Oracle Fusion Cloud Talent Management

How do I integrate content providers with Oracle Learning

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

G19542-15

Author: Lynn Raiser

Contents

Get Help i

1 Getting Started 1
Overview of External Content Integration with Oracle Learning 1

2 Aperian 3
Set Up Aperian Integration with Oracle Learning 3
How Aperian Learning Types Map to Oracle Self-Paced Learning Types 4
Aperian Content Details You Can Change 5
Handling Aperian Learning Completions 5

3 BizLibrary 7
Set Up BizLibrary Integration with Oracle Learning 7
How BizLibrary Learning Types Map to Oracle Learning Types 7
Handling BizLibrary Learning Completions 8

4 Coursera 9
Set Up Coursera Integration with Oracle Learning Using JWT-Based Authentication 9
Set Up Coursera Integration with Oracle Learning Using OAuth-Based Authentication 11
How Coursera Learning Types Map to Oracle Self-Paced Learning Types 13
Coursera Content Details You Can Change 13
Handling Coursera Learning Completions 14

5 Edflex 15
Set Up Edflex Integration with Oracle Learning 15
How Edflex Learning Types Map to Oracle Self-Paced Learning Types 17
Edflex Content Details You Can Change 17
Handling Edflex Learning Completions 18

6 getAbstract 19
Set Up getAbstract Integration with Oracle Learning 19

How getAbstract Learning Types Map to Oracle Self-Paced Learning Types 20
getAbstract Content Details You Can Change 21
Handling getAbstract Learning Completions 21

7 Go1 23

Set Up Go1 Integration with Oracle Learning Using JWT-Based Authentication 23
Set Up Go1 Integration with Oracle Learning Using OAuth-Based Authentication 25
How Go1 Learning Types Map to Oracle Self-Paced Learning Types 27
Go1 Content Details You Can Change 27
Handling Go1 Learning Completions 28

8 Harvard Business Publishing 29

Set Up Harvard Business Publishing Integration with Oracle Learning Using JWT-Based Authentication 29
Set Up Harvard Business Publishing Integration with Oracle Learning Using OAuth-Based Authentication 31
How Harvard Business Publishing Learning Types Map to Oracle Learning Types 34
Harvard Business Publishing Content Details You Can Change 34
Handling Harvard Business Publishing Learning Completions 35

9 Intuition 37

Set Up Intuition Integration with Oracle Learning 37
How Intuition Learning Types Map to Oracle Self-Paced Learning Types 39
Intuition Learning Content Details You Can Change 39
Handling Intuition Learning Completions 40

10 LinkedIn Learning 41

Set Up LinkedIn Learning Integration with Oracle Learning 41
How LinkedIn Learning Types Map to Oracle Self-Paced Learning Types 44
LinkedIn Learning Content Details You Can Change 45
Handling LinkedIn Learning Completions 45

11 O'Reilly Media 47

Set Up O'Reilly Integration with Oracle Learning 47
How O'Reilly Learning Types Map to Oracle Self-Paced Learning Types 48
O'Reilly Media Content Details You Can Change 49
Handling O'Reilly Learning Completions 50

12 OpenSesame 51
Set Up OpenSesame Integration with Oracle Learning 51
How OpenSesame Learning Types Map to Oracle Learning Types 51
Handling OpenSesame Learning Completions 52

13 Skillsoft Percipio 53
Set Up Skillsoft Percipio Integration with Oracle Learning 53
How Skillsoft Percipio Learning Types Map to Oracle Self-Paced Learning Types 55
Skillsoft Percipio Content Details You Can Change 55
Handling Skillsoft Percipio Learning Completions 56

14 Udemy Business 57
Set Up Udemy Business Integration with Oracle Learning 57
How Udemy Business Types Map to Oracle Self-Paced Learning Types 60
Udemy Content Details You Can Change 60
Handling Udemy Business Completions 60

15 xAPI-Based External Content Data Exchange 63
External xAPI-Based Content Provider and Oracle Learning Data Exchange Reference 63

16 Test the Integration 65
Import External AICC-Based Content to the Oracle Learning Catalog 65
Test the Integration Between External Content Providers and Oracle Learning 66

17 Stop Imports 69
Stop Importing AICC-Based External Content to Oracle Learning Catalog 69
Stop Importing xAPI-Based Content to Oracle Learning Catalog 69

18 Scheduled Background Processes 71
Load and Synchronize External Course Data 71
Process Learning Catalog Item Deactivations and Deletions 71
Process Learning Experience Statements 71

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 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.

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*.

Thanks for helping us improve our user assistance!

1 Getting Started

Overview of External Content Integration with Oracle Learning

You can let learners search a single catalog for all available learning provided by your organization using integrations between external providers and Oracle Learning. The integrations also let you manage learning and transcripts in one place.

You can now integrate external learning content into Oracle Learning. The content available for import depends on your subscription plan and the access granted on the provider's platform. Learners can quickly find provider content in the Oracle Learning catalog by applying the Publisher filter.

Learner progression and completion is seamlessly tracked in Oracle Learning, regardless of where the content is launched from unless otherwise specified. If launching from the provider, learners need to sign in with their Oracle HCM work emails. The provider sends progress data to Oracle Learning using the xAPI protocol. This integration ensures learners have a unified learning transcript in Oracle Learning that includes the provider's content, regardless of where it was launched.

When an xAPI-based provider retires a content, the content status updates to Inactive in Oracle Learning and all active enrollments are automatically withdrawn. Completed enrollments will still be available in learner transcripts. Learners can no longer search for the inactive learning. And learning specialist can't delete or reactivate the inactive content. If the provider reactivates the content, it updates the content status back to Active in Oracle Learning and learners can find it again when searching.

2 Aperian

Set Up Aperian Integration with Oracle Learning

Integrate Aperian learning content seamlessly into Oracle Learning. The integration also lets you track learner progress and completions in Oracle Learning, whether the content is accessed through Aperian or directly in Oracle Learning.

1. Make sure that you have an active account with Aperian that allows integrations.
2. Configure single sign in between Oracle Learning and Aperian to ensure the correct exchange of user information for learner progression tracking. You can use any identity provider you want.
3. Map the user name or work email attribute, or both attributes depending on the provider's requirements. The provider includes the user name or work email in the xAPI statements it sends to Oracle Learning to identify the relevant learner.
4. *Enable self-paced learning*
5. In Oracle, create a job role that includes only the Learning Content Provider duty role--don't include any other duty role. The role lets this account use the necessary Oracle APIs to receive content and completions from Aperian.
    a. Go to **Tools** > **Security Console**.
    b. Click the Roles tab.

> **CAUTION:** If you have any IP restrictions or have enabled location-based access control (LBAC), make sure to enable the job role for access from all IP addresses. Otherwise Aperian will get API authentication failures when sending content to Oracle Learning.

6. Create a user account that you'll use in step 3. Oracle Learning uses the account when querying Aperian to get new and updated content.
    a. Go to **Tools** > **Security Console**.
    b. On the Users tab, add a user account.
    c. Set Associated Person Type to **None**. Make sure the user isn't associated with a person or worker account.
    d. Enter the appropriate user details so you can identify the account. Be sure to give the account a meaningful user name, such as **user.aperian**.

    > **Tip:** Aperian uses this user for both content and completion syncs.

    e. Add the job role you created in step 1.
7. Enable the Aperian external provider.
    a. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
    b. Enter the user account created in step 2.
    c. Select a learning catalog profile that will apply to all imported Aperian learning. The profile identifies who can see and manage the learning.
    d. Optionally configure audience and catalog settings. The settings apply to new content imported after you validate your changes. Changes aren't automatically applied to content imported before you validate these changes.
    e. Validate the configuration.
    f. Optionally change the attribute mappings between certain Aperian attributes and Oracle Learning attributes you might have extended or changed.

8. Contact your Aperian account team and give them the user name created in step 2. In turn, they'll give you this information:
    - The trusted issuer name for their JWT token, it needs to exactly match the value used when configuring JWT.
    - A public certificate so they can authenticate to the Oracle Learning APIs to send content and completion data
9. Create an Oracle API authentication provider to authenticate incoming requests from Aperian.
    a. Go to **Tools** > **Security Console**.
    b. On the API Authentication tab, create the Oracle API authentication provider.
    c. Edit the API authentication configuration details so that you can enter the trusted issuer name provided by your Aperian account team and select the JWT token type.

    > **CAUTION:** You need to get the trusted issuer name from Aperian and the name that you enter needs to match the value they used when generating the token. Any other name results in authentication errors when Aperian tries to send content.

    d. Save your changes and close the page.
    e. Add a new inbound API authentication public certificate with a unique alias.
    f. Upload the public key (.cer extension file) provided by your Aperian account team.
    g. Save your changes and click **Done**. Your environment can now accept incoming requests from Aperian.
10. If they're not already scheduled because another provider is already enabled or you've been creating and managing your own self-paced learning, schedule these background processes.
    a. Go to **Tools** > **Scheduled Processes**.

Process	Input Parameter	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS	Program Name is OLC-REST	Once per day, after the Load and Synchronize External Course Data process completes	Make new content and updates visible to people in Oracle Learning.
Process Learning Experience Statements	NA	Once per day	Process any learner experience statements that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions	NA	Once per day, after the Load and Synchronize External Course Data process completes	Deactivate content and withdraw active enrollments.

11. If you set the provider content visibility to private, schedule the Reconcile User Groups background process to run daily if it's not already scheduled.

How Aperian Learning Types Map to Oracle Self-Paced Learning Types

Aperian sends completions in near real time except for Aperian Live, which might take up to 24 hour to reflect in Oracle Learning.

Aperian Learning Type	Oracle Self-Paced Learning Type	Can update mapping?	L
GlobeSmart Guide	Article	Yes, to Document, Book, or any custom type	A
Learning Module	Online Course	No	
GlobeSmart Profile	Assessment	Yes, to Observation Checklist or any custom type	
Aperian Live	Learning Event	No	
Inclusive Behaviours Inventory	Assessment	Yes, to Observation Checklist or any custom type	
Skill	Learning Path	Yes, to any custom type	

Aperian Content Details You Can Change

Some Aperian content details can't be changed in Oracle Learning because Aperian maintains authority over its content. Aperian does send content updates to Oracle Learning as it makes changes. Here's what you can and can't change in Oracle Learning.

Summary

Can Change	Can't Change
• Visibility • Notification pattern • Oracle Learning catalog visibility dates • Coordinator • Related materials • Additional information • Skills and qualifications • Topics and community associations • Featured dates	• Content URL • Title • Summary • Description • Instruction languages • Expected effort • Publisher • Instructor • Completion rules • Status • Deactivation date

Handling Aperian Learning Completions

Here's what happens between Aperian and Oracle Learning when a learner starts and completes an Aperian content.

For Learning Module, Globesmart Profile, and Inclusive Behaviours Inventory, Aperian sends xAPI statements to Oracle when the learner starts the content.

- 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.

Aperian doesn't send any xAPI statements while the learner is working on the content.

For all learning types, Aperian sends xAPI completions to Oracle Learning when the learner completes the Aperian learning. When Oracle Learning gets the statements, it updates the enrollment to the Completed status in near real time. There might be a delay of up to 24 hours to get completions for Aperian Live events, so the learner can experience a delay between completion and their enrollment status changing.

After completing an enrollment, a learner can take Globesmart Profiles, Inclusive Behaviours Inventory, Learning Module and Aperian Live learning again. After the learner completes the learning again, Aperian sends the completion to and Oracle Learning creates another enrollment for the learner. For the remaining Aperian learning types, the completion is sent only the first time the learner completes the learning.

3 BizLibrary

Set Up BizLibrary Integration with Oracle Learning

Integrate BizLibrary content seamlessly into Oracle Learning.

1. Contact BizLibrary support to get the information you need to complete the connector configurations:
    - Billing ID
    - API key
2. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
3. On the Configure External Provider page for the content provider, complete the configuration parameters using the information that BizLibrary gave you.
4. Select the applicable advanced options to automatically import new and changed assets to, and retire assets from the Oracle Learning catalog.
5. Validate the configuration parameters.
6. Select the applicable advanced options.
7. Save your changes and close the page.
8. To keep the content up to date, schedule the **Load and Synchronize External Course Data** process. If another content provider is enabled, you probably already have this process scheduled.
    a. Go to **Tools** > **Scheduled Processes**.

How BizLibrary Learning Types Map to Oracle Learning Types

The import process for BizLibrary 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, let's say that BizLibrary 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 BizLibrary's catalog.

Here's how the properties map between the external courses and Oracle Learning:

External Course Properties	Oracle Learning Item Properties
Name	• Content resource title • Course title • Offering title • Offering activity title

External Course Properties	Oracle Learning Item Properties
Description	• Content resource description • Course description • Offering description • Offering activity description
Thumbnail image	Course branding image We don't import brand images from BizLibrary because it sends the image URLs encoded in Base64 format, which we don't support.
Language	Offering language
Provider name	Content resource author
Import date	• Content resource start date • Course publish start date • Offering publish start date
Retired date	• Content resource end date • Course publish end date • Offering publish end date

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 and Development** page. Learning administrators can change these global settings when they're creating or editing a learning.

Handling BizLibrary Learning Completions

Oracle Learning gets BizLibrary completions only when the course is launched from Oracle Learning. Completions for learning launched from BizLibrary aren't tracked.

4 Coursera

Set Up Coursera Integration with Oracle Learning Using JWT-Based Authentication

Integrate Coursera learning content seamlessly into Oracle Learning. The integration also lets you track learner progress and completions in Oracle Learning, whether the content is accessed through Coursera or directly in Oracle Learning.

1. Make sure that you have an active account with Coursera that allows integrations.
2. Configure single sign in between Oracle Learning and Coursera to ensure the correct exchange of user information for learner progression tracking. You can use any identity provider you want.
3. Map the user name or work email attribute, or both attributes depending on the provider's requirements. The provider includes the user name or work email in the xAPI statements it sends to Oracle Learning to identify the relevant learner.
4. *Enable self-paced learning*.
5. In Oracle, create a job role that includes only the Learning Content Provider duty role--don't include any other duty role. The role lets this account use the necessary Oracle APIs to receive content and completions from Coursera.
    a. Go to **Tools** > **Security Console**.
    b. Click the Roles tab.

> **CAUTION:** If you have any IP restrictions or have enabled location-based access control (LBAC), make sure to enable the job role for access from all IP addresses. Otherwise Aperian will get API authentication failures when sending content to Oracle Learning.

6. Create a user account that you'll use in step 3. Oracle Learning uses the account when querying Coursera to get new and updated content.
    a. Go to **Tools** > **Security Console**.
    b. On the Users tab, add a user account.
    c. Set Associated Person Type to **None**. Make sure the user isn't associated with a person or worker account.
    d. Enter the appropriate user details so you can identify the account. Give the account a meaningful user name, such as **user.coursera**.

    > **Tip:** Coursera uses this user for both content and completion syncs.

    e. Add the job role that you created in step 1.

7. Enable the Coursera external provider.
    a. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
    b. Enter the user account created in step 2.
    c. Select a learning catalog profile that will apply to all imported Coursera learning. The profile identifies who can see and manage the learning.
    d. Optionally configure audience and catalog settings. The settings apply to new content imported after you validate your changes. Changes aren't automatically applied to content imported before you validate these changes.
    e. Validate the configuration.
    f. 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.
8. Contact your Coursera account team and give them the user name created in step 2. In turn, they'll give you this information:
    - The trusted issuer name for their JWT token, it needs to exactly match the value used when configuring JWT.
    - A public certificate so they can authenticate to the Oracle Learning APIs to send content and completion data.
9. Create an Oracle API authentication provider to authenticate incoming requests from Coursera.
    a. Go to **Tools** > **Security Console**.
    b. On the API Authentication tab, create the Oracle API authentication provider.
    c. Edit the API authentication configuration details so that you can enter the trusted issuer name provided by your Coursera account team and select the JWT token type.

    > **CAUTION:** You need to get the trusted issuer name from Coursera and the name that you enter needs to match the value they used when generating the token. Any other name results in authentication errors when Coursera tries to send content.

    d. Save your changes and close the page.
    e. Add a new inbound API authentication public certificate with a unique alias.
    f. Upload the public key (.cer extension file) provided by your Coursera account team.
    g. Save your changes and click **Done**. Your environment can now accept incoming requests from Coursera.
10. If they're not already scheduled because another provider is already enabled or you've been creating and managing your own self-paced learning, schedule these background processes.
    a. Go to **Tools** > **Scheduled Processes**.

Process	Input Parameter	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS	Program Name is OLC-REST	Once per day, after the Load and Synchronize External Course Data process completes	Make new content and updates visible to people in Oracle Learning.
Process Learning Experience Statements	NA	Once per day	Process any learner experience statements that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions	NA	Once per day, after the Load and Synchronize External Course Data process completes	Deactivate content and withdraw active enrollments.

11. If you set the provider content visibility to private, schedule the Reconcile User Groups process to run daily if it's not already scheduled.

Set Up Coursera Integration with Oracle Learning Using OAuth-Based Authentication

Integrate Coursera learning content seamlessly into Oracle Learning. The integration also lets you track learner progress and completions in Oracle Learning, whether the content is accessed through Coursera or directly in Oracle Learning.

1. Make sure that you have an active account with Coursera that allows integrations.
2. Configure single sign in between Oracle Learning and Coursera to ensure the correct exchange of user information for learner progression tracking. You can use any identity provider you want.
3. Map the user name or work email attribute, or both attributes depending on the provider's requirements. The provider includes the user name or work email in the xAPI statements it sends to Oracle Learning to identify the relevant learner.
4. *Enable self-paced learning*.
5. In *Oracle Cloud Infrastructure Identity and Access Management*, generate unique Oracle client credentials for each POD where you're enabling integration.
    - Oracle Client ID
    - Oracle Client secret
    - Token URL or OAuth server URL: it's in the form **https://<your_idcs_domain>/oauth2/v1/token**. You get the `domain` value from the domain overview page, Domain information tab.
    - Scope

    This information lets you authenticate incoming requests from Coursera to track learning completions.

    a. Sign in to the *Oracle Cloud console*.
    b. On the navigation menu, select **Identity & Security** > **Domains**.

    Complete the remaining steps as many times as you have PODs. For example, if you're enabling integration in a development and a production POD, complete steps c -- o twice.

    c. On the Integrated applications tab, *add an application* for Coursera that's confidential and launch the workflow.
    d. In the Add application details step, enter a unique name that includes Coursera for easy identification, such as **Coursera dev** or **Coursera prod**.
    e. Click **Next**.
    f. In the Configure OAuth step, configure the app as a client now.
    g. For authorization, select **Client credentials.**
    h. Click **Next**.
    i. In the Configure policy step, add specific authorized resources that are accessible to the users.
    j. Add either the Oracle Applications Cloud (Fusion) or the Fusion Applications Cloud Service scope, whichever is available. The description shows the scope in the format `<resource audience><resource scope>`, for example, `urn:opc:resource:fa:instsanceid=630113349urn:opc:resource:consumer::all`. Make note of this

scope, which is different for each of your environments, because you'll need to share this information with Coursera.

k. Click **Next** and go with the default settings for the Web tier policy section.
l. Click **Finish**.
m. Close the Add Confidential Application page to open the page for the app you just created.
n. Activate the app.
o. From the OAuth configuration page of your activated app, copy the client ID and client secret values because you'll need to share this information with Coursera.

6. Share this information with Coursera so that they can authenticate xAPIs to send content and tracking information.
   - Oracle Client ID
   - Oracle Client secret
   - Token URL or OAuth server URL: it's in the form **https://<your_idcs_domain>/oauth2/v1/token**. You get the `domain` value from the domain overview page, Domain information tab.
   - Scope
7. In Oracle, 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 Coursera.
   a. Go to **Tools** > **Security Console**.
   b. Click the Roles tab.
8. Configure the Oracle client ID from step 5 as a user account that you'll use in step 9. Oracle Learning uses the account when querying Coursera to get new and updated content.
   a. Go to **Tools** > **Security Console**.
   b. On the Users tab, add a user account.
   c. Set Associated Person Type to **None**. Make sure the user isn't associated with a person or worker account.
   d. Enter the appropriate user details so you can identify the account. Make sure that the user name is the same as the Oracle client ID value. Any discrepancy might lead to an unsuccessful configuration.
   e. Add the job role that you created in step 7.
9. Enable the Coursera external provider.
   a. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
   b. Enter the user account created in step 8. The account is the same as the client ID.
   c. Select a learning catalog profile that will apply to all imported Coursera learning. The profile identifies who can see and manage the learning.
   d. Optionally configure audience and catalog settings. The settings apply to new content imported after you validate your changes. Changes aren't automatically applied to content imported before you validate these changes.
   e. Validate the configuration.
   f. 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.
10. If they're not already scheduled because another provider is already enabled or you've been creating and managing your own self-paced learning, schedule these background processes:
    a. Go to **Tools** > **Scheduled Processes**.

Process	Input Parameter	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS	Program Name is OLC-REST	Once per day, after the Load and Synchronize External Course Data process completes	Make new content and updates visible to people in Oracle Learning.

Process	Input Parameter	Recommended Frequency	Description
Process Learning Experience Statements	NA	Once per day	Process any learner experience statements that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions	NA	Once per day, after the Load and Synchronize External Course Data process completes	Deactivate content and withdraw active enrollments.

11. If you set the provider content visibility to private, schedule the Reconcile User Groups background process to run daily if it's not already scheduled.

How Coursera Learning Types Map to Oracle Self-Paced Learning Types

Neither mapping can be updated.

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

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 Content Details You Can Change

Some Coursera content details can't be changed in Oracle Learning because Coursera maintains authority over its content. Coursera does send content updates to Oracle Learning as it makes changes. Here's what you can and can't change in Oracle Learning.

Can Change	Can't Change
• Visibility • Notification pattern • Oracle Learning catalog visibility dates • Coordinator • Related materials • Additional information	• Content URL • Title • Summary • Description • Instruction languages • Expected effort • Publisher

Can Change	Can't Change
• Skills and qualifications • Topics and community associations • Featured dates	• Instructor • Completion rules • Status • Deactivation date

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.

5 Edflex

Set Up Edflex Integration with Oracle Learning

Integrate Edflex learning content seamlessly into Oracle Learning. The integration also lets you track learner progress and completions in Oracle Learning, whether the content is accessed through Edflex or directly in Oracle Learning.

1. Make sure that you have an active account with Edflex that allows integrations. Contact your Edflex customer success manager to start the Oracle integration setup.
2. Configure single sign in between Oracle Learning and Edflex to ensure the correct exchange of user information for learner progression tracking. You can use any identity provider you want.
3. Map the user name or work email attribute, or both attributes depending on the provider's requirements. The provider includes the user name or work email in the xAPI statements it sends to Oracle Learning to identify the relevant learner.
4. *Enable self-paced learning*.
5. In *Oracle Cloud Infrastructure Identity and Access Management*, generate unique Oracle client credentials for each POD where you're enabling integration.
    - Oracle Client ID
    - Oracle Client secret
    - Token URL or OAuth server URL: it's in the form **https://<your_idcs_domain>/oauth2/v1/token**. You get the `domain` value from the domain overview page, Domain information tab.
    - Scope

    This information lets you authenticate incoming requests from Edflex to track learning completions.

    a. Sign in to the *Oracle Cloud console*.
    b. On the navigation menu, select **Identity & Security** > **Domains**.

    Complete the remaining steps as many times as you have PODs. For example, if you're enabling integration in a development and a production POD, complete steps c -- o twice.

    c. On the Integrated applications tab, *add an application* for Edflex that's confidential and launch the workflow.
    d. In the Add application details step, enter a unique name that includes Edflex for easy identification, such as **Edflex dev** or **Edflex prod**.
    e. Click **Next**.
    f. In the Configure OAuth step, configure the app as a client now.
    g. For authorization, select **Client credentials.**
    h. Click **Next**.
    i. In the Configure policy step, add specific authorized resources that are accessible to the users.
    j. Add the Oracle Applications Cloud (Fusion) scope. The description shows the scope in the format `<resource audience><resource scope>`, for example,

`urn:opc:resource:fa:instsanceid=630113349urn:opc:resource:consumer::all`. Make note of this scope, which is different for each of your environments, because you'll need it to complete step 9.

k. Click **Next** and go with the default settings for the Web tier policy section.
l. Click **Finish**.
m. Close the Add Confidential Application page to open the page for the app you just created.
n. Activate the app.
o. From the OAuth configuration page of your activated app, copy the client ID and client secret values because you need them for step 9. You also use the client ID in step 8.

6. In Oracle, 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 Edflex.
    a. Go to **Tools** > **Security Console**.
    b. Click the Roles tab.
7. Configure the Oracle client ID from step 5 as a user account that you'll use in step 8. Oracle Learning uses the account when querying LinkedIn Learning to get new and updated content.
    a. Go to **Tools** > **Security Console**.
    b. On the Users tab, add a user account.
    c. Set Associated Person Type to **None**. Make sure the user isn't associated with a person or worker account.
    d. Enter the appropriate user details so you can identify the account. Make sure that the user name is the same as the Oracle client ID value. Any discrepancy might lead to an unsuccessful configuration.
    e. Add the job role that you created in step 7.
8. Enable the Edflex external provider.
    a. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
    b. Enter the user account created in step 2.
    c. Select a learning catalog profile that will apply to all imported Edflex learning. The profile identifies who can see and manage the learning.
    d. Optionally configure audience and catalog settings. The settings apply to new content imported after you validate your changes. Changes aren't automatically applied to content imported before you validate these changes.
    e. Validate the configuration.
    f. Optionally change the attribute mappings that you can to map certain Edflex attributes to attributes in Oracle Learning that you might have extended or changed. Not all attribute maps can be changed.
9. If they're not already scheduled because another provider is already enabled or you've been creating and managing your own self-paced learning, schedule these background processes.
    a. Go to **Tools** > **Scheduled Processes**.

Process	Input Parameter	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS	Program Name is OLC-REST	Once per day, after the Load and Synchronize External Course Data process completes	Make new content and updates visible to people in Oracle Learning.
Process Learning Experience Statements	NA	Once per day	Process any learner experience statements that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions	NA	Once per day, after the Load and Synchronize External Course Data process completes	Deactivate content and withdraw active enrollments.

10. If you set the provider content visibility to private, schedule the Reconcile User Groups background process to run daily if it's not already scheduled.

How Edflex Learning Types Map to Oracle Self-Paced Learning Types

Edflex sends completions in near real time.

Edflex Learning Type	Oracle Self-Paced Learning Type	Can update mapping?	Completion Rule
Course	Online Course	No	Content handles completion
Video	Video	No	Content handles completion
Article	Article	No	Content handles completion
Podcast	Podcast	No	Content handles completion
Book	Book	No	Content handles completion
Top voice	Learning Path	Yes	Require content completion and learner confirmation
Interactive	Online Course	Yes	Content handles completion
Certificate	Assessment	Yes	Require content completion and learner confirmation
Assessment	Assessment	Yes	Content handles completion
Lab	Assessment	Yes	Content handles completion
Program	Learning Path	N	Content handles completion
Role-play	Assessment	Yes	Content handles completion

Edflex Content Details You Can Change

Some Edflex content details can't be changed in Oracle Learning because Edflex maintains authority over its content. Edflex does send content updates to Oracle Learning as it makes changes. Here's what you can and can't change in Oracle Learning.

Can Change	Can't Change
• Visibility • Notification pattern	• Content URL • Title • Summary

Can Change	Can't Change
• Oracle Learning catalog visibility dates • Coordinator • Related materials • Additional information • Skills and qualifications • Topics and community associations • Featured dates	• Description • Instruction languages • Expected effort • Publisher • Instructor • Completion rules • Status • Deactivation date

Handling Edflex Learning Completions

Here's what happens between Edflex and Oracle Learning when a learner starts and completes a Edflex content.

When a learner start a supported learning, Edflex 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.

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

After completing an enrollment, a learner can browse the courses content, but Edflex doesn't support retaking the course. So Edflex won't send any xAPI statements after the first completion.

> **Note:** For Top-voice and Certificate content types, Edflex doesn't send any xAPI statement on start or complete. So the learner needs to manually mark their learning complete on their Oracle Learning enrollment page.

6 getAbstract

Set Up getAbstract Integration with Oracle Learning

Integrate getAbstract learning content seamlessly into Oracle Learning. The integration also lets you track learner progress and completions in Oracle Learning, whether the content is accessed through getAbstract or directly in Oracle Learning.

1. Make sure that you have an active account with getAbstract that allows integrations.
2. Configure single sign in between Oracle Learning and getAbstract to ensure the correct exchange of user information for learner progression tracking. You can use any identity provider you want.
3. Map the user name or work email attribute, or both attributes depending on the provider's requirements. The provider includes the user name or work email in the xAPI statements it sends to Oracle Learning to identify the relevant learner.
4. *Enable self-paced learning*.
5. In Oracle, create a job role that includes only the Learning Content Provider duty role--don't include any other duty role. The role lets this account use the necessary Oracle APIs to receive content and completions from getAbstract.
    a. Go to **Tools** > **Security Console**.
    b. Click the Roles tab.

> **CAUTION:** If you have any IP restrictions or have enabled location-based access control (LBAC), make sure to enable the job role for access from all IP addresses. Otherwise getAbstract will get API authentication failures when sending content to Oracle Learning.

6. Create a user account that you'll use in step 3. Oracle Learning uses the account when querying getAbstract to get new and updated content.
    a. Go to **Tools** > **Security Console**.
    b. On the Users tab, add a user account.
    c. Set Associated Person Type to **None**. Make sure the user isn't associated with a person or worker account.
    d. Enter the appropriate user details so you can identify the account. Give the account a meaningful user name, such as **user.getAbstract**.

    > **Tip:** getAbstract uses this user for both content and completion syncs.

    e. Add the job role that you created in step 1.
7. Enable the getAbstract external provider.
    a. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
    b. Enter the user account created in step 2.
    c. Select a learning catalog profile that will apply to all imported getAbstract learning. The profile identifies who can see and manage the learning.
    d. Optionally configure audience and catalog settings. The settings apply to new content imported after you validate your changes. Changes aren't automatically applied to content imported before you validate these changes.
    e. Validate the configuration.
    f. Optionally change the attribute mappings. These let you map certain getAbstract attributes to attributes in Oracle Learning that you might have extended or changed.

8. Contact your getAbstract account team and give them the user name created in step 2. In turn, they'll give you this information:
    - The trusted issuer name for their JWT token, it needs to exactly match the value used when configuring JWT.
    - A public certificate so they can authenticate to the Oracle Learning APIs to send content and completion data.
9. Create an Oracle API authentication provider to authenticate incoming requests from getAbstract.
    a. Go to **Tools** > **Security Console**.
    b. On the API Authentication tab, create the Oracle API authentication provider.
    c. Edit the API authentication configuration details so that you can enter the trusted issuer name provided by your getAbstract account team and select the JWT token type.

    > **CAUTION:** You need to get the trusted issuer name from getAbstract and the name that you enter needs to match the value they used when generating the token. Any other name results in authentication errors when getAbstract tries to send content.

    d. Save your changes and close the page.
    e. Add a new inbound API authentication public certificate with a unique alias.
    f. Upload the public key (.cer extension file) provided by your getAbstract account team.
    g. Save your changes and click **Done**. Your environment can now accept incoming requests from getAbstract.
10. If they're not already scheduled because another provider is already enabled or you've been creating and managing your own self-paced learning, schedule these background processes.
    a. Go to **Tools** > **Scheduled Processes**.

Process	Input Parameter	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS	Program Name is OLC-REST	Once per day, after the Load and Synchronize External Course Data process completes	Make new content and updates visible to people in Oracle Learning.
Process Learning Experience Statements	NA	Once per day	Process any learner experience statements that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions	NA	Once per day, after the Load and Synchronize External Course Data process completes	Deactivate content and withdraw active enrollments.

11. If you set the provider content visibility to private, schedule the Reconcile User Groups background process to run daily if it's not already scheduled.

How getAbstract Learning Types Map to Oracle Self-Paced Learning Types

getAbstract sends completions in near real time.

getAbstract Learning Type	Oracle Self-Paced Learning Type	Can update mapping?
Book Summary	Book	Yes, to Document, Article, or Audiobook
Summary	Article	Yes, to Document, Book, or Audiobook
Actionable	Online Course	No

getAbstract Content Details You Can Change

Some getAbstract content details can't be changed in Oracle Learning because getAbstract maintains authority over its content. getAbstract does send content updates to Oracle Learning as it makes changes. Here's what you can and can't change in Oracle Learning.

Can Change	Can't Change
• Visibility • Notification pattern • Oracle Learning catalog visibility dates • Coordinator • Related materials • Additional information • Skills and qualifications • Topics and community associations • Featured dates	• Content URL • Title • Summary • Description • Instruction languages • Expected effort • Publisher • Instructor • Completion rules • Status • Deactivation date

Handling getAbstract Learning Completions

Here's what happens between getAbstract and Oracle Learning when a learner starts and completes a getAbstract content.

For Actionable type learning, getAbstract sends xAPI statements to Oracle when learner starts the content.

- 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.

getAbstract doesn't send any xAPI statements while the learner is working on the content.

For summary and actionable learning, getAbstract sends xAPI completions to Oracle when the learner completes the learning. When Oracle Learning gets the statements, it updates the enrollment to the Completed status in near real time. getAbstract sends only one completion, even if the learner completes the learning again.

7 Go1

Set Up Go1 Integration with Oracle Learning Using JWT-Based Authentication

Integrate Go1 learning content seamlessly into Oracle Learning. The integration also lets you track learner progress and completions in Oracle Learning, whether the content is accessed through Go1 or directly in Oracle Learning.

1. Make sure that you have an active account with Go1 that allows integrations.
2. Configure single sign in between Oracle Learning and Go1 to ensure the correct exchange of user information for learner progression tracking. You can use any identity provider you want.
3. Map the user name or work email attribute, or both attributes depending on the provider's requirements. The provider includes the user name or work email in the xAPI statements it sends to Oracle Learning to identify the relevant learner.
4. *Enable self-paced learning*.
5. In Oracle, create a job role that includes only the Learning Content Provider duty role--don't include any other duty role. The role lets this account use the necessary Oracle APIs to receive content and completions from Go1.
    a. Go to **Tools** > **Security Console**.
    b. Click the Roles tab.

> **CAUTION:** If you have any IP restrictions or have enabled location-based access control (LBAC), make sure to enable the job role for access from all IP addresses. Otherwise Go1 will get API authentication failures when sending content to Oracle Learning.

6. Create a user account that you'll use in step 3. Oracle Learning uses the account when querying Go1 to get new and updated content.
    a. Go to **Tools** > **Security Console**.
    b. On the Users tab, add a user account.
    c. Set Associated Person Type to **None**. Make sure the user isn't associated with a person or worker account.
    d. Enter the appropriate user details so you can identify the account. Give the account a meaningful user name, such as **user.go1**.

    > **Tip:** Go1 uses this user for both content and completion syncs.

    e. Add the job role you created in step 1.

7. Enable the Go1 external provider.
    a. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
    b. Enter the user account created in step 2.
    c. Select a learning catalog profile that will apply to all imported Go1 learning. The profile identifies who can see and manage the learning.
    d. Optionally configure audience and catalog settings. The settings apply to new content imported after you validate your changes. Changes aren't automatically applied to content imported before you validate these changes.
    e. Validate the configuration.
    f. Optionally change the attribute mappings. These let you map certain Go1 attributes to attributes in Oracle Learning that you might have extended or changed.
8. Contact your Go1 customer success manager or support@go1.com and give them the user name created in step 2. In turn, they'll give you this information:
    - The trusted issuer name for their JWT token, it needs to exactly match the value used when configuring JWT.
    - A public certificate so they can authenticate to the Oracle Learning APIs to send content and completion data.
9. Create an Oracle API authentication provider to authenticate incoming requests from Go1.
    a. Go to **Tools** > **Security Console**.
    b. On the API Authentication tab, create the Oracle API authentication provider.
    c. Edit the API authentication configuration details so that you can enter the trusted issuer name provided by your Go1 customer success manager or support@go1.com and select the JWT token type.

        > **CAUTION:** You need to get the trusted issuer name from Go1 and the name that you enter needs to match the value they used when generating the token. Any other name results in authentication errors when Go1 tries to send content.

    d. Save your changes and close the page.
    e. Add a new inbound API authentication public certificate with a unique alias.
    f. Upload the public key (.cer extension file) provided by your Go1 customer success manager or support@go1.com.
    g. Save your changes and click **Done**. Your environment can now accept incoming requests from Go1.
10. If they're not already scheduled because another provider is already enabled or you've been creating and managing your own self-paced learning, schedule these background processes.
    a. Go to **Tools** > **Scheduled Processes**.

Process	Input Parameter	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS	Program Name is OLC-REST	Once per day, after the Load and Synchronize External Course Data process completes	Make new content and updates visible to people in Oracle Learning.
Process Learning Experience Statements	NA	Once per day	Process any learner experience statements that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions	NA	Once per day, after the Load and Synchronize External Course Data process completes	Deactivate content and withdraw active enrollments.

11. If you set the provider content visibility to private, schedule the Reconcile User Groups background process to run daily if it's not already scheduled.

Set Up Go1 Integration with Oracle Learning Using OAuth-Based Authentication

Integrate Go1 learning content seamlessly into Oracle Learning. The integration also lets you track learner progress and completions in Oracle Learning, whether the content is accessed through Go1 or directly in Oracle Learning.

1. Make sure that you have an active account with Go1 that allows integrations.
2. Configure single sign in between Oracle Learning and Go1 to ensure the correct exchange of user information for learner progression tracking. You can use any identity provider you want.
3. Map the user name or work email attribute, or both attributes depending on the provider's requirements. The provider includes the user name or work email in the xAPI statements it sends to Oracle Learning to identify the relevant learner.
4. *Enable self-paced learning*.
5. In *Oracle Cloud Infrastructure Identity and Access Management*, generate unique Oracle client credentials for each POD where you're enabling integration.
    - Oracle Client ID
    - Oracle Client secret
    - Token URL or OAuth server URL: it's in the form **https://<your_idcs_domain>/oauth2/v1/token**. You get the `domain` value from the domain overview page, Domain information tab.
    - Scope

    This information lets you authenticate incoming requests from Go1 to track learning completions.

    a. Sign in to the *Oracle Cloud console*.
    b. On the navigation menu, select **Identity & Security** > **Domains**.

    Complete the remaining steps as many times as you have PODs. For example, if you're enabling integration in a development and a production POD, complete steps c -- o twice.

    c. On the Integrated applications tab, *add an application* for Go1 that's confidential and launch the workflow.
    d. In the Add application details step, enter a unique name that includes Go1 for easy identification, such as **Go1 dev** or **Go1 prod**.
    e. Click **Next**.
    f. In the Configure OAuth step, configure the app as a client now.
    g. For authorization, select **Client credentials.**
    h. Click **Next**.
    i. In the Configure policy step, add specific authorized resources that are accessible to the users.
    j. Add either the Oracle Applications Cloud (Fusion) or the Fusion Applications Cloud Service scope, whichever is available. The description shows the scope in the format `<resource audience><resource scope>`, for example, `urn:opc:resource:fa:instsanceid=630113349urn:opc:resource:consumer::all`. Make note of this

scope, which is different for each of your environments, because you'll need to share this information with Go1.

k. Click **Next** and go with the default settings for the Web tier policy section.
l. Click **Finish**.
m. Close the Add Confidential Application page to open the page for the app you just created.
n. Activate the app.
o. From the OAuth configuration page of your activated app, copy the client ID and client secret values because you'll need to share this information with Go1.

6. Share this information with Go1 so that they can authenticate xAPIs to send content and tracking information.
   - Oracle Client ID
   - Oracle Client secret
   - Token URL or OAuth server URL: it's in the form **https://<your_idcs_domain>/oauth2/v1/token**. You get the `domain` value from the domain overview page, Domain information tab.
   - Scope
7. In Oracle, 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 Go1.
   a. Go to **Tools** > **Security Console**.
   b. Click the Roles tab.
8. Configure the Oracle client ID from step 5 as a user account that you'll use in step 9. Oracle Learning uses the account when querying Go1 to get new and updated content.
   a. Go to **Tools** > **Security Console**.
   b. On the Users tab, add a user account.
   c. Set Associated Person Type to **None**. Make sure the user isn't associated with a person or worker account.
   d. Enter the appropriate user details so you can identify the account. Make sure that the user name is the same as the Oracle client ID value. Any discrepancy might lead to an unsuccessful configuration.
   e. Add the job role that you created in step 7.
9. Enable the Go1 external provider.
   a. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
   b. Enter the user account created in step 8. The account is the same as the client ID.
   c. Select a learning catalog profile that will apply to all imported Go1 learning. The profile identifies who can see and manage the learning.
   d. Optionally configure audience and catalog settings. The settings apply to new content imported after you validate your changes. Changes aren't automatically applied to content imported before you validate these changes.
   e. Validate the configuration.
   f. Optionally change the attribute mappings that you can to map certain Go1 attributes to attributes in Oracle Learning that you might have extended or changed. Not all attribute maps can be changed.
10. If they're not already scheduled because another provider is already enabled or you've been creating and managing your own self-paced learning, schedule these background processes:
    a. Go to **Tools** > **Scheduled Processes**.

Process	Input Parameter	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS	Program Name is OLC-REST	Once per day, after the Load and Synchronize External Course Data process completes	Make new content and updates visible to people in Oracle Learning.

Process	Input Parameter	Recommended Frequency	Description
Process Learning Experience Statements	NA	Once per day	Process any learner experience statements that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions	NA	Once per day, after the Load and Synchronize External Course Data process completes	Deactivate content and withdraw active enrollments.

11. If you set the provider content visibility to private, schedule the Reconcile User Groups background process to run daily if it's not already scheduled.

How Go1 Learning Types Map to Oracle Self-Paced Learning Types

Here's how:

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

Go1 Content Details You Can Change

Some Go1 content details can't be changed in Oracle Learning because Go1 maintains authority over its content. Go1 does send content updates to Oracle Learning as it makes changes. Here's what you can and can't change in Oracle Learning.

Can Change	Can't Change
• Visibility • Notification pattern	• Content URL • Title

Can Change	Can't Change
• Oracle Learning catalog visibility dates • Coordinator • Related materials • Additional information • Skills and qualifications • Topics and community associations • Featured dates	• Summary • Description • Instruction languages • Expected effort • Publisher • Instructor • Completion rules • Status • Deactivation date

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.

8 Harvard Business Publishing

Set Up Harvard Business Publishing Integration with Oracle Learning Using JWT-Based Authentication

Integrate Harvard Business Publishing learning content seamlessly into Oracle Learning. The integration also lets you track learner progress and completions in Oracle Learning, whether the content is accessed through Harvard Business Publishing or directly in Oracle Learning.

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

1. Make sure that you have an active account with Harvard Business Publishing that allows integrations.
2. Configure single sign in between Oracle Learning and Harvard Business Publishing to ensure the correct exchange of user information for learner progression tracking. You can use any identity provider you want.
3. Map the user name or work email attribute, or both attributes depending on the provider's requirements. The provider includes the user name or work email in the xAPI statements it sends to Oracle Learning to identify the relevant learner.
4. *Enable self-paced learning*.
5. In Oracle, create a job role that includes only the Learning Content Provider duty role--don't include any other 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.

   > **CAUTION:** If you have any IP restrictions or have enabled location-based access control (LBAC), make sure to enable the job role for access from all IP addresses. Otherwise Harvard Business Publishing will get API authentication failures when sending content to Oracle Learning.

6. Create a user account that you'll use in step 3. Oracle Learning uses the account when querying Harvard Business Publishing to get new and updated content.
   a. On the **Tools** > **Security Console**, Users tab, click **Add User Account**.
   b. Set Associated Person Type to **None**. Make sure the user isn't associated with a person or worker account.
   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**.

      > **Tip:** Harvard Business Publishing uses this user for both content and completion syncs.

   d. Add the job role you created in step 1.

7. Enable the Harvard Business Publishing external provider.
    a. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
    b. Enter the user account created in step 2.
    c. 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.
    d. Optionally configure audience and catalog settings. The settings apply to new content imported after you validate your changes. Changes aren't automatically applied to content imported before you validate these changes.
    e. Validate the configuration.
    f. Optionally change the attribute mappings between certain Harvard Business Publishing attributes and Oracle Learning attributes you might have extended or changed.
8. Contact your Harvard Business Publishing account team and give them the user name created in step 2. In turn, they'll give you this information:
    - The trusted issuer name for their JWT token, it needs to exactly match the value used when configuring JWT.
    - A public certificate so they can authenticate to the Oracle Learning APIs to send content and completion data
9. Create an Oracle API authentication provider to authenticate incoming requests from Harvard Business Publishing.
    a. Go to **Tools** > **Security Console** API Authentication tab.
    b. Create the Oracle API authentication provider.
    c. Edit the API authentication configuration details so that you can enter the trusted issuer name provided by your Harvard Business Publishing account team and select the JWT token type.

        > **CAUTION:** You need to get the trusted issuer name from Harvard Business Publishing and the name that you enter needs to match the value they used when generating the token. Any other name results in authentication errors when Harvard Business Publishing tries to send content.

    d. Save your changes and close the page.
    e. Add a new inbound API authentication public certificate with a unique alias.
    f. Upload the public key (.cer extension file) provided by your Harvard Business Publishing account team.
    g. Save your changes and click **Done**. Your environment can now accept incoming requests from Harvard Business Publishing.
10. If they're not already scheduled because another provider is already enabled or you've been creating and managing your own self-paced learning, schedule these background processes. Use the **Tools** > **Scheduled Processes** task:

Process	Input Parameter	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS	Program Name is OLC-REST	Once per day, after the Load and Synchronize External Course Data process completes	Make new content and updates visible to people in Oracle Learning.
Process Learning Experience Statements	NA	Once per day	Process any learner experience statements that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions	NA	Once per day, after the Load and Synchronize External Course Data process completes	Deactivate content and withdraw active enrollments.

11. If you set the provider content visibility to private, schedule the Reconcile User Groups process to run daily if it's not already scheduled.
    a. Go to **Tools** > **Scheduled Processes.**

Set Up Harvard Business Publishing Integration with Oracle Learning Using OAuth-Based Authentication

Integrate Harvard Business Publishing learning content seamlessly into Oracle Learning. The integration also lets you track learner progress and completions in Oracle Learning, whether the content is accessed through Harvard Business Publishing or directly in Oracle Learning.

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

1. Make sure that you have an active account with Harvard Business Publishing that allows integrations.
2. Configure single sign in between Oracle Learning and Harvard Business Publishing to ensure the correct exchange of user information for learner progression tracking. You can use any identity provider you want.
3. Map the user name or work email attribute, or both attributes depending on the provider's requirements. The provider includes the user name or work email in the xAPI statements it sends to Oracle Learning to identify the relevant learner.
4. *Enable self-paced learning*.

5. In *Oracle Cloud Infrastructure Identity and Access Management*, generate unique Oracle client credentials for each POD where you're enabling integration.
    - Oracle Client ID
    - Oracle Client secret
    - Token URL or OAuth server URL: it's in the form **https://<your_idcs_domain>/oauth2/v1/token**. You get the `domain` value from the domain overview page, Domain information tab.
    - Scope

    This information lets you authenticate incoming requests from Harvard Business Publishing to track learning completions.

    a. Sign in to the *Oracle Cloud console*.
    b. On the navigation menu, select **Identity & Security** > **Domains**.

    Complete the remaining steps as many times as you have PODs. For example, if you're enabling integration in a development and a production POD, complete steps c -- o twice.

    c. On the Integrated applications tab, *add an application* for Harvard Business Publishing that's confidential and launch the workflow.
    d. In the Add application details step, enter a unique name that includes Harvard Business Publishing for easy identification, such as **Harvard Business Publishing dev** or **Harvard Business Publishing prod**.
    e. Click **Next**.
    f. In the Configure OAuth step, configure the app as a client now.
    g. For authorization, select **Client credentials.**
    h. Click **Next**.
    i. In the Configure policy step, add specific authorized resources that are accessible to the users.
    j. Add either the Oracle Applications Cloud (Fusion) or the Fusion Applications Cloud Service scope, whichever is available. The description shows the scope in the format `<resource audience><resource scope>`, for example, `urn:opc:resource:fa:instsanceid=630113349urn:opc:resource:consumer::all`. Make note of this scope, which is different for each of your environments, because you'll need to share this information with Coursera.
    k. Click **Next** and go with the default settings for the Web tier policy section.
    l. Click **Finish**.
    m. Close the Add Confidential Application page to open the page for the app you just created.
    n. Activate the app.
    o. From the OAuth configuration page of your activated app, copy the client ID and client secret values because you'll need to share this information with Harvard Business Publishing.
6. Share this information with Harvard Business Publishing so that they can authenticate xAPIs to send content and tracking information.
    - Oracle Client ID
    - Oracle Client secret
    - Token URL or OAuth server URL: it's in the form **https://<your_idcs_domain>/oauth2/v1/token**. You get the `domain` value from the domain overview page, Domain information tab.
    - Scope

7. In Oracle, create a job role that includes only the Learning Content Provider duty role--don't include any other 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.

   > **CAUTION:** If you have any IP restrictions or have enabled location-based access control (LBAC), make sure to enable the job role for access from all IP addresses. Otherwise Harvard Business Publishing will get API authentication failures when sending content to Oracle Learning.

8. Configure the Oracle client ID from step 5 as a user account that you'll use in step 9. Oracle Learning uses the account when querying Harvard Business Publishing to get new and updated content.
   a. Go to **Tools** > **Security Console**.
   b. On the Users tab, add a user account.
   c. Set Associated Person Type to **None**. Make sure the user isn't associated with a person or worker account.
   d. Enter the appropriate user details so you can identify the account. Make sure that the user name is the same as the Oracle client ID value. Any discrepancy might lead to an unsuccessful configuration.
   e. Add the job role that you created in step 7.
9. Enable the Harvard Business Publishing external provider.
   a. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
   b. Enter the user account created in step 8.
   c. 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.
   d. Optionally configure audience and catalog settings. The settings apply to new content imported after you validate your changes. Changes aren't automatically applied to content imported before you validate these changes.
   e. Validate the configuration.
   f. Optionally change the attribute mappings between certain Harvard Business Publishing attributes and Oracle Learning attributes you might have extended or changed.
10. If they're not already scheduled because another provider is already enabled or you've been creating and managing your own self-paced learning, schedule these background processes.
    a. Go to **Tools** > **Scheduled Processes**.

Process	Input Parameter	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS	Program Name is OLC-REST	Once per day, after the Load and Synchronize External Course Data process completes	Make new content and updates visible to people in Oracle Learning.
Process Learning Experience Statements	NA	Once per day	Process any learner experience statements that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions	NA	Once per day, after the Load and Synchronize External Course Data process completes	Deactivate content and withdraw active enrollments.

11. If you set the provider content visibility to private, schedule the Reconcile User Groups process to run daily if it's not already scheduled.

How Harvard Business Publishing Learning Types Map to Oracle Learning Types

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

Harvard Business Publishing Learning Type	Oracle Self-Paced 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	

Harvard Business Publishing Content Details You Can Change

Some Harvard Business Publishing content details can't be changed in Oracle Learning because Harvard Business Publishing maintains authority over its content. Harvard Business Publishing does send content updates to Oracle Learning as it makes changes.

Here's what you can and can't change in Oracle Learning.

Can Change	Can't Change
• Visibility • Notification pattern	• Content URL • Title • Summary

Can Change	Can't Change
• Oracle Learning catalog visibility dates • Coordinator • Related materials • Additional information • Skills and qualifications • Topics and community associations • Featured dates	• Description • Instruction languages • Expected effort • Publisher • Instructor • Completion rules • Status • Deactivation date

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.

9 Intuition

Set Up Intuition Integration with Oracle Learning

Integrate Intuition learning content seamlessly into Oracle Learning. The integration also lets you track learner progress and completions in Oracle Learning, whether the content is accessed through Intuition or directly in Oracle Learning.

1. Make sure that you have an active account with Intuition that allows integrations. For help with Intuition setup, contact your Intuition account manager.
2. Configure single sign in between Oracle Learning and Intuition to ensure the correct exchange of user information for learner progression tracking. You can use any identity provider you want.
3. Map the user name or work email attribute, or both attributes depending on the provider's requirements. The provider includes the user name or work email in the xAPI statements it sends to Oracle Learning to identify the relevant learner.
4. *Enable self-paced learning*.
5. In *Oracle Cloud Infrastructure Identity and Access Management*, generate unique Oracle client credentials for each POD where you're enabling integration.
    - Oracle Client ID
    - Oracle Client secret
    - Token URL or OAuth server URL: it's in the form **https://<your_idcs_domain>/oauth2/v1/token**. You get the `domain` value from the domain overview page, Domain information tab.
    - Scope

    This information lets you authenticate incoming requests from Intuition to track learning completions.

    a. Sign in to the *Oracle Cloud console*.
    b. On the navigation menu, select **Identity & Security** > **Domains**.

    Complete the remaining steps as many times as you have PODs. For example, if you're enabling integration in a development and a production POD, complete steps c -- o twice.

    c. On the Integrated applications tab, *add an application* for Intuition that's confidential and launch the workflow.
    d. In the Add application details step, enter a unique name that includes Intuition for easy identification, such as **Intuition dev** or **Intuition prod**.
    e. Click **Next**.
    f. In the Configure OAuth step, configure the app as a client now.
    g. For authorization, select **Client credentials.**
    h. Click **Next**.
    i. In the Configure policy step, add specific authorized resources that are accessible to the users.
    j. Add the Oracle Applications Cloud (Fusion) scope. The description shows the scope in the format `<resource audience><resource scope>`, for example,

`urn:opc:resource:fa:instsanceid=630113349urn:opc:resource:consumer::all`. Make note of this scope, which is different for each of your environments, because you'll need it to complete step 9.

k. Click **Next** and go with the default settings for the Web tier policy section.
l. Click **Finish**.
m. Close the Add Confidential Application page to open the page for the app you just created.
n. Activate the app.
o. From the OAuth configuration page of your activated app, copy the client ID and client secret values because you need them for step 9. You also use the client ID in step 7.

6. 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 Intuition.
   a. Go to **Tools** > **Security Console**.
   b. Click the Roles tab.
7. Configure the Oracle client ID from step 5 as a user account that you'll use in step 9. Oracle Learning uses the account when querying Intuition to get new and updated content.
   a. Go to **Tools** > **Security Console**.
   b. On the Users tab, add a user account.
   c. Set Associated Person Type to **None**. Make sure the user isn't associated with a person or worker account.
   d. Enter the appropriate user details so you can identify the account. Make sure that the user name is the same as the Oracle client ID value. Any discrepancy might lead to an unsuccessful configuration.
   e. Add the job role that you created in step 6.
8. Share this information with your Intuition account manager, so they can share it with their integration teams:
   - Oracle Client ID
   - Oracle Client Secret
   - Scope
   - Token URL
9. In Oracle Learning, enable the Intuition external provider.
   a. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
   b. Enter the Intuition Client ID and Client Secret credentials for the provider client ID and secret.
   c. For user name, search for and select the Oracle Client ID created in step 5.
   d. Select a learning catalog profile that will apply to all imported Intuition content. The profile identifies who can see and manage the learning.
   e. Optionally configure audience and catalog settings. The settings apply to new content imported after you validate your changes. Changes aren't automatically applied to content imported before you validate these changes.
   f. Validate the configuration.
   g. Optionally change the attribute mappings. These let you map certain Intuition attributes to attributes in Oracle Learning that you might have extended or changed.
10. If they're not already scheduled because another provider is already enabled or you've been creating and managing your own self-paced learning, schedule these background processes:
    a. Go to **Tools** > **Scheduled Processes**.

Process	Input Parameter	Recommended Frequency	Description
Load and Synchronize External Course Data	Force Reload is No	Once per day	Get content updates - New content

Process	Input Parameter	Recommended Frequency	Description
			○ Updates to existing content ○ Content retirements
ESS job to run Bulk ingest to OSCS	Program Name is OLC-REST	Once per day, after the Load and Synchronize External Course Data process completes	Make new content and updates visible to people in Oracle Learning.
Process Learning Experience Statements	NA	Once per day	Process any learner experience statements that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions	NA	Once per day, after the Load and Synchronize External Course Data process completes	Deactivate content and withdraw active enrollments.

11. If you set the provider content visibility to private, schedule the Reconcile User Groups background process to run daily if it's not already scheduled.

How Intuition Learning Types Map to Oracle Self-Paced Learning Types

Here's how:

Intuition Learning Type	Oracle Learning Type	Can Update Mapping?	Learner Completion
Course	Online Course	No	Automatic when completed in Intuition
Assessment	Assessment	No	Automatic when completed in Intuition

Intuition Learning Content Details You Can Change

Some Intuition learning content details can't be changed in Oracle Learning because Intuition maintains authority over its content. Intuition does send content updates to Oracle Learning as it makes changes.

Here's what you can and can't change in Oracle Learning.

Can Change	Can't Change
• Visibility • Notification pattern • Oracle Learning catalog visibility dates	• Content URL • Title • Summary • Description

Can Change	Can't Change
• Coordinator • Related materials • Additional information • Skills and qualifications • Topics and community associations • Featured dates	• Instruction languages • Expected effort • Publisher • Instructor • Completion rules • Status • Deactivation date

Handling Intuition Learning Completions

Here's what happens between Intuition and Oracle Learning when a learner starts and completes an Intuition content.

When a learner completes a course, Intuition sends xAPI statements indicating the completion. The statements are sent in near real time.

- If the learner isn't already enrolled through Oracle Learning, Oracle Learning creates their enrollment with completed status.
- If the learner is already enrolled, their Oracle Learning enrollment will be updated to completed.

Intuition doesn't send any xAPI statements when learner starts content or while the learner is working on the content. When Oracle Learning gets the statements, it updates the learner's enrollment to the Completed status.

After completing an enrollment, a learner can retake the course or assessment. Intuition will send other completion for each learner retake and Oracle Learning will generate a new enrollment.

10 LinkedIn Learning

Set Up LinkedIn Learning Integration with Oracle Learning

Integrate LinkedIn Learning learning content seamlessly into Oracle Learning. The integration also lets you track learner progress and completions in Oracle Learning, whether the content is accessed through LinkedIn Learning or directly in Oracle Learning.

1. Make sure that you have an active account with LinkedIn Learning that allows integrations.
2. Configure single sign in between Oracle Learning and LinkedIn Learning to ensure the correct exchange of user information for learner progression tracking. You can use any identity provider you want.
3. Map the user name or work email attribute, or both attributes depending on the provider's requirements. The provider includes the user name or work email in the xAPI statements it sends to Oracle Learning to identify the relevant learner.
4. *Enable self-paced learning*.
5. *Set up the LinkedIn Learning app* to generate a client app and credentials using this information:

Property	Value
Application Name	Enter a suitable name for your Oracle Learning content integration.
Application Description	Enter a suitable description for your Oracle Learning content integration.
Choose keys	Select the **Content** checkbox.

When you finish, you should have these credentials:

- LinkedIn Learning Client ID
- LinkedIn Learning Client Secret

6. In *Oracle Cloud Infrastructure Identity and Access Management*, generate unique Oracle client credentials for each POD where you're enabling integration.
    - Oracle Client ID
    - Oracle Client secret
    - Token URL or OAuth server URL: it's in the form **https://<your_idcs_domain>/oauth2/v1/token**. You get the `domain` value from the domain overview page, Domain information tab.
    - Scope

    This information lets you authenticate incoming requests from LinkedIn Learning to track learning completions.

    a. Sign in to the *Oracle Cloud console*.
    b. On the navigation menu, select **Identity & Security** > **Domains**.

    Complete the remaining steps as many times as you have PODs. For example, if you're enabling integration in a development and a production POD, complete steps c -- o twice.

    c. On the Integrated applications tab, *add an application* for LinkedIn Learning that's confidential and launch the workflow.
    d. In the Add application details step, enter a unique name that includes LinkedIn for easy identification, such as **LinkedIn dev** or **LinkedIn prod**.
    e. Click **Next**.
    f. In the Configure OAuth step, configure the app as a client now.
    g. For authorization, select **Client credentials.**
    h. Click **Next**.
    i. In the Configure policy step, add specific authorized resources that are accessible to the users.
    j. Add either the Oracle Applications Cloud (Fusion) or the Fusion Applications Cloud Service scope, whichever is available. The description shows the scope in the format `<resource audience><resource scope>`, for example, `urn:opc:resource:fa:instsanceid=630113349urn:opc:resource:consumer::all`. Make note of this scope, which is different for each of your environments, because you'll need to share this information with Coursera.
    k. Click **Next** and go with the default settings for the Web tier policy section.
    l. Click **Finish**.
    m. Close the Add Confidential Application page to open the page for the app you just created.
    n. Activate the app.
    o. From the OAuth configuration page of your activated app, copy the client ID and client secret values because you need them for step 9. You also use the client ID in step 8.
7. 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 LinkedIn Learning.
    a. Go to **Tools** > **Security Console**.
    b. Click the Roles tab.
8. Configure the Oracle client ID from step 5 as a user account that you'll use in step 9. Oracle Learning uses the account when querying LinkedIn Learning to get new and updated content.
    a. Go to **Tools** > **Security Console**.
    b. On the Users tab, add a user account.
    c. Set Associated Person Type to **None**. Make sure the user isn't associated with a person or worker account.
    d. Enter the appropriate user details so you can identify the account. Make sure that the user name is the same as the Oracle client ID value. Any discrepancy might lead to an unsuccessful configuration.
    e. Add the job role that you created in step 7.

9. In LinkedIn Learning, *set up the xAPI integration* using this information

Property	Value	Comments
Integration Name	Any meaningful name for your Oracle Learning integration	
User Type	Email	Included in xAPI statements sent by LinkedIn Learning, Oracle Learning uses the email to identify the appropriate learner.
OAuth Server URL	OAuth token URL obtained in step 5.	Gets the access token using client credentials. It's in the format **`https://idcs-a79107525a3e47319c208830b3cfc15a.identity.oraclecloud.com/oauth2/v1/token`** The URL needs to be unique to each POD where you enable the integration.
Tenant Server URL	**`https://<hostname>/hcmRestApi/redwood/xAPI/statements`** Where **`hostname`** is for your Oracle Learning environment.	If the app URL is **`https://fa-eodv-test-saasfaprod1.fa.ocs.oraclecloud.com/fscmUI/faces/FuseWelcome`**, **`hostname`** should be **`fa-eodv-test-saasfaprod1.fa.ocs.oraclecloud.com`**. The tenant server URL would then be: **`https://fa-eodv-test-saasfaprod1.fa.ocs.oraclecloud.com/hcmRestApi/redwood/xAPI/statements`**
Client ID	Oracle Client ID obtained in step 5.	These credentials need to be unique for each POD where you enable the integration.
Client Secret	Oracle Client Secret obtained in step 5.	
Scope	Scope obtained in step 5.	Needed for integration to work, even though its shown as optional.
Course Completions	Select	Leave Course Progress unchecked because the integration doesn't support it.
Learning Path Completions		
Video Completions		

10. In Oracle Learning, enable the LinkedIn Learning external provider.
    a. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
    b. Enter the LinkedIn Learning Client ID and Client Secret credentials for the provider client ID and secret.
    c. For user name, search for and select the Oracle Client ID created in step 5.
    d. Select a learning catalog profile that will apply to all imported LinkedIn Learning content. The profile identifies who can see and manage the learning.
    e. Optionally configure audience and catalog settings. The settings apply to new content imported after you validate your changes. Changes aren't automatically applied to content imported before you validate these changes.
    f. Validate the configuration.
    g. Optionally change the attribute mappings. These let you map certain LinkedIn Learning attributes to attributes in Oracle Learning that you might have extended or changed.

11. Import the LinkdIn Learning content for the first time using **Load and Synchronize External Course Data** background process.
    a. Go to **Tools** > **Scheduled Processes**.
    b. Keep Force Reload as **No**.

    This import adds the LinkedIn Learning content to your Oracle Learning catalog as self-paced learning and might take many hours to complete.

> **CAUTION:** To avoid any import failures, don't change any settings for the LinkedIn Learning account, such as user name or status, while this process runs.

12. If they're not already scheduled because another provider is already enabled or you've been creating and managing your own self-paced learning, schedule these background processes:

Process	Input Parameter	Recommended Frequency	Description
Load and Synchronize External Course Data	Force Reload is No	Once per day	Get content updates o New content o Updates to existing content o Content retirements
ESS job to run Bulk ingest to OSCS	Program Name is OLC-REST	Once per day, after the Load and Synchronize External Course Data process completes	Make new content and updates visible to people in Oracle Learning.
Process Learning Experience Statements	NA	Once per day	Process any learner experience statements that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions	NA	Once per day, after the Load and Synchronize External Course Data process completes	Deactivate content and withdraw active enrollments.

13. If you set the provider content visibility to private, schedule the Reconcile User Groups background process to run daily if it's not already scheduled.

How LinkedIn Learning Types Map to Oracle Self-Paced Learning Types

Here's how:

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

LinkedIn Learning Content Details You Can Change

Some LinkedIn Learning content details can't be changed in Oracle Learning because LinkedIn Learning maintains authority over its content. LinkedIn Learning does send content updates to Oracle Learning as it makes changes.

Here's what you can and can't change in Oracle Learning.

Can Change	Can't Change
• Visibility • Notification pattern • Oracle Learning catalog visibility dates • Coordinator • Related materials • Additional information • Skills and qualifications • Topics and community associations • Featured dates	• Content URL • Title • Summary • Description • Instruction languages • Expected effort • Publisher • Instructor • Completion rules • Status • Deactivation date

Handling LinkedIn Learning Completions

Here's what happens between LinkedIn Learning and Oracle Learning when a learner starts and completes a LinkedIn Learning course or learning path.

When a learner completes a course or learning path, LinkedIn Learning sends xAPI statements indicating the completion. The statements are sent in near real time.

- If the learner isn't already enrolled through Oracle Learning, Oracle Learning creates their enrollment with completed status.
- If the learner is already enrolled, their Oracle Learning enrollment will be updated to completed.

Oracle Learning doesn't process any intermediate progress statements sent by LinkedIn Learning.

After completing an enrollment, a learner can browse the course content, but LinkedIn Learning doesn't support retaking the course. So LinkedIn Learning won't send any xAPI statements after the first completion.

11 O'Reilly Media

Set Up O'Reilly Integration with Oracle Learning

Integrate O'Reilly learning content seamlessly into Oracle Learning. The integration also lets you track learner progress and completions in Oracle Learning, whether the content is accessed through O'Reilly or directly in Oracle Learning.

1. Make sure that you have an active account with O'Reilly that allows integrations.
2. Configure single sign in between Oracle Learning and O'Reilly to ensure the correct exchange of user information for learner progression tracking. You can use any identity provider you want.
3. Map the user name or work email attribute, or both attributes depending on the provider's requirements. The provider includes the user name or work email in the xAPI statements it sends to Oracle Learning to identify the relevant learner.
4. *Enable self-paced learning*.
5. In Oracle, create a job role that includes only the Learning Content Provider duty role--don't include any other duty role. The role lets this account use the necessary Oracle APIs to receive content and completions from O'Reilly.
    a. Go to **Tools** > **Security Console**.
    b. Click the Roles tab.

> **CAUTION:** If you have any IP restrictions or have enabled location-based access control (LBAC), make sure to enable the job role for access from all IP addresses. Otherwise O'Reilly will get API authentication failures when sending content to Oracle Learning.

6. Create a user account that you'll use in step 3. Oracle Learning uses the account when querying O'Reilly to get new and updated content.
    a. Go to **Tools** > **Security Console**.
    b. On the Users tab, add a user account.
    c. Set Associated Person Type to **None**. Make sure the user isn't associated with a person or worker account.
    d. Enter the appropriate user details so you can identify the account. Give the account a meaningful user name, such as **user.o'reilly**.

    > **Tip:** O'Reilly uses this user for both content and completion syncs.

    e. Add the job role that you created in step 1.
7. Enable the O'Reilly external provider.
    a. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
    b. Enter the user account created in step 2.
    c. Select a learning catalog profile that will apply to all imported O'Reilly learning. The profile identifies who can see and manage the learning.
    d. Optionally configure audience and catalog settings. The settings apply to new content imported after you validate your changes. Changes aren't automatically applied to content imported before you validate these changes.
    e. Validate the configuration.
    f. 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.

8. Contact O'Reilly Platform Integration (`platformintegration@oreilly.com`) and give them the user name created in step 2. In turn, they'll give you this information:
    - The trusted issuer name for their JWT token, it needs to exactly match the value used when configuring JWT.
    - A public certificate so they can authenticate to the Oracle Learning APIs to send content and completion data.
9. Create an Oracle API authentication provider to authenticate incoming requests from O'Reilly.
    a. Go to **Tools** > **Security Console**.
    b. On the API Authentication tab, create the Oracle API authentication provider.
    c. Edit the API authentication configuration details so that you can enter the trusted issuer name provided by O'Reilly Platform Integration and select the JWT token type.

    > **CAUTION:** You need to get the trusted issuer name from O'Reilly and the name that you enter needs to match the value they used when generating the token. Any other name results in authentication errors when O'Reilly tries to send content.

    d. Save your changes and close the page.
    e. Add a new inbound API authentication public certificate with a unique alias.
    f. Upload the public key (.cer extension file) provided by O'Reilly Platform Integration.
    g. Save your changes and click **Done**. Your environment can now accept incoming requests from O'Reilly.
10. If they're not already scheduled because another provider is already enabled or you've been creating and managing your own self-paced learning, schedule these background processes.
    a. Go to **Tools** > **Scheduled Processes**.

Process	Input Parameter	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS	Program Name is OLC-REST	Once per day, after the Load and Synchronize External Course Data process completes	Make new content and updates visible to people in Oracle Learning.
Process Learning Experience Statements	NA	Once per day	Process any learner experience statements that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions	NA	Once per day, after the Load and Synchronize External Course Data process completes	Deactivate content and withdraw active enrollments.

11. If you set the provider content visibility to private, schedule the Reconcile User Groups background process to run daily if it's not already scheduled.

How O'Reilly Learning Types Map to Oracle Self-Paced Learning Types

Here's how:

O'Reilly Learning Type	Oracle Self-Paced 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	Yes, to any customer-created type	Learner manually marks their enrollment complete
Expert Playlist	Learning Path		
Course	Online Course	No	Automatic when completed in O'Reilly
Video	Video		
Article	Article		
Shortcut	Article	Yes, to any customer-created type	
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		

O'Reilly Media Content Details You Can Change

Some O'Reilly Media content details can't be changed in Oracle Learning because O'Reilly Media maintains authority over its content. O'Reilly Media does send content updates to Oracle Learning as it makes changes.

Here's what you can and can't change in Oracle Learning.

Can Change	Can't Change
• Visibility • Notification pattern • Oracle Learning catalog visibility dates • Coordinator • Related materials • Additional information • Skills and qualifications • Topics and community associations • Featured dates	• Content URL • Title • Summary • Description • Instruction languages • Expected effort • Publisher • Instructor • Completion rules

Can Change	Can't Change
	• Status • Deactivation date

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.

12 OpenSesame

Set Up OpenSesame Integration with Oracle Learning

Integrate OpenSesame content seamlessly into Oracle Learning.

1. Contact your OpenSesame implementation specialist to get the information you need to complete the connector configurations.
    - Client ID
    - Client secret
    - Unique OpenSesame customer integration ID

    Each instance you use requires a different customer integration ID. For more details, see *Setting up your Oracle Learning Cloud– OpenSesame integration and sending courses*.
2. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
3. On the Configure External Provider page for the content provider, complete the configuration parameters using the information that OpenSesame gave you.
4. Select the applicable advanced options to automatically import new and changed assets to, and retire assets from the Oracle Learning catalog.
5. Validate the configuration parameters.
6. Select the applicable advanced options.
7. Save your changes and close the page.
8. To keep the content up to date, schedule the **Load and Synchronize External Course Data** background process. If another content provider is enabled, you probably already have this process scheduled.
    a. Go to **Tools** > **Scheduled Processes**.

How OpenSesame Learning Types Map to Oracle Learning Types

The import process for OpenSesame 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, let's say that OpenSesame 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 OpenSesame's catalog.

Here's how the properties map between the external courses and Oracle Learning:

External Course Properties	Oracle Learning Item Properties
Name	• Content resource title

External Course Properties	Oracle Learning Item Properties
	• Course title • Offering title • Offering activity title
Description	• Content resource description • Course description • Offering description • Offering activity description
Thumbnail image	Course branding image
Language	Offering language
Provider name	Content resource author
Import date	• Content resource start date • Course publish start date • Offering publish start date
Retired date	• Content resource end date • Course publish end date • Offering publish end date

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 and Development** page. Learning administrators can change these global settings when they're creating or editing a learning.

Handling OpenSesame Learning Completions

Oracle Learning gets OpenSesame completions only when the course is launched from Oracle Learning. Completions for learning launched from OpenSesame aren't tracked.

13 Skillsoft Percipio

Set Up Skillsoft Percipio Integration with Oracle Learning

Integrate Skillsoft Percipio learning content seamlessly into Oracle Learning. The integration also lets you track learner progress and completions in Oracle Learning, whether the content is accessed through Skillsoft Percipio or directly in Oracle Learning.

Before you start

Here's what to do

1. Make sure that you have an active account with Skillsoft Percipio that allows integrations.
2. Configure single sign in between Oracle Learning and Skillsoft Percipio to ensure the correct exchange of user information for learner progression tracking. You can use any identity provider you want.
3. Map the user name or work email attribute, or both attributes depending on the provider's requirements. The provider includes the user name or work email in the xAPI statements it sends to Oracle Learning to identify the relevant learner.
4. *Enable self-paced learning*.
5. In Oracle, create a job role that includes only the Learning Content Provider duty role--don't include any other duty role. The role lets this account use the necessary Oracle APIs to receive content and completions from Skillsoft Percipio.
    a. Go to **Tools** > **Security Console**.
    b. Click the Roles tab.

> **CAUTION:** If you have any IP restrictions or have enabled location-based access control (LBAC), make sure to enable the job role for access from all IP addresses. Otherwise Skillsoft Percipio will get API authentication failures when sending content to Oracle Learning.

6. Create a user account that you'll use in step 3. Oracle Learning uses the account when querying Skillsoft Percipio to get new and updated content.
    a. Go to **Tools** > **Security Console**.
    b. On the Users tab, add a user account.
    c. Set Associated Person Type to **None**. Make sure the user isn't associated with a person or worker account.
    d. Enter the appropriate user details so you can identify the account. Give the account a meaningful user name, such as **user.skillsoftpercipio**.

    > **Tip:** Skillsoft Percipio uses this user for both content and completion syncs.

    e. Add the job role you created in step 1.

7. Enable the Skillsoft Percipio external provider.
    a. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
    b. Enter the user account created in step2.
    c. Select a learning catalog profile that will apply to all imported Skillsoft Percipio learning. The profile identifies who can see and manage the learning.
    d. Optionally configure audience and catalog settings. The settings apply to new content imported after you validate your changes. Changes aren't automatically applied to content imported before you validate these changes.
    e. Validate the configuration.
    f. Optionally change the attribute mappings. These let you map certain Skillsoft Percipio attributes to attributes in Oracle Learning that you might have extended or changed.
8. 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. In turn, they'll give you this information:
    - The trusted issuer name for their JWT token, it needs to exactly match the value used when configuring JWT.
    - A public certificate so they can authenticate to the Oracle Learning APIs to send content.
9. Create an Oracle API authentication provider to authenticate incoming requests from Skillsoft Percipio.
    a. Go to **Tools** > **Security Console**.
    b. On the API Authentication tab, create the Oracle API authentication provider.
    c. Edit the API authentication configuration details so that you can enter the trusted issuer name provided by your Skillsoft account team and select the JWT token type.

    > **CAUTION:** You need to get the trusted issuer name from Skillsoft Percipio and the name that you enter needs to match the value they used when generating the token. Any other name results in authentication errors when Skillsoft Percipio tries to send content.

    d. Save your changes and close the page.
    e. Add a new inbound API authentication public certificate with a unique alias.
    f. Upload the public key (.cer extension file) provided by your Skillsoft account team.
    g. Save your changes and click **Done**. Your environment can now accept incoming requests from Skillsoft Percipio.
10. If they're not already scheduled because another provider is already enabled or you've been creating and managing your own self-paced learning, schedule these background processes.
    a. Go to **Tools** > **Scheduled Processes**.

Process	Input Parameter	Recommended Frequency	Description
ESS job to run Bulk ingest to OSCS	Program Name is OLC-REST	Once per day, after the Load and Synchronize External Course Data process completes	Make new content and updates visible to people in Oracle Learning.
Process Learning Experience Statements	NA	Once per day	Process any learner experience statements that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions	NA	Once per day, after the Load and Synchronize External Course Data process completes	Deactivate content and withdraw active enrollments.

11. If you set the provider content visibility to private, schedule the Reconcile User Groups background process to run daily if it's not already scheduled.

How Skillsoft Percipio Learning Types Map to Oracle Self-Paced Learning Types

Here's how:

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

Skillsoft Percipio Content Details You Can Change

Some Skillsoft Percipio content details can't be changed in Oracle Learning because Skillsoft Percipio maintains authority over its content. Skillsoft Percipio does send content updates to Oracle Learning as it makes changes.

Here's what you can and can't change in Oracle Learning.

Can Change	Can't Change
• Visibility • Notification pattern • Oracle Learning catalog visibility dates • Coordinator • Related materials • Additional information • Skills and qualifications • Topics and community associations • Featured dates	• Content URL • Title • Summary • Description • Instruction languages • Expected effort • Publisher • Instructor • Completion rules

Can Change	Can't Change
	• Status • Deactivation date

Handling Skillsoft Percipio Learning Completions

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

When a learner starts a Book, Audiobook, Course or Benchmark Assessment, Skillsoft 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, Skillsoft 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 Skillsoft Percipio. These actions in Skillsoft Percipio will generate new xAPI statements and when Oracle Learning gets them, it creates another enrollment for the learner.

14 Udemy Business

Set Up Udemy Business Integration with Oracle Learning

Integrate Udemy Business learning content seamlessly into Oracle Learning. The integration also lets you track learner progress and completions in Oracle Learning, whether the content is accessed through Udemy Business or directly in Oracle Learning.

1. Make sure that you have an active enterprise subscription with Udemy Business.
2. Configure single sign in between Oracle Learning and Udemy Business to ensure the correct exchange of user information for learner progression tracking. You can use any identity provider you want.
3. Map the user name or work email attribute, or both attributes depending on the provider's requirements. The provider includes the user name or work email in the xAPI statements it sends to Oracle Learning to identify the relevant learner.
4. *Enable self-paced learning*.
5. In *Oracle Cloud Infrastructure Identity and Access Management*, generate unique Oracle client credentials for each POD where you're enabling integration.
    - Oracle Client ID
    - Oracle Client secret
    - Token URL or OAuth server URL: it's in the form **https://<your_idcs_domain>/oauth2/v1/token**. You get the `domain` value from the domain overview page, Domain information tab.
    - Scope

    This information lets you authenticate incoming requests from Udemy Business to track learning completions.

    a. Sign in to the *Oracle Cloud console*.
    b. On the navigation menu, select **Identity & Security** > **Domains**.

    Complete the remaining steps as many times as you have PODs. For example, if you're enabling integration in a development and a production POD, complete steps c -- o twice.

    c. On the Integrated applications tab, *add an application* for Udemy Business that's confidential and launch the workflow.
    d. In the Add application details step, enter a unique name that includes Udemy for easy identification, such as **Udemy dev** or **Udemy prod**.
    e. Click **Next**.
    f. In the Configure OAuth step, configure the app as a client now.
    g. For authorization, select **Client credentials.**
    h. Click **Next**.
    i. In the Configure policy step, add specific authorized resources that are accessible to the users.
    j. Add either the Oracle Applications Cloud (Fusion) or the Fusion Applications Cloud Service scope, whichever is available. The description shows the scope in the format `<resource audience><resource scope>`, for example, `urn:opc:resource:fa:instsanceid=630113349urn:opc:resource:consumer::all`. Make note of this

scope, which is different for each of your environments, because you'll need to share this information with Coursera.

k. Click **Next** and go with the default settings for the Web tier policy section.
l. Click **Finish**.
m. Close the Add Confidential Application page to open the page for the app you just created.
n. Activate the app.
o. From the OAuth configuration page of your activated app, copy the client ID and client secret values because you need them for step 9. You also use the client ID in step 7.

6. 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 Udemy Business.
   a. Go to **Tools** > **Security Console**.
   b. Click the Roles tab.
7. Configure the Oracle client ID from step 5.o as a user account that you'll use in step 9. Oracle Learning uses the account when querying Udemy Business to get new and updated content.
   a. Go to **Tools** > **Security Console**.
   b. On the Users tab, add a user account.
   c. Set Associated Person Type to **None**.
   d. Enter the appropriate user details so you can identify the account. Make sure that the user name is the same as the Oracle client ID value. Any discrepancy might lead to an unsuccessful configuration.
   e. Add the job role that you created in step 6.
8. Ask your Udemy Business account team for your GraphQL API client credentials for Oracle integration. The team should provide you with Udemy Client ID and Udemy Client secret credentials, which you'll use step 10.
9. In Udemy Business, *set up xAPI integration* using this information:

Property	Value	Comments
LMS/LXP Name	Any meaningful name for your Oracle Learning integration	
Auto enrollment	On	
xAPI configuration	On	
OAuth token URL	Obtained in step 5	Gets the access token using client credentials. It's in the format `https://idcs-a79107525a3e47319c208830b3cfc15a.identity.oraclecloud.com/oauth2/v1/token` The URL needs to be unique to each POD where you enable the integration.
Client ID	Oracle Client ID obtained in step 5	These credentials need to be unique for each POD where you enable the integration.
Client Secret	Oracle Client Secret obtained in step 5	
OAuth Scope	Scope obtained in step 5	Needed for integration to work, even though its shown as optional.
xAPI statements URL	`https://<hostname>/hcmRestApi/redwood/xAPI/statements` Where `hostname` is for your Oracle learning environment	If the app URL is `https://fa-eodv-test-saasfaprod1.fa.ocs.oraclecloud.com/fscmUI/faces/FuseWelcome` then `hostname` is `fa-eodv-test-saasfaprod1.fa.ocs.oraclecloud.com`.

Property	Value	Comments
		The xAPI statements URL will be `https://fa-eodv-test-saasfaprod1.fa.ocs.oraclecloud.com/hcmRestApi/redwood/xAPI/statements`

10. In Oracle Learning, enable the Udemy Business external provider.
    a. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.
    b. Enter the Udemy Client ID and Client Secret credentials for the provider client ID and secret.
    c. For user name, search for and select the Oracle Client ID created in step 5.o.
    d. Select a learning catalog profile that will apply to all imported Udemy Business learning. The profile identifies who can see and manage the learning.
    e. Optionally configure audience and catalog settings. The settings apply to new content imported after you validate your changes. Changes aren't automatically applied to content imported before you validate these changes.
    f. Validate the configuration.
    g. Optionally change the attribute mappings. These let you map certain Udemy Business attributes to attributes in Oracle Learning that you might have extended or changed.
11. Import the Udemy Business content for the first time using the **Load and Synchronize External Course Data** process.
    a. Go to **Tools** > **Scheduled Processes**.
    b. Keep Force Reload as **No**.

    This import adds the Udemy Business content to your Oracle Learning catalog as self-paced learning and might take many hours to complete.

> **CAUTION:** To avoid any import failures, don't changes any settings for the Udemy Business account, such as user name or status, while this process runs.

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

Process	Input Parameter	Recommended Frequency	Description
Load and Synchronize External Course Data	Force Reload is No	Once per day	Get content updates o New content o Updates to existing content o Content retirements
ESS job to run Bulk ingest to OSCS	Program Name is OLC-REST	Once per day, after the Load and Synchronize External Course Data process completes	Make new content and updates visible to people in Oracle Learning.
Process Learning Experience Statements	NA	Once per day	Process any learner experience statements that for some reason weren't processed immediately.
Process Learning Catalog Item Deactivations and Deletions	NA	Once per day, after the Load and Synchronize External Course Data process completes	Deactivate content and withdraw active enrollments.

13. If you set the provider content visibility to private, schedule the Reconcile User Groups process to run daily if it's not already scheduled.

How Udemy Business Types Map to Oracle Self-Paced Learning Types

Neither mapping can be updated.

Udemy Type	Oracle Learning Type	Can update mapping?	Learner Completion
Course	Online Course	No	Automatic when completed in Udemy Business

Udemy Content Details You Can Change

Some Udemy Business content details can't be changed in Oracle Learning because Udemy Business maintains authority over its content. Udemy Business does send content updates to Oracle Learning as it makes changes.

Here's what you can and can't change in Oracle Learning.

Can Change	Can't Change
• Visibility • Notification pattern • Oracle Learning catalog visibility dates • Coordinator • Related materials • Additional information • Skills and qualifications • Topics and community associations • Featured dates	• Content URL • Title • Summary • Description • Instruction languages • Expected effort • Publisher • Instructor • Completion rules • Status • Deactivation date

Handling Udemy Business Completions

Here's what happens between Udemy Business and Oracle Learning when a learner starts and completes a Udemy Business course.

When a learner completes a course, Udemy Business sends xAPI statements indicating the completion. The statements are sent in near real time, but there can delay of a few minutes.

- If the learner isn't already enrolled through Oracle Learning, Oracle Learning creates their enrollment with completed status.
- If the learner is already enrolled, their Oracle Learning enrollment will be updated to completed.

Oracle doesn't process any intermediate progress statements sent by Udemy Business.

After completing an enrollment, a learner can browse the courses content, but Udemy Business doesn't support retaking the course. So Udemy Business won't send any xAPI statements after the first completion.

15 xAPI-Based External Content Data Exchange

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.

xAPI-based integration applies to all the providers you can enable, except BizLibrary, Intuition, and OpenSesame, who use AICC-based integration.

Action	Sent from Oracle Learning	Sent from the External Content Provider
Configure and validate the provider	NA	NA
Provider pushes content to Oracle Learning using REST API	NA	This is the information that can be sent across all providers. The actual information varies by provider. • Content URL • Title • Summary • Description • Instruction languages • Expected effort • Publisher • Author • Instructor • Status • Deactivation date • Cover art URL
Learner go 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	Transferred as part of the xAPI statement body: • 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.

Action	Sent from Oracle Learning	Sent from the External Content Provider
		• Unique identifier for the provider content • 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. • Duration (optional): If available, it's stored as the actual effort in the learner's completion record and displayed in their transcript. • Score (optional): If available, it's stored as the actual score in the learner's completion record and displayed in their transcript.

16 Test the Integration

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.

1. Set up the AICC-based content provider integration with Oracle Learning. For more information, see *How do I integrate content providers with 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.
4. Go to **My Client Groups** > **Learning and Development** > **Import External Content**.
5. Click **Import**.
6. On the Import External Content page, search for and import the content appropriate content.
    - To add all a provider's courses, regardless of your search criteria, on the **Import Entire Catalog** button menu, select the provider.
    - 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.

7. 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.
8. 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**.

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 and Development** 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.

17 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 and Development** > **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. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**
2. On the Configure External Providers page, in the applicable row, click **Configure**.
3. Set the status to **Inactive**.
4. 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.
    a. Go to **My Client Groups** > **Learning and Development** > **Self-Paced Learning**.
2. Inactivate the external content provider.
    a. Go to **My Client Groups** > **Learning and Development** > **Configure External Providers**.

b. In the applicable row, click **Configure**.
c. Set the status to **Inactive**.
d. Save your changes and close the page.

3. Ask the external content provider to stop or pause syncing on their end so they no longer send requests.

18 Scheduled Background Processes

Load and Synchronize External Course Data

This process loads the available courses for all enabled external 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 **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.

Process Learning Catalog Item Deactivations and Deletions

This process processes self-paced learning deactivations and deletions regardless of whether the learning was created in Oracle Learning or imported from external content providers.

We recommend that you run it once per day, after the Load and Synchronize External Course Data process completes. Schedule this process using the **Tools** > **Scheduled Processes** task.

Process Learning Experience Statements

This process interprets the Experience API statements sent by external content providers and updates learner attempt progressions and completions in Oracle Learning accordingly. We recommend that you run it once a day.

Schedule this process using the **Tools** > **Scheduled Processes** task.