer Success Manager and ask for the EdCast integration to be enabled for your institution.

You can verify the integration has been enabled by logging in to NovoEd as an Org Admin and navigating to the Advanced Settings page. The "Configure" button in the EdCast LXP Integration section will be enabled.

Setup in EdCast

Follow the steps outlined below *(supplement to the [EdCast documentation](#))* to configure your Edcast instance for integration.

Part 1 - Create an LMS Connector Source

1. Log in to the EdCast Admin Console. Navigate to Content > LMS Integrations.
2. From the LMS Integrations page, click the green + button within "Lms Api Integration"
3. Create the LMS Connector Source
   a. Set a Display Name for the source (*e.g.,* "NovoEd").
      This is shown to learners in EdCast, see note 1 below.
   b. LMS Provider = Other
   c. Host = Per EdCast documentation: "the host field is not used, but is mandatory. Enter any dummy value."
   d. Choose a user as the assignor. You can create a new user or use an existing user. This user will be shown to learners in EdCast, see note 2 on the following page.
   e. "Allow Mark As Complete" - NovoEd will automatically push completions to EdCast, so it is recommended that this not be used (set to "OFF").

Note 1: The integration name is displayed to learners in EdCast in the "Content Source filter" when searching for content.
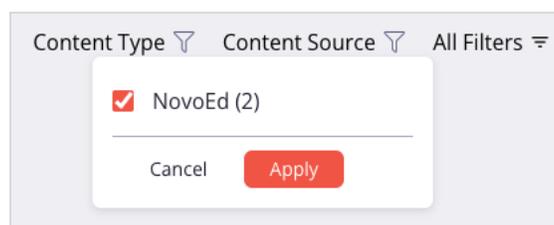
Note 2: The user configured in the LMS Connector is displayed to learners in EdCast when the SmartCard is assigned.

Part 2 - Create an OAuth2 App

Follow the steps outlined below to set up an OAuth2 App for NovoEd.

1. In the EdCast Admin Console, navigate to Integrations > OAuth2 Apps
2. From the OAuth2 Credentials page, click the "Create" button.
    a. Set a name for the OAuth2 app (e.g., "NovoEd OAuth2 App")
    b. From the list of sources, choose the source created in part 1.
3. Take note of the OAuth2 Client Id and Client Secret generated by EdCast. You will enter these in NovoEd.

Part 3 - Create Developer API Credentials

Follow the steps outlined below to create Developer API Credentials for NovoEd.

1. In the EdCast Admin Console, navigate to Settings > API Credentials.
2. Within the "Developer API" tab, click the "GENERATE" button.
    a. Take note of the API Key and Secret. You will enter these in NovoEd.
3. **The NovoEd integration requires a user assigned to a role with Developer permissions.**
    a. You can create a user specifically for this integration or reuse an existing user. This user will be shown to learners in EdCast, see note below.

Note: The Developer API user will be displayed in the Notifications when the SmartCard is shared with the learner *(only applicable to Closed Enrollment courses)*.
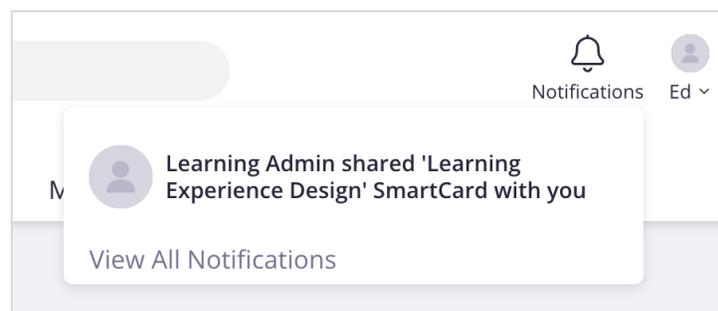
Setup in NovoEd

Request the integration be enabled for your NovoEd Institution

If you haven't already, reach out to NovoEd support or your CSM and request that the EdCast integration be enabled for your institution.

Provide EdCast API credentials, users, and instance information

After the integration is enabled for your institution:
1. Log in to NovoEd as an Org Admin.
2. Navigate to Advanced Settings (Admin Tools > Advanced Settings).
3. Scroll to "EdCast LXP Integration". Click "Configure".

This will launch the EdCast LXP Integration configuration modal.

	Once credentials are saved in NovoEd, they cannot be modified.
!	Review what you have configured in EdCast <u>before</u> entering in NovoEd.
IMPORTANT	1. Check the LMS Connector Source name
	2. Check the user you have set as the assignor
	3. Verify you have the right set of OAuth2 Credentials
	4. Verify you have the right set of Developer API Credentials
	5. Ensure you have a user with Developer permissions

Enter OAuth2 Credentials

1. Enter the Client Id and Client Secret created in *Setup in EdCast Part 2*
2. Enter your EdCast LMS Host – this will be one of the following (if unsure, ask EdCast to clarify which applies to your instance):
   - https://lms.edcast.io
   - https://lms-europe.edcast.io
   - https://lms-app-us-prod3.edcast.com
   - https://aws-eu-central1-lms-integration.edcastpreview.com

Enter Developer API Credentials

3. Enter your API Key and Secret created in *Setup in EdCastPart 3*
4. Enter the email address of the user created in *Setup in EdCastPart 3*
5. Enter the path to your EdCast instance.
   - For example: *https://customer-instance.edcast.com*

You will see a success message appear atop the page when integration setup is successful.

What happens now that I've enabled the integration?
- Active, production courses will start syncing in the background.

What else should I know?
- Disabling the integration will stop synchronization. No data sent to EdCast will be deleted.

Functional Overview

NovoEd's EdCast integration features 3 main integration points:

1   NovoEd courses are synced to EdCast as SmartCards

2   As learners are enrolled to courses in NovoEd, these enrollments will appear as assignments in EdCast

3   NovoEd will automatically keep EdCast up-to-date as learners complete courses

The integration is unidirectional: data flows from NovoEd to EdCast.

-    NovoEd will push course and enrollment information to EdCast as it is created or updated. It may take several minutes to be reflected in EdCast.

-    Note that you are not prevented from overwriting certain SmartCard or assignment attributes in EdCast; however, this is not recommended and your changes may be overwritten by the integration.

Course/Journey Sync

NovoEd Courses and Learning Journeys are synced to EdCast as SmartCards.

1. Only *active production* courses are synced.
    a. Demo/Primary course are not synced. Programs are not synced.
    b. A course is considered active if it is released (release date has passed) and not closed (closure date not yet reached).

2. NovoEd sets values for the following EdCast SmartCard attributes, many of which are defined by a Course Builder in Course Basics or within the Course Flyer –

EdCast SmartCard	NovoEd Course	Notes
name	course title	
url	course flyer url	
prices_data[]		Price is not part of NovoEd's data model. An empty array is sent to EdCast.
content_type		Set to "course"
duration_sec	course duration	
image_url	cover picture	
description	course description	The description of the course as defined in the flyer
expiration_date	closure date	
is_private		Set to "true" for closed enrollment
status		Set to "archived" when course close date is reached

3. NovoEd will update the corresponding SmartCard when values change.
    a. Note that changes to dates or enrollment type (e.g., Open Enrollment to Closed Enrollment), dates, or course type (e.g., switching a Production course to Demo) may change the SmartCard's visibility in EdCast.
    b. When the course closure date is reached, the SmartCart's status will automatically change to "archived".

4. The datetime the course was last synced to EdCast will be displayed at the bottom of course basics.
   a. If you do not see the "EdCast Integration" section, the course has not yet synced or is in a state where it will not be synced.
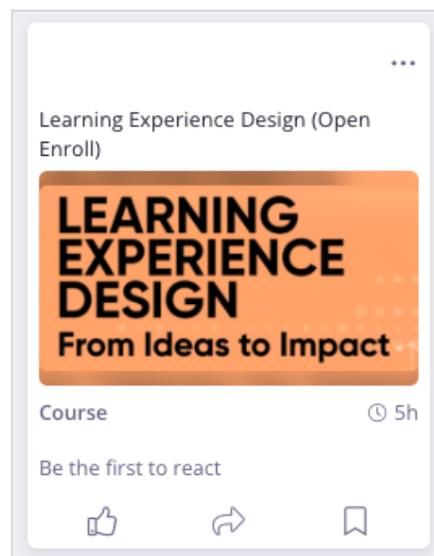
EdCast Integration | Last Synced to EdCast
Jun 27, 2023 4:56 PM

5. When a course's closure date has passed, the SmartCard will be archived. It will no longer be accessible to learners in EdCast.

Example   *A SmartCard for a NovoEd course*

Enrollments Sync

Learner enrollments created in NovoEd will establish *assignments* for the respective SmartCard in Edcast.

NovoEd will create assignments for learners enrolled to courses provided the course has been synced to EdCast (i.e., is active/production, see Course Sync section for details).

- Enrollments for course admins or mentors are not synced.
- Enrollments are created based on the learner's email address in NovoEd
- Enrollments can be established through the NovoEd administrative UI, bulk import, or API
- Learners can self-enroll to Open Enrollment courses, these enrollments are also synced to EdCast as assignments.

When enrolled in a course, the corresponding SmartCard will appear in the learner's Learning Queue in EdCast under the "Assigned" tab.

Enrollment Attributes	
Due Date	Corresponds to the course closure date or, if self-paced, the date the learner's access to the course is set to expire.
Assigned Date	The date the learner was enrolled in the course
Status	Set to "assigned" upon enrollment. Set to "withdraw" if unenrolled. Set to "completed" when the learner has completed the course *(see Completion Sync section for more details)*

Open Enrollment Courses

Open Enrollment courses are created as public SmartCards.

- With Open Enrollment courses, learners are able to search for and access courses within EdCast.
- The EdCast SmartCard links to the NovoEd Course Flyer, where learners will have the option to enroll (if not yet enrolled) or enter the course (if already enrolled).

Closed Enrollment Courses

Closed Enrollment courses are created as private SmartCards.

- Closed Enrollment courses cannot be accessed by learners unless they are enrolled. Consequently, these SmartCards are not discoverable by learners in EdCast unless they are first enrolled in NovoEd.
- As learners are enrolled in Closed Enrollment courses, the SmartCard is assigned *and* shared to the learner in EdCast.

Unenrollment

When a learner is unenrolled from a course, the assignment is withdrawn (its status is updated to "withdraw").

- If closed enrollment, the SmartCard will no longer be shared with the unenrolled learner and they will no longer be able to search for or view the SmartCard contents.
- Re-enrolling will, in effect, act as a regular enrollment.

Example	*A learner is enrolled in a Closed Enrollment course in NovoEd.* *The course is assigned and shared to the learner in EdCast.*

| Example | A SmartCard for Closed Enrollment course after a learner is enrolled. |

1	The course title
2	The date the SmartCard was first synced from NovoEd to EdCast
3	"Admin User" is the first and last name of the user selected when configuring the LMS Connector. The date corresponds to the enrollment date in NovoEd.
4	The due date is the course closure date or content access end date (if self-paced course)
5	Course cover picture (also serves as a link to the course)
6	Course description as defined in the course flyer
7	"Open Content" is a link to the course flyer
8	Course duration (if defined in course basics)
9	"Private" if course is Closed Enrollment

Completion Sync

To sync completion data to EdCast, NovoEd will update the relevant learner assignment in EdCast.

This is done when:
1. The learner has met the [automatic course completion criteria](#)
2. The learner has been granted [manual completion](#) of the course

Completion in NovoEd will update the corresponding assignment in EdCast.
- The *assignment status* will be updated to "completed" and the *assigned date* will be set to the date the learner completed the course.
- Courses completed prior to the closure date will appear in the Learning History section of the EdCast Learning Queue.

Reverting Course Completion

It is possible to revert a completion (by revoking manual completion, altering the completion criteria for the course, etc).
- This will set the assignment back to "assigned" in EdCast.
- When the learner completes the course, the assignment will be set to "completed" with the updated completion date.

Example *Learning History in EdCast featuring a completed NovoEd Course*

Appendix

Flows

Open Enrollment Courses

Learner can discover and self assign or is assigned SmartCard (e.g., by manager) in EdCast.

Create course as SmartCard

User accesses course from EdCast

Note: The card is published in EdCast and learners can access the content without first having an assignment.

User lands on course flyer and enrolls in NovoEd course

Create assignment in EdCast

User completes NovoEd course

Mark assignment as complete

Set SmartCard status to "archived"

Course closure date passes

Closed Enrollment Courses

Create course as **private** SmartCard

Course Admin enrolls user
in course in NovoEd

John Farrell shared 'jfedcastclosed-28mar1'
SmartCard with you

Course will be visible to user at this point via
notification.

Share SmartCard with enrolled users

Course is now displayed on user's learning
plan.

Create assignments for enrolled users

User accesses course from EdCast

User completes NovoEd course

Mark assignment as completed

Set SmartCard status to "archived"

Course closure date passes