

# Oracle Fusion Cloud Talent Management

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**How do I integrate other content providers with Oracle Learning**



Oracle Fusion Cloud Talent Management  
How do I integrate other content providers with Oracle Learning

G19542-04

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# Get Help

There are a number of ways to learn more about your product and interact with Oracle and other users.

## Get Help in the Applications

Some application pages have help icons  to give you access to contextual help. If you don't see any help icons on your page, click your user image or name in the global header and select Show Help Icons. If the page has contextual help, help icons will appear.

## Get Support

You can get support at [My Oracle Support](#). For accessible support, visit [Oracle Accessibility Learning and Support](#).

## Get Training

Increase your knowledge of Oracle Cloud by taking courses at [Oracle University](#).

## Join Our Community

Use [Cloud Customer Connect](#) to get information from industry experts at Oracle and in the partner community. You can join forums to connect with other customers, post questions, suggest [ideas](#) for product enhancements, and watch events.

## Learn About Accessibility

For information about Oracle's commitment to accessibility, visit the [Oracle Accessibility Program](#). Videos included in this guide are provided as a media alternative for text-based topics also available in this guide.

## Share Your Feedback

We welcome your feedback about Oracle Applications user assistance. If you need clarification, find an error, or just want to tell us what you found helpful, we'd like to hear from you.

You can email your feedback to [oracle\\_fusion\\_applications\\_help\\_ww\\_grp@oracle.com](mailto:oracle_fusion_applications_help_ww_grp@oracle.com).

Thanks for helping us improve our user assistance!



# 1 Getting Started

## External Content Integration with Oracle Learning Catalog

For information about integrating external content providers with Oracle Learning, see the *How do I integrate other content providers with Oracle Learning* playbook.





## 2 AICC-Based External Content

### Set Up the LinkedIn App for Oracle Learning Integration

To integrate LinkedIn Learning with Oracle Learning, you need to set up the LinkedIn learning app to generate Client ID and Client Secret keys.

Complete these steps in the LinkedIn Learning Admin portal using this help: [LinkedIn Learning and Oracle Learning Cloud Deep Integration Guide](#).

1. Enable AICC integration by completing the steps in the AICC Configuration Steps section. This step ensures that learners won't get error messages when they launch a LinkedIn course.
2. Generate API keys by completing the steps in the Provision API Keys for Content Catalog Sync section.

**What to do next**

[Configure External AICC-Based Content Providers for Oracle Learning](#)

### Configure External AICC-Based Content Providers for Oracle Learning

You can configure integration for AICC-based content from BizLibrary, Intuition, LinkedIn, and OpenSesame with Oracle Learning.

**Before you start**

Get the information you need to complete the connector configurations.

Provider	Integration Information to Get
BizLibrary	<ul style="list-style-type: none"><li>• Billing ID</li><li>• API key</li></ul> <p>You can get this information by contacting BizLibrary support.</p>
Intuition	<p>Get this information for each account that you're using:</p> <ul style="list-style-type: none"><li>• Intuition account URL</li><li>• Client ID</li><li>• Client secret</li></ul> <p>You can import the Intuition learning catalog to only 1 environment per account. To import the catalog to, for example, a test environment and a production environment, you need a unique account for each environment.</p> <p>You can get this information from Intuition Support.</p>

Provider	Integration Information to Get
LinkedIn	<ul style="list-style-type: none"><li>• Client ID</li><li>• Client secret</li></ul> <p>If you plan to use more than one environment, get a unique server account for each environment. Having separate server accounts lets you keep data updates in sync across all environments.</p>
OpenSesame	<ul style="list-style-type: none"><li>• Client ID</li><li>• Client secret</li><li>• Unique OpenSesame customer integration ID</li></ul> <p>Each instance you use requires a different customer integration ID. For more details, see <a href="#">Setting up your Oracle Learning Cloud– OpenSesame integration and sending courses</a>.</p> <p>You can get this information by contacting your OpenSesame implementation specialist.</p>

### Here's what to do

#### 1. | **Note:** My Client Groups > Learning > Configure External Providers

1. On the Configure External Provider page for the content provider, complete the configuration parameters using the information that the provider gave you. The specific parameters depend on the provider you're configuring.
2. Select the applicable advanced options to automatically import new and changed assets to, and retire assets from the Oracle Learning catalog.
3. Validate the configuration parameters.
4. Select the applicable advanced options.
5. Save your changes and close the page.
6. To keep the content up to date, schedule the **Load and Synchronize External Course Data** process using the **Navigator > Tools > Scheduled Processes** task.

## How External AICC-Based Course Properties Map to Oracle Learning Properties

The import process for AICC-based content creates a corresponding HACP content resource, course, self-paced offering, and offering activity for each language available in the provider's catalog.

For example, an external provider offers a Microsoft Basic course in English and Spanish. The import creates two learning courses, each with a single offering. These objects are pointers to the external content hosted in the provider's catalog.

Here's how the properties map between the external AICC-based courses and Oracle Learning items:

External Course Properties	Oracle Learning Item Properties
Name	<ul style="list-style-type: none"> <li>Content resource title</li> <li>Course title</li> <li>Offering title</li> <li>Offering activity title</li> </ul>
Description	<ul style="list-style-type: none"> <li>Content resource description</li> <li>Course description</li> <li>Offering description</li> <li>Offering activity description</li> </ul>
Thumbnail image	<p>Course branding image</p> <p>We don't import brand images from BizLibrary because it sends the image URLs encoded in Base64 format, which we don't support.</p>
Language	Offering language
Provider name	Content resource author
Import date	<ul style="list-style-type: none"> <li>Content resource start date</li> <li>Course publish start date</li> <li>Offering publish start date</li> </ul>
Retired date	<ul style="list-style-type: none"> <li>Content resource end date</li> <li>Course publish end date</li> <li>Offering publish end date</li> </ul>

Imported properties don't include any expected effort properties, including minimums and maximums.

## Defaults Applied During Import

The import learning content process uses the learning setting for recorded attempts when it creates the HACP content resources. It also uses the applicable global learning settings when it creates the courses and offerings.

To review and configure the global settings, use the **Configure Catalog Defaults** task on the **My Client Groups > Learning** page. Learning administrators can change these global settings when they're creating or editing a learning item.

## How Oracle Learning Imports External AICC-Based Content Offered in Multiple Languages

To support global learning needs, most providers offer AICC-based courses in multiple languages. How the import learning content process handles these courses depends on the provider.

## Separate Courses

An import for these providers creates a distinct set of corresponding Learning objects for every language available in the provider's catalog:

- BizLibrary
- Intuition
- LinkedIn Learning
- OpenSesame

For example, the external provider offers a Microsoft Basic course in English and Spanish. The import creates two learning courses, each with a single offering.

## One Course with Separate Offerings

An import for these providers creates a single set of the corresponding content resource and course objects. It also creates a distinct set of the self-paced offering and offering activity objects for each language available in the Skillsoft catalog.

- Skillsoft

For example, the provider offers a Microsoft Basics course in English and Spanish. The import creates a single learning course with separate offerings for the English and Spanish versions.

## 3 xAPI-Based External Content

### Set Up Coursera Integration with Oracle Learning

You can import Coursera learning content to Oracle Learning as self-paced learning. The content that's imported depends on your Coursera subscription plan and the content accessible to you on their platform.

Learner enrollment and completion is tracked in Oracle Learning whether it's launched from Coursera or from Oracle Learning. Progress data is sent by Coursera to Oracle Learning using the xAPI protocol for sharing learning experience data. So you have a single learning transcript for your learners in Oracle Learning that includes Coursera content, regardless of where they launch the content.

#### Before you start

- Make sure that you have a working account with Coursera.
- Configure single sign in between Oracle Learning and Coursera to ensure accurate user information exchange for learner progression tracking. You can use any identity provider you want.
- *Enable self-paced learning.*

#### Here's what to do

1. In Oracle Learning, create a user account you'll provide to Coursera so they can authenticate to your instance and send their content and learner progression.
  - a. On the **Navigator > Tools > Security Console** page, Users tab, add a user account.
  - b. Set Associated Person Type to **None**.
  - c. Enter the appropriate user details so you can identify the account. Give the account a meaningful user name, such as Coursera.
  - d. Create a job role and include the Learning Content Provider duty role.
  - e. Grant this role to the new user account. The role lets this account use the necessary Oracle APIs to receive content and completions from Coursera.
2. Enable the Coursera external provider using the **My Client Groups > Learning > Configure External Providers** task.
  - a. Enter the user account created in the previous step.
  - b. Select a learning catalog profile that will apply to all imported Coursera learning. The profile identifies who can see and manage the learning.
  - c. Validate the configuration.
  - d. Optionally change the attribute mappings that you can to map certain Coursera attributes to attributes in Oracle Learning that you might have extended or changed. Not all attribute maps can be changed.
3. Contact your Coursera account team and give them the user name created in Oracle Learning. This account team can also help you with any related Coursera setup questions. In turn, they'll provide you with this information:
  - A public certificate so they can authenticate to the Oracle Learning APIs to send content and completion data.
  - The trusted issuer name for their JWT token, it needs to exactly match the value used when configuring JWT.
4. In Oracle Learning, add Coursera's public certificate to authenticate incoming requests from Coursera. For detailed steps, see *Configuring Oracle API Authentication for Content Provider (document ID 3041374.1)* on My Oracle Support.

5. If they aren't already scheduled, schedule these background processes using the **Navigator > Tools > Scheduled Processes** task:

Process	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS  Set the program name to OLC-REST and leave the other input fields empty.	Once per day  To reduce delays in updating the content in Oracle Learning, check with Coursera to find out when their syncing of content updates typically completes and schedule this process to run after that.	Makes new content and updates from Coursera visible in Oracle Learning.
Process Learning Experience Statements	Once per day	Processes any learner experience statements from Coursera that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions		Deactivates content when the deactivation date set by Coursera arrives.

#### Related Topics

- [Catalog Administration Profiles](#)

## How Coursera Learning Types Map to Oracle Learning Types

Here's how Coursera learning types map to learning types in Oracle Learning. Neither mapping can be updated. Also, learner completion for both learning types is automatic when the content is completed in Coursera.

Coursera sends completions at 4-hour intervals, so learners can experience up to a 4-hour delay between when they complete content and see changes to their enrollment progress.

Coursera Learning Type	Oracle Learning Type	Can Update Mapping?	Learner Completion
Course	Online Course	No	Automatic when completed in Coursera
Specialization	Learning Path		

## Handling Coursera Learning Completions

Here's what happens between Coursera and Oracle Learning when a learner starts and completes a Coursera course or specialization.

When a learner starts a course or specialization, Coursera sends xAPI statements.

- If the learner isn't already enrolled through Oracle Learning, Oracle Learning creates their enrollment with an In progress status.
- If the learner is already enrolled, their Oracle Learning enrollment remains in the In progress status.

Coursera doesn't send any xAPI statements while the learner is working on the content. When the learner completes a course or specialization, Coursera again sends xAPI statements. When Oracle Learning gets the statements, it updates the enrollment to the Completed status. Because Coursera sends these statements at 4-hour intervals, learners can experience up to a 4-hour delay between completion and their enrollment status change.

After completing an enrollment, a learner can retake assessments to improve their grades. By default, Coursera generates relevant xAPI statements with the updated score, but you can configure Coursera to disable this behavior. If Oracle Learning gets these xAPI statements from Coursera, it creates another enrollment for the learner, with the new score.

## Set Up Go1 Integration with Oracle Learning

You can import Go1 learning content to Oracle Learning as self-paced learning. The content that's imported depends on your Go1 subscription plan and the content accessible to you on their platform.

Learner enrollment and completion is tracked in Oracle Learning whether it's launched from Go1 or from Oracle Learning. Progress data is sent by Go1 to Oracle Learning using the xAPI protocol for sharing learning experience data. So you have a single learning transcript for your learners in Oracle Learning that includes Go1 content, regardless of where they launch the content.

### Before you start

- Make sure that you have a working account with Go1.
- Configure single sign in between Oracle Learning and Go1 to ensure accurate user information exchange for learner progression tracking. You can use any identity provider you want.
- *Enable self-paced learning.*

### Here's what to do

1. In Oracle Learning, create a user account you'll provide to Go1 so they can authenticate to your instance and send their content and learner progression.
  - a. On the **Tools > Security Console** page, Users tab, add a user account.
  - b. Set Associated Person Type to **None**.
  - c. Enter the appropriate user details so you can identify the account. Give the account a meaningful user name, such as Go1.
  - d. Create a job role and include the Learning Content Provider duty role.
  - e. Grant this role to the new user account. The role allows this account to use the necessary Oracle APIs to receive content and completions from Go1.
2. Enable the Go1 external provider using the **My Client Groups > Learning > Configure External Providers** task.
  - a. Enter the user account created in the previous step.
  - b. Select a learning catalog profile that will apply to all imported Go1 learning. The profile identifies who can see and manage the learning.
  - c. Validate the configuration.

- d. Optionally change the attribute mappings. These let you map certain Go1 attributes to attributes in Oracle Learning that you might have extended or changed.
3. Contact your Go1 customer success manager or support@go1.com and give them the user name created in Oracle Learning. The customer success manager or Support can also help you with any related Go1 setup questions. In turn, they'll provide you with this information:
  - o A public certificate so they can authenticate to the Oracle Learning APIs to send content and completion data.
  - o The trusted issuer name for their JWT token, it needs to exactly match the value used when configuring JWT.
  - o A public certificate so they can authenticate to the Oracle Learning APIs to send content and completion data
  - o A trusted issuer name for their JWT token
4. In Oracle Learning, add Go1's public certificate to authenticate incoming requests from Go1. For detailed steps, see [Configuring Oracle API Authentication for Content Provider \(document ID 3041374.1\)](#) on My Oracle Support.
5. If they aren't already scheduled, schedule these background processes using the **Tools > Scheduled Processes** task:

Process	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS  Set the program name to OLC-REST and leave the other input fields empty.	Once per day  To reduce delays in updating the content in Oracle Learning, check with Go1 to find out when their syncing of content updates typically completes and schedule this process to run after that.	Makes new content and updates from Go1 visible in Oracle Learning.
Process Learning Experience Statements	Once per day	Processes any learner experience statements from Go1 that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions		Deactivates content when the deactivation date set by Go1 arrives.

#### Related Topics

- [Catalog Administration Profiles](#)

## How Go1 Learning Types Map to Oracle Learning Types

Here's how Go1 learning types map to learning types in Oracle Learning. Also, learner completion for all learning types is automatic when the content is completed in Go1.

Go1 Learning Type	Oracle Learning Type	Can Update Mapping?	Learner Completion
Course	Online Course	No	Automatic when completed in Go1
Audio	Audiobook		



Go1 Learning Type	Oracle Learning Type	Can Update Mapping?	Learner Completion
Video	Video		
Text	Article	Yes, to Document or any customer-created type	
Document	Document	No	
Link	Online Course	Yes, to any other Go1 supported or customer-created type	
Interactive	Online Course	No	

## Handling Go1 Learning Completions

Here's what happens between Go1 and Oracle Learning when a learner starts and completes a supported Go1 learning.

When a learner start a supported learning, Go1 sends xAPI statements

- If the learner isn't already enrolled through Oracle Learning, Oracle Learning creates their enrollment with an In progress status.
- If the learner is already enrolled, their Oracle Learning enrollment remains in the In progress status.

Go1 doesn't send any xAPI statements while the learner is working on the content. When the learner completes a supported learning type, Go1 again sends xAPI statements. When Oracle Learning gets the statements, it updates the learner's enrollment to the Completed status.

After a learner completes any supported learning, they can re-enroll in it in Go1. Re-enrollment in Go1 creates another Oracle Learning enrollment with the In progress status, for the learner.

## Set Up Harvard Business Publishing Integration with Oracle Learning

You can now import Harvard Business Publishing learning content to Oracle Learning as self-paced learning. The content you can import depends on your Harvard Business Publishing subscription plan and the content accessible to you on their platform.

If you have the license, the integration will also sync Harvard Manage Mentor courses.

Learner progression and completion is tracked in Oracle Learning whether it's launched from Harvard Business Publishing or from Oracle Learning. Progress data is sent by Harvard Business Publishing to Oracle Learning using the xAPI protocol for sharing learning experience data in near real time. So you have a single learning transcript for your learners in Oracle Learning that includes Harvard Business Publishing content, regardless of where they launch.

### Before you start

- Make sure that you have a working account with Harvard Business Publishing.

- Configure single sign in between Oracle Learning and Harvard Business Publishing to ensure accurate user information exchange for learner progression tracking. You can use any identity provider you want.
- *Enable self-paced learning.*

### Here's what to do

1. In Oracle Learning, create a job role that includes the Learning Content Provider duty role. The role lets this account use the necessary Oracle APIs to receive content and completions from Harvard Business Publishing. Use the **Tools > Security Console**, Roles tab.
2. Create a user account that you'll provide to Harvard Business Publishing so they can authenticate to your instance and send their content and learner progression
  - a. On the **Tools > Security Console**, Users tab, click **Add User Account**.
  - b. On the Add User Account page, set Associated Person Type to **None**.
  - c. Enter the appropriate user details so you can identify the account. Be sure to give the account a meaningful user name, such as user.harvardbusiness.
  - d. Add the job role you created in step 1.
3. Enable Harvard Business Publishing external provider in Oracle Learning using the **My Client Groups > Learning and Development > Configure External Providers** task.
  - a. Enter the user account created in the previous step.
  - b. Select a learning catalog profile that will apply to all imported Harvard Business Publishing learning. The profile identifies who can see and manage the learning.
  - c. Validate the configuration.
  - d. Optionally change the attribute mappings between certain Harvard Business Publishing attributes and Oracle Learning attributes you might have extended or changed.
4. Contact your Harvard Business Publishing account team and give them the user name created previously in Oracle Learning. The team uses the provided username, to give you this information:
  - o A public certificate so they can authenticate to the Oracle Learning APIs to send content and completion data
  - o A trusted issuer name for their JWT token
5. Add Harvard Business Publishing's public certificate to Oracle to authenticate incoming requests from Harvard. For detailed steps, see *Configuring Oracle API Authentication for Content Provider (document ID 3041374.1)* on My Oracle Support.
6. If they aren't already scheduled, schedule these background processes using the **Navigator > Tools > Scheduled Processes** task:

Process	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS  Set the program name to OLC-REST and leave the other input fields empty.	Once per day  To reduce delays in updating the content in Oracle Learning, check with Harvard Business Publishing to find out when their syncing of content updates typically completes and schedule this process to run after that.	Makes new content and updates from Harvard Business Publishing visible in Oracle Learning.
Process Learning Experience Statements	Once per day	Processes any learner experience statements from Harvard Business Publishing that for some reason weren't processed immediately.

Process	Recommended Frequency	Description
Process Learning Catalog Item Deactivations and Deletions		Deactivates content when the deactivation date set by Harvard Business Publishing arrives.

#### Related Topics

- [Catalog Administration Profiles](#)

## How Harvard Business Publishing Learning Types Map to Oracle Learning Types

Here's how Harvard Business Publishing learning types map to learning types in Oracle Learning.

Harvard Business Publishing Learning Type	Oracle Learning Type	Can Update Mapping?	Learner Completion
Article	Article	No	Learner manually marks their enrollment as complete
Assessment	Assessment	Yes, to use an observation checklist or any customer-created type	
Case Study	Article	Yes, to use a book, document, or any customer-created type	
Course	Online Course	No	Automatic when completed in Harvard Business Publishing
Lesson	Online Course	Yes, to use any customer-created type	Learner manually marks their enrollment as complete
Pathway	Learning Path	No	Learner manually marks their enrollment as complete
Podcast	Podcast	No	Learner manually marks their enrollment as complete
Tip	Article	Yes, to a book, document, or any customer-created type	
Video	Video	No	

## Handling Harvard Business Publishing Learning Completions

Here's what happens between Harvard Business Publishing and Oracle Learning when a learner starts and completes a learning pathway.

When a learner start a learning pathway, Harvard Business Publishing sends xAPI statements.

- If the learner isn't already enrolled through Oracle Learning, Oracle Learning creates their enrollment with an In progress status.
- If the learner is already enrolled, their Oracle Learning enrollment remains in the In progress status.

Harvard Business Publishing doesn't send any xAPI statements while the learner is working on the content. When the learner completes a course or learning pathway, Harvard Business Publishing again sends xAPI statements. It sends the statements only once for each course or pathway. When Oracle Learning gets the statements, it updates the enrollment to the Completed status.

The learner needs to manually update their enrollment to Completed for all other learning types. And the learner can review completed content, but not re-enroll.

## Set Up O'Reilly Integration with Oracle Learning

You can import O'Reilly learning content to Oracle Learning as self-paced learning. The content that's imported depends on your O'Reilly subscription plan and the content accessible to you on their platform.

Learner enrollment and completion is tracked in Oracle Learning whether it's launched from O'Reilly or from Oracle Learning. Progress data is sent by O'Reilly to Oracle Learning using the xAPI protocol for sharing learning experience data. So you have a single learning transcript for your learners in Oracle Learning that includes O'Reilly content, regardless of where they launch the content.

### Before you start

- Make sure that you have a working account with O'Reilly.
- Configure single sign in between Oracle Learning and O'Reilly to ensure accurate user information exchange for learner progression tracking. You can use any identity provider you want.
- *Enable self-paced learning.*

### Here's what to do

1. In Oracle Learning, create a user account you'll provide to O'Reilly so they can authenticate to your instance and send their content and learner progression.
  - a. On the **Tools > Security Console** page, Users tab, add a user account.
  - b. Set Associated Person Type to **None**.
  - c. Enter the appropriate user details so you can identify the account. Give the account a meaningful user name, such as O'Reilly.
  - d. Create a job role and include the Learning Content Provider duty role.

- e. Grant this role to the new user account. The role allows this account to use the necessary Oracle APIs to receive content and completions from O'Reilly.
2. Enable the O'Reilly external provider using the **My Client Groups > Learning > Configure External Providers** task.
  - a. Enter the user account created in the previous step.
  - b. Select a learning catalog profile that will apply to all imported O'Reilly learning. The profile identifies who can see and manage the learning.
  - c. Validate the configuration.
  - d. Optionally change the attribute mappings. These let you map certain O'Reilly attributes to attributes in Oracle Learning that you might have extended or changed.
3. Contact O'Reilly Platform Integration ([platformintegration@oreilly.com](mailto:platformintegration@oreilly.com)) and give them the user name created in Oracle Learning. Platform Integration can also help you with any related O'Reilly setup questions. In turn, they'll provide you with this information:
  - o A public certificate so they can authenticate to the Oracle Learning APIs to send content and completion data.
  - o The trusted issuer name for their JWT token, it needs to exactly match the value used when configuring JWT.
4. In Oracle Learning, add O'Reilly's public certificate to authenticate incoming requests from O'Reilly. For detailed steps, see [Configuring Oracle API Authentication for Content Provider \(document ID 3041374.1\)](#) on My Oracle Support.
5. If they aren't already scheduled, schedule these background processes using the **Tools > Scheduled Processes** task:

Process	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS  Set the program name to OLC-REST and leave the other input fields empty.	Once per day  To reduce delays in updating the content in Oracle Learning, check with O'Reilly to find out when their syncing of content updates typically completes and schedule this process to run after that.	Makes new content and updates from O'Reilly visible in Oracle Learning.
Process Learning Experience Statements	Once per day	Processes any learner experience statements from O'Reilly that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions		Deactivates content when the deactivation date set by O'Reilly arrives.

#### Related Topics

- [Catalog Administration Profiles](#)

## How O'Reilly Learning Types Map to Oracle Learning Types

Here's how O'Reilly learning types map to learning types in Oracle Learning and what mappings can be updated. Also see how learner completion is handled depending on learning type.

O'Reilly Learning Type	Oracle Learning Type	Can Update Mapping?	Learner Completion
Sandbox	Assessment	Yes, to use an observation checklist or any customer-created type	Learner manually marks their enrollment complete
Cloud Sandbox	Assessment		
Audiobook	Audiobook	No	Automatic when completed in O'Reilly
Book	Book		
Live Event Series	Learning Event		
Live Course	Learning Event		
Certification Guide	Learning Path		
Expert Playlist	Learning Path	Yes, to any customer-created type	Learner manually marks their enrollment complete
Course	Online Course		
Video	Video	No	Automatic when completed in O'Reilly
Article	Article		
Shortcut	Article		
Practice Test	Assessment	Yes, to use an observation checklist or any customer-created type	Learner manually marks their enrollment complete
Lab	Assessment		
Cloud Lab	Assessment		

## Handling O'Reilly Learning Completions

Here's what happens between O'Reilly Media and Oracle Learning when a learner starts and completes a supported O'Reilly learning.

When a learner starts an Article, Audiobook, Book, Course, Live Event, Shortcut or Video, O'Reilly sends xAPI statements

- If the learner isn't already enrolled through Oracle Learning, Oracle Learning creates their enrollment with an In progress status.
- If the learner is already enrolled, their Oracle Learning enrollment remains in the In progress status.

O'Reilly Media doesn't send any xAPI statements while the learner is working on the content. When the learner completes any learning that supports completions in O'Reilly, O'Reilly sends xAPI statements for learner completion. When Oracle Learning gets the statements, it updates the enrollment to the Completed status.

The learner needs to manually update their enrollment to Completed for all other learning types. Learner can review completed content, but O'Reilly won't send xAPI statements again.

# Set Up Skillsoft Percipio Integration with Oracle Learning

You can import Skillsoft Percipio learning content to Oracle Learning as self-paced learning. The content that's imported depends on your Skillsoft Percipio subscription plan and the content accessible to you on their platform.

Learner enrollment and completion is tracked in Oracle Learning whether it's launched from Skillsoft Percipio or from Oracle Learning. Progress data is sent by Skillsoft Percipio to Oracle Learning using the xAPI protocol for sharing learning experience data. So you have a single learning transcript for your learners in Oracle Learning that includes Skillsoft Percipio content, regardless of where they launch the content.

## Before you start

- Make sure that you have a working account with Skillsoft Percipio.
- Configure single sign in between Oracle Learning and Skillsoft Percipio to ensure accurate user information exchange for learner progression tracking. You can use any identity provider you want.
- *Enable self-paced learning.*

## Here's what to do

1. In Oracle Learning, create a user account you'll provide to Skillsoft Percipio so they can authenticate to your instance and send their content and learner progression.
  - a. On the **Tools > Security Console** page, Users tab, add a user account.
  - b. Set Associated Person Type to **None**.
  - c. Enter the appropriate user details so you can identify the account. Give the account a meaningful user name, such as skillsoft.percipio.
  - d. Create a job role and include the Learning Content Provider duty role.
  - e. Grant this role to the new user account. The role allows this account to use the necessary Oracle APIs to receive content and completions from Skillsoft.
2. Enable the Skillsoft Percipio external provider using the **My Client Groups > Learning > Configure External Providers** task.
  - a. Enter the user account created in the previous step and validate.
  - b. Select a learning catalog profile that will apply to all imported Percipio learning. The profile identifies who can see and manage the learning.
  - c. Validate the configuration.
  - d. Optionally change the attribute mappings. These let you map certain Percipio attributes to attributes in Oracle Learning that you might have extended or changed.
3. Contact your Skillsoft account team and give them the user name and password created in Oracle Learning. The integration uses JWT authentication for content and basic authentication for learner tracking. The account team can also help you with any related Skillsoft setup questions. In turn, they'll provide you with this information:
  - A public certificate so they can authenticate to the Oracle Learning APIs to send content.
  - The trusted issuer name for their JWT token, it needs to exactly match the value used when configuring JWT.

4. In Oracle Learning, add Skillsoft Percipio's public certificate to authenticate incoming requests from Skillsoft Percipio. For detailed steps, see [Configuring Oracle API Authentication for Content Provider \(document ID 3041374.1\)](#) on My Oracle Support.
5. If they aren't already scheduled, schedule these background processes using the **Tools > Scheduled Processes** task:

Process	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS  Set the program name to OLC-REST and leave the other input fields empty.	Once per day  To reduce delays in updating the content in Oracle Learning, check with Skillsoft Percipio to find out when their syncing of content updates typically completes and schedule this process to run after that.	Makes new content and updates from Skillsoft Percipio visible in Oracle Learning.
Process Learning Experience Statements	Once per day	Processes any learner experience statements from Skillsoft Percipio that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions		Deactivates content when the deactivation date set by Skillsoft Percipio arrives.

#### Related Topics

- [Catalog Administration Profiles](#)

## How Skillsoft Percipio Learning Types Map to Oracle Learning Types

Here's how Skillsoft Percipio learning types map to learning types in Oracle Learning. Also, learner completion for all learning types is automatic when the content is completed in Skillsoft Percipio.

Percipio Learning Type	Oracle Learning Type	Can Update Mapping?	Learner Completion
Assessment	Assessment	Yes, to use an observation checklist or other nondelivered option	Automatic when completed in Percipio
Audio Book	Audiobook	No	
Book	Book		
Course	Online Course		
Video	Video		
Journey	Learning Path		
Scheduled Content (live event)	Learning Event		



## Handling Skillsoft Percipio Learning Completions

Here's what happens between Skillsoft Percipio and Oracle Learning when a learner starts and completes a supported Percipio learning.

When a learner starts a Book, Audiobook, Course or Benchmark Assessment, Percipio sends xAPI statements

- If the learner isn't already enrolled through Oracle Learning, Oracle Learning creates their enrollment with an In progress status.
- If the learner is already enrolled, their Oracle Learning enrollment remains in the In progress status.

When the learner completes a supported learning type, Percipio sends xAPI statements for completion. When Oracle Learning gets the statements, it updates the learner's enrollment to the Completed status.

After completion, the learner can restart a course and retake a benchmark assessment in Percipio. These actions in Percipio will generate new xAPI statements and when Oracle Learning gets them, it creates another enrollment for the learner.

## External xAPI-Based Content Provider and Oracle Learning Data Exchange Reference

Here are the Oracle Learning actions that start communications with the configured external content provider, and the endpoint used. You can also see what information each action sends to and gets from the xAPI-based external providers.

The providers are Coursera, Go1, Harvard Business Publishing, O'Reilly Media, and Skillsoft Percipio.

Action	Sent from Oracle Learning to the External Content Provider	Sent from the External Content Provider to Oracle Learning
Configure and validate the provider	NA	NA
Provider pushes content to Oracle Learning using REST API	NA	<p>This is the information that can be sent across all providers. The actual information could vary by provider.</p> <ul style="list-style-type: none"><li>• Content URL</li><li>• Title</li><li>• Summary</li><li>• Description</li><li>• Instruction languages</li><li>• Expected effort</li><li>• Publisher</li><li>• Author</li></ul>

Action	Sent from Oracle Learning to the External Content Provider	Sent from the External Content Provider to Oracle Learning
		<ul style="list-style-type: none"> <li>Instructor</li> <li>Status</li> <li>Deactivation date</li> <li>Cover art URL</li> </ul>
Learner navigates to the provider content page using single sign in	User information per SSO SAML configuration	NA
Provider pushes learner progressions to Oracle Learning using xAPI statements	NA	<p>Transferred as part of the xAPI statement body:</p> <ul style="list-style-type: none"> <li>User information: Required to identify the learner in Oracle Learning and update their enrollments. Based on provider configuration, it can either be user's primary work email or their Oracle Learning user name.</li> <li>Unique identifier for the provider content</li> <li>Time stamp that's the date and time for the learner's experience. For completions, Oracle Learning stores the time stamp as the completion date.</li> <li>Duration (optional): If available, it's stored as the actual effort in the learner's completion record and displayed in their transcript.</li> <li>Score (optional): If available, it's stored as the actual score in the learner's completion record and displayed in their transcript.</li> </ul>

## 4 Translations

### Set Up Google Translation for Oracle Learning

You can set up Google Translation to provide suggestions for a learning item title, a short description, and a description in the specified languages.

1. Set up your Cloud Translation API account with Google.
2. Configure the Google Translation service provider in Oracle Learning using the **My Client Groups > Learning > Configure External Providers** task.
  - a. On the Configure External Provider: Google Translation page, complete the fields as shown here.

Field	Value
Account Name	We recommend your name relates to, but isn't, your secret Google API key.
Description	Provide a description that relates to your Google setup.
Status	Indicates whether the Google translation is active. The default value is Active.
Google API Key	Provide the secret API Key that you got after setting up your Cloud Translation API account with Google.

- b. Validate that the configuration parameters are correct.
  - c. Save your changes and close the page.
3. *Install the Oracle Visual Builder Add-in for Excel.*



# 5 Test the Integration

## Load and Synchronize External Course Data

This process loads the available courses for all enabled external AICC-based content providers to Oracle Learning, such as LinkedIn and Skillsoft. We recommend that you run it daily and manually as needed to force syncs.

Schedule this process using the **Navigator > Tools > Scheduled Processes** task. By default, Force All External Course Data to Reload is **No**. This is the normal mode and shouldn't be changed to Yes unless directed to by Oracle Support.

Here's what this process does:

- Creates the necessary Learning HACP content items, course, offering, and offering activities so learners can access these external courses directly in Learning.
- Updates all existing content, including content you haven't imported. If you manually added a branding image to an imported course managed by the external provider, the import overwrites that image.
- End dates existing content that's no longer in the provider's catalog.

Learning transcripts also show learner progress in and completion of this content.

### Related Topics

- [Import External AICC-Based Content to the Oracle Learning Catalog](#)
- [Configure External AICC-Based Content Providers for Oracle Learning](#)
- [Set Up Coursera Integration with Oracle Learning](#)
- [Set Up Go1 Integration with Oracle Learning](#)
- [Set Up O'Reilly Integration with Oracle Learning](#)
- [Set Up Skillsoft Percipio Integration with Oracle Learning](#)
- [Content Resources for the Oracle Learning Catalog](#)

## Import External AICC-Based Content to the Oracle Learning Catalog

You can import all the catalog content for a configured external AICC-based provider, or import a subset. For example, import only the content in a certain language.

### Before you start

1. [Configure External AICC-Based Content Providers for Oracle Learning](#)
2. Make sure that you have the Manage External eLearning Content security privilege.
3. Make sure that the Load and Synchronize External Course Data process isn't running or scheduled to run during your import.

### Here's what to do

**1. | Note: My Client Groups > Learning and Development > Import External Content**

1. On the Import External Content page, click **Import**.
2. On the Import External Content page, search for and import the content appropriate content.
  - o To add all a provider's courses, regardless of your search criteria, on the **Import Entire Catalog** button menu, select the provider.
  - o To add a subset of content, search for and select it. Then on the toolbar, click **Import**. You can use standard keyboard shortcuts, such as Ctrl+A to select all the search results. You can also use Shift or Ctrl to select consecutive and nonconsecutive content.

**CAUTION:** If you manually added a branding image to a course managed by the external provider, the import overwrites that image.

**Note:** We don't import brand images from BizLibrary because it sends the image URLs encoded in Base64 format, which we don't support.

3. On the message that appears, click **Yes**. The import learning content process runs in the background to create the corresponding learning catalog resources and content.
4. To monitor the courses the process is importing, in the Status field, select **Import Requested**. All selected courses have this status until the import learning content process completes.

**Tip:** You can also check the status and refresh status of imported external content on the Content page using basic and advanced search criteria. To see newly upload content that hasn't finished processing yet, and thus isn't active, in the Status field, select **All**.

*Related Topics*

- [How Oracle Learning Imports External AICC-Based Content Offered in Multiple Languages](#)
- [How External AICC-Based Course Properties Map to Oracle Learning Properties](#)
- [Load and Synchronize External Course Data](#)
- [Stop Importing AICC-Based External Content to Oracle Learning Catalog](#)
- [Stop Importing xAPI-Based Content to Oracle Learning Catalog](#)

## Test the Integration Between External Content Providers and Oracle Learning

After you configure the integration between the external content provider and Oracle Learning, complete these validations.

1. Validate the provider content as a learning administrator from the **My Client Groups > Learning** page.

For xAPI-based integrations, use the **Self-Paced Learning** task. For AICC-base integrations, use the **Courses** and **Offerings** tasks.

- a. Confirm that you can search using various provided filters, such as Publisher, Learning Type, and Language.
- b. Confirm you can view provider content by clicking the content title. Make sure all provider information is populated and as expected per the configured mappings, including the learning type, learning level, and business drivers.
- c. Confirm that you can't change the information managed by the provider, such as title, description, effort, and language.
- d. Confirm that you can change the updatable information and save the changes.
- e. Confirm that you can see all the translated versions of the learning.

2. Validate the provider content as a learner from the **Me > Learning** page.

On the **Search** tab, complete these checks:

- a. Confirm you can search the provider content using various provided filters, including language.
- b. Confirm you can view provider learning details by clicking Learn More on the expanded learning card.
- c. Confirm you can enroll in the provider learning.
- d. Confirm you can launch the provider learning from the enrollment page.
- e. Confirm you're taken to the appropriate content page on the provider's site through your Oracle single sign in credentials.
- f. Confirm your enrollment status changes to In progress after you start the content.
- g. Confirm your enrollment status changes to Completed after you complete the provider content and satisfy the content completion criteria.
- h. Confirm your learning transcript shows the completed provider learning.

On the **My Learning** tab, complete these checks from enrollment pages:

- a. Confirm you can withdraw from the provider learning.
- b. Confirm you can recommend the provider learning.
- c. Confirm you can rate the provider learning.
- d. Confirm you can report the provider learning, if this action is enabled.

3. Validate provider content updates.

- a. Confirm as a learning administrator you can see any changes to provider content metadata, such as title, description, cover art, and languages. Use the appropriate content task: **Self-Paced Learning**, **Courses**, or **Offerings**.
- b. Confirm as a learner you can see any changes to provider content metadata, such as title, description, cover art, and languages when searching the catalog. Make sure you can see the same changes in your learning enrollment after enrollments with changes are reconciled. Use the **Search** tab.

4. Validate immediately retired content. Content that the provider retires should show as retired in Oracle Learning the same day.

Complete these checks as a learning administrator using the appropriate content task: **Self-Paced Learning, Courses, or Offerings**.

- a. Confirm you can find retired content and that the status is Inactive.
- b. Confirm you can withdraw learning assignments for retired content.

Complete these checks as a learner using the **Search** tab.

- a. Confirm you can't find the retired provider content.
- b. Confirm you can no longer view or launch the retired content on the provider's site, even though you can still see the enrollment for the retired content.
- c. Confirm that you can withdraw from the enrollment for the retired content.

5. Validate future-dated content retirement.

- a. Confirm as a learning administrator you can search for provider content before the retirement date, and that the status is still Active. Use the appropriate content task: **Self-Paced Learning, Courses, or Offerings**.

Complete these checks as a learner using the **Search** tab.

- a. Confirm you can still search for the provider content before the retirement date.
- b. Confirm you can still view or launch the retiring content on the provider's site from the enrollment page.

6. Validate reactivation of retired content.

- a. Confirm as a learning administrator you can search for the reactivated provider content, and that the status is Active. Use the appropriate content task: **Self-Paced Learning, Courses, or Offerings**.

Complete these checks as a learner using the **Search** tab.

- a. Confirm you can search for the reactivated provider content.
- b. Confirm you can view or launch the reactivated content on the provider's site from the enrollment page.

7. Validate learning enrollments.

- a. Confirm as a learning administrator you can search for, create, and manage learning assignments for provider content, including changing the assignment status. Use the **Learning Assignments** task.
- a. Confirm as a learner you can search your enrollments for provider learning and see your progress. Use the **My Learning** tab.

## Generate Translation Suggestions for Oracle Learning Titles, Short Descriptions, and Descriptions

You can use Google translation services to get translation suggestions for a learning title, a short description, and a description in the specified languages.

### Before you start

*Set Up Google Translation for Oracle Learning*

### Here's what to do

1. | **Note:** **My Client Groups > Learning and Development > Learning Catalog Translation**

1. On the Learning and Development Agents page, Add button menu, select **Learning Catalog Translation**.
2. Complete the required fields.



3. Click **Apply**.
4. On the Learning and Development Agents page, search for, select, and run the appropriate Learning Catalog Translation agent.
5. After the agent completes, in the appropriate row, click **Download and Update**.
6. Sign in to the Microsoft Excel workbook using your Oracle Fusion app user name and password.
7. Accept or reject translations for each learning Item in the workbook. In the Curated column, enter **Y** to accept the suggestion and **N** to reject it. You can see the relevant translation suggestions using the Reviewed and Accepted tab and Reviewed and Rejected tab.
8. To upload the accepted translations to Oracle Learning, in the workbook, click **Upload Changes**.



## 6 Stop Imports

### Stop Importing AICC-Based External Content to Oracle Learning Catalog

You need to inactivate the relevant AICC-based external provider, such as SkillSoft or LinkedIn. Inactivation doesn't remove previously imported content because you might want to keep it for reference in learner transcripts.

#### Before you start

In the learning catalog, end date all the content for the external provider that you're inactivating using one of these methods:

- Manually, using the **My Client Groups > Learning > Content** task.
- Using the Learning Content Items REST API. For details, see the REST API for Oracle Fusion Cloud HCM guide in the Human Resources area of [Oracle Help Center](#).

You should also consider end dating the associated courses and offerings so they don't appear in the learning catalog anymore. You can do this by manually by updating the publish end date to the current date using the **Courses** and **Offerings** tasks. Or you could update the courses and offerings using HCM Data Loader.

#### Here's what to do

##### 1. | **Note:** **My Client Groups > Learning > Configure External Providers**

1. On the Configure External Providers page, in the applicable row, click **Configure**.
2. Set the status to **Inactive**.
3. Save your changes and close the page.

#### Related Topics

- [Guidelines for Loading a Course to Oracle Learning Using CourseV3](#)

### Stop Importing xAPI-Based Content to Oracle Learning Catalog

To stop syncing learning, deactivate the relevant imported xAPI-based learning. Deactivation doesn't remove previously imported content because you might want to keep it for reference in learner transcripts. It does stop processing of any provider updates and requests.

1. Edit the self-paced learning and deactivate it using the **My Client Groups > Learning > Self-Paced Learning** task.
2. Inactivate the external content provider using the **My Client Groups > Learning > Configure External Providers** task.
  - a. On the Configure External Providers page, in the applicable row, click **Configure**.

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