

SAP SuccessFactors

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Implementing Open Content Network

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SAP

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Change History

Learn about changes to the documentation for "Implementing Open Content Network" in recent releases.

1H 2026

The following table summarizes changes to this guide for the 1H 2026 release

Type of Change	Description	More Info
New	Information about the property `providers[PROVIDERID].libraryID` has been added, which allows you to specify an active library ID for auto-assigning imported OCN items to the configured library.	OPEN CONTENT NETWORK System Property File [page 12]
Changed	The note has been updated about the discontinuation of the SAP SuccessFactors Learning token server.	Setting up the Token Access Test [page 22]

2H 2025

The following table summarizes changes to this guide for the 2H 2025 release

Type of Change	Description	More Info
None	We did not update this document.	

1H 2025

The following table summarizes changes to this guide for the 1H 2025 release

Type of Change	Description	More Info
Changed	The procedure has been updated to use the *AI Services Administration* page to enable the *AI-Assisted Skills Association With Open Content Network Items* feature.	Enabling AI-Assisted Skills Association With Open Content Network Items [page 54]

Type of Change	Description	More Info
New	A new topic has been added about disabling the auto-update attribute ratings for Open Content Network Items using a configuration property.	Disabling Auto Rating on Item Completion for Specific Open Content Network Providers [page 56]

1 Open Content Network (OCN) Implementation

Implement Open Content Network (OCN) so that you can take advantage of online content that is hosted at a third-party learning vendor.

If you want to track your users' online learning but don't want to create or import the content, you can sign up with an Open Content Network (OCN) provider and implement the connection between SAP SuccessFactors Learning and the provider.

The provider hosts the content and manages the content. SAP SuccessFactors Learning tracks your users' completion of the content. Learning administrators select the content that they want to track and then assign that content like any other learning item in SAP SuccessFactors Learning.

2 Open Content Network

Open Content Network (OCN) is a group of Massive Online Open Course (MOOC) partners who can provide content to SAP SuccessFactors Learning.

SAP SuccessFactors Learning created Open Content Network (OCN) to partner with Massive Online Open Course (MOOC) providers so that your employees can easily access their content from within your system. Employees can still take a MOOC with one of our providers outside the Learning Management System (LMS), but when you bring their courses into the LMS, you make it available for assignment, add it to catalogs, bundle it into a curriculum or program, or make it a part of your company's social learning through recommendations.

2.1 How SAP SuccessFactors Learning sees MOOC Content

SAP SuccessFactors Learning defines Massive Online Open Courses (MOOC) as an entirely online course that seeks massive participation but that might or might not be free of charge.

In SAP SuccessFactors Learning, we define MOOC content as any very large, open course that takes place entirely online. It can be free or it might not be free of charge. As a customer, you might pay for access to some courses from a provider like Open Sesame and those course might be MOOC content. Or, you might integrate a free course to a program or send it as a recommended link.

The only important distinction in MOOC content are the providers that are members of Open Content Network (OCN). To import MOOC content through OCN, your partner must be an approved provider. With an approved provider, we can import the MOOC content predictably and the provider can enable a SAML integration to pass users from SAP SuccessFactors Learning to the MOOC provider through single sign on.

3 Enabling Open Content Network for Third-Party Providers

Enable Open Content Network (OCN) for third-party providers where users get full experience created by the content provider and can still track the launch and completion in SAP SuccessFactors Learning.

Context

Open Content Network for third-party providers is built as a simple and light method to incorporate external provider content in SAP SuccessFactors Learning. This will help admins better curate, rather than create content already available in the learning space.

A third-party OCN provider does **not** have an existing connection to SAP SuccessFactors Learning, so you must work with the provider to build one before you can enable it. There are some third-party provider configurations that are already part of the application, for example OPENSESAME.

Procedure

1. Sign an agreement, usually a subscription, with an OCN provider.

   Each provider has its own agreement process, so contact the sales representative for your provider for guidance.
2. Create a label that is the name of the provider so that users can see the name in their catalogs.
3. Configure the third-party provider in *System Administration* > *Configuration* > *System Configuration* > *OPEN CONTENT NETWORK*.
4. Talk to your provider about push the content listings to SAP SuccessFactors Learning through a web service, and pushing it on a defined schedule.
5. Set up the Open Content Network Synchronization process so that SAP SuccessFactors Learning can receive the latest update of the provider's content.
6. Talk to your provider about sending completion status from the provider to SAP SuccessFactors Learning.

   By sending the completion status, your users get learning history in SAP SuccessFactors Learning for content that they completed at the provider's site.
7. Talk with your provider about enabling SAML for single sign-on.

1. Adding Open Content Network Provider Names [page 9]
   Add Open Content Network (OCN) provider names for your third-party providers.
2. Enabling a Open Content Network Third-Party Provider [page 10]

Enable a Open Content Network (OCN) third-party provider to have a simple method of importing third-party content into your LMS. This will provide a seamless launch experience to your users at the provider's site, and will also help in reporting back completion of their learning plan.

3. Generating an Admin Level System Client Secret for the SAP SuccessFactors Learning System [page 17]
   You generate a client secret from the SAP SuccessFactors Learning administration environment so that system-to-system web service client can obtain tokens.
4. Obtaining an OAuth Token [page 18]
   You obtain an OAuth token at the beginning of every web service session by using the client secret that a SAP SuccessFactors Learning administrator generated for you.
5. Synchronizing Open Content Network Third-Party Provider Course Listings [page 25]
   Synchronize the course listings of Open Content Network (OCN) third-party providers with the Learning Management System (LMS).
6. Importing OCN Content References from OCN Third-Party providers to SAP SuccessFactors Learning [page 27]
   Import Open Content Network (OCN) references from third-party providers to SAP SuccessFactors Learning so that SAP SuccessFactors Learning administrators can create trackable units of learning from the OCN courses.
7. Configuring SAML for OCN [page 35]
   Set up Security Assertion Markup Language (SAML) for Open Content Network (OCN) so that your users click an assignment and pass directly through to the content hosted at the OCN provider.
8. Sending Completion Status from an OCN Provider to SAP SuccessFactors Learning [page 37]
   When SAP SuccessFactors Learning users complete an Open Content Network (OCN) course that is hosted at the OCN partner's site, the partner can send a completion message back to SAP SuccessFactors Learning so that Learning Management System (LMS) can post their completion.

3.1 Adding Open Content Network Provider Names

Add Open Content Network (OCN) provider names for your third-party providers.

Context

If your OCN provider is from the standard list of OCN providers, the name already exists in SAP SuccessFactors Learning. If you add a OCN third-party provider, however, you must add the name.

Procedure

1. Go to SAP SuccessFactors Learning administration and then go to *References* > *Manage Labels* > *Labels*.
2. Click *Add New*.
3. In *Label Type* type **LABEL**.
4. Click *Next*.

5. In *Label ID* type your provider name which must be the name of the vendor.

   You use this label ID later when you enable a third-party provider, so make a note of it.

   If your third-party provider name is LinkedInLearning then your label ID will be generated as `Label.u.LinkedInLearning` . You can later use this label ID to enable your provider.
6. In *Description*, type a description of your label to help other administrators maintain it.

   For example, type **`This is the name of the OCN provider that hosts our content.`**
7. In *Use By* select *Both*.
8. Select *Assign to All Locales*.
9. Click *Add*.
10. Click *Locales*.
11. For each *Active Locale ID*, type the name of the provider.

    Because the name of the provider is a proper noun, it is probably the same in all locales. It could, however, be known as a different name in different locales.
12. Click *Apply Changes*.
13. Close the window.

Next Steps

After you add the name, you use it when you configure the OCN third-party provider in *System Admin* > *Configuration* > *System Configuration* > *OPEN CONTENT NETWORK*.

Task overview: Enabling Open Content Network for Third-Party Providers [page 8]

Next task: Enabling a Open Content Network Third-Party Provider [page 10]

3.2 Enabling a Open Content Network Third-Party Provider

Enable a Open Content Network (OCN) third-party provider to have a simple method of importing third-party content into your LMS. This will provide a seamless launch experience to your users at the provider's site, and will also help in reporting back completion of their learning plan.

Prerequisites

Before you enable a OCN third-party provider, create its name in the label system. You need the label ID of the provider in *References* > *Geography* > *Labels* when you enable the provider.

Procedure

1. Go to SAP SuccessFactors Learning administration and then go to *System Administration* > *Configuration* > *System Configuration*.
2. Open the *OPEN CONTENT NETWORK* configuration properties file and add the configuration properties.

   Sample Code

   ```
   # Sample Configuration to add a new OCN Course Provider.
   providers[NEWPROVIDERID].enabled=false
   providers[NEWPROVIDERID].name=NEWPROVIDERID
   providers[NEWPROVIDERID].label=label.NewProviderID
   providers[NEWPROVIDERID].baseLaunchUrl=http://sample-Url
   providers[NEWPROVIDERID].pricingModel=
   # Valid pricing models are empty or "SUBSCRIPTION" or "RETAIL"
   ```

3. Change `NEWPROVIDERID` to a unique ID of your provider.

   Although this can be any unique string that does not conflict with other `providers[<name>]`, we suggest that you use the provider's name.
4. In `enabled`, type `true` to enable it.
5. In `name`, type a unique name of the provider.
6. In `label`, type the label ID that you created that contains the human-readable name.

   If you followed the recommendation, the label ID is `label.u.<your provider name>`.
7. In `baseLaunchURL`, type the root URL that users go to when they launch the content.
8. Set a pricing model in `pricingModel`.
9. Click *Apply Changes*.

Task overview: Enabling Open Content Network for Third-Party Providers [page 8]

Previous task: Adding Open Content Network Provider Names [page 9]

Next task: Generating an Admin Level System Client Secret for the SAP SuccessFactors Learning System [page 17]

Related Information

Setting a Pricing Model for Open Content Network [page 42]
OPEN CONTENT NETWORK System Property File [page 12]

3.2.1 OPEN CONTENT NETWORK System Property File

After you sign agreements with content providers, you configure the Open Content Network to connect SAP SuccessFactors Learning to the provider.

Enabling the System and the Providers

General properties for third-party providers

This property...	...Is Used As Follows
`providers[<specific provider name>].*`	Do not change any value for a property that starts with `providers` unless you are directed to so so by a SAP SuccessFactors Learning representative. There are two exceptions to this rule, and they are described in the rows below.
`providers[<specific provider name>].enabled`	By default, all providers are disabled (this property is set to **`false`**. Set to **`true`** to enable the provider after you sign an agreement.
`providers[<specific provider name>].pricingModel`	`providers[<specific provider name>].pricingModel` determines the pricing model of the provider. Valid values are: • A value of **`null`** means that the provider falls back on whatever pricing you have configured in Finance or falls back on free courses. If you want to use OCN with SAP SuccessFactors Learning Finance, then type **`null`**. If you plan to offer all courses for free, type **`null`**. • If you want to publish the price of an OCN course on users' catalogs and allow them to pay for it a la carte from the OCN provider, type **`RETAIL`**. The provider must have an a la carte option. Companies can use this, for example, if they tell users to charge the course to a credit card and submit it in an expense report. The transaction takes place outside SAP SuccessFactors Learning, but we do show the pricing information so that users can make informed decisions. You cannot use Finance if you select a retail model. • If you signed up under a provider's subscription model, type **`SUBSCRIPTION`**. Subscription models vary, but users under a valid subscription are allowed to take the course. Billing takes place under your provider's subscription agreement. You cannot use Finance if you choose a subscription model.

This property...	...Is Used As Follows
`providers[PROVIDERID].libraryID=LIBRARY_ID`	Enter an active library ID in the property and add it to the relevant Open Content Network (OCN) provider to auto-assign OCN item that you import—either manually or through auto-import—to the configured library. **Note** Items available for import in *Content* > *Open Content Network* are added to the default library only if they're imported after the library configuration is set. Items imported before configuration remain in the libraries to which they were initially added.

Properties specific to OPENSESAME provider

This property...	...Is Used As Follows
`providers[OPENSESAME].config.appKey`	OpenSesame requires a tenant ID, an app key, and a secret key. With an OpenSesame account, you can retrieve the information at https://www.opensesame.com/OCN
`providers[OPENSESAME].config.secretKey`	OpenSesame requires a tenant ID, an app key, and a secret key. With an OpenSesame account, you can retrieve the information at https://www.opensesame.com/OCN
`providers[OPENSESAME].config.tenantID`	OpenSesame requires a tenant ID, an app key, and a secret key. With an OpenSesame account, you can retrieve the information at https://www.opensesame.com/OCN

Setting Default Import Values

When you import content from a provider to SAP SuccessFactors Learning, each course becomes a learning item in your system. The following properties define the default values when the system creates the learning item. The default values are the recommended values for most customers (the most common configuration case). The provider ID is a part of the provider's configuration such as `providers[OPENSESAME].enabled=false`.

This Property...	...Is Used as Follows
`defaultValues.domainID[default]`	This value is the default security domain of learning items created from importing MOOC content. The bracket default is what the system falls back to if you do not include the provider name, for example, OPENSESAME. To do so, simply copy the property and replace 'default' with your provider, for example, OPENSESAME.

This Property...	...Is Used as Follows
`defaultValues.crossDomainEnabled[default]`	This value determines whether cross domain support (CDS) is enabled on the content. CDS is supported for Lynda only, and to use it, you must set up CDS. To set up CDS, read the *Integration - Learning and Cross-Domain Content Servers* document for your release. The bracket default is what the system falls back to if you do not include the provider name, for example, OPENSESAME. To do so, simply copy the property and replace 'default' with your provider, for example, OPENSESAME.
`defaultValues.enableMobileAccess[default]`	This value is the default value for the flag that enables mobile learning access for the learning items. If you want users to access the MOOC content only through a browser on laptops, set to **`false`**. The bracket default is what the system falls back to if you do not include the provider name, for example, OPENSESAME. To do so, simply copy the property and replace 'default' with your provider, for example, OPENSESAME.
`defaultValues.isOnline[default]`	This is the default setting for the flag that allows users to access the learning item. If you want to import MOOC content but you want to hide it until you have a chance to review each learning item, set the value to **`false`**. To reduce your review workload, set to **`true`**. The bracket default is what the system falls back to if you do not include the provider name, for example, OPENSESAME. To do so, simply copy the property and replace 'default' with your provider, for example, OPENSESAME.
`defaultValues.isApprovalRequired[default]`	This is the default setting for the flag that either requires or does not require approval to take a course. The idea of MOOC courses is that are highly available to your users, so in most cases, you should set to **`false`**. You can always set individual learning items to require approval later. Set to **`true`** to require, by default, approval to launch MOOC courses. The bracket default is what the system falls back to if you do not include the provider name, for example, OPENSESAME. To do so, simply copy the property and replace 'default' with your provider, for example, OPENSESAME.
`defaultValues.processDefinitionID[default]`	If you require an approval process by default in `isApprovalRequired`, then you create a default approval process and paste the ID as the value of this property. The bracket default is what the system falls back to if you do not include the provider name, for example, OPENSESAME. To do so, simply copy the property and replace 'default' with your provider, for example, OPENSESAME.

This Property...	...Is Used as Follows
`defaultValues.isSupervisorCanRecordLearningEvents[default]`	This is the default setting for the flag that allows supervisors to record learning events on the learning item. The idea of MOOC courses is that they are highly available to your users, so we recommend setting this to **`true`**. You can always override the default value for individual learning items. The bracket default is what the system falls back to if you do not include the provider name, for example, OPENSESAME. To do so, simply copy the property and replace 'default' with your provider, for example, OPENSESAME.
`defaultValues.isUserCanRecordLearningEvents[default]`	This is the default setting for the flag that allows end users to record learning events on the learning item. The idea of MOOC courses is that they are highly available to your users, so we recommend setting this to **`true`**. You can always override the default value for individual learning items.The bracket default is what the system falls back to if you do not include the provider name, for example, OPENSESAME. To do so, simply copy the property and replace 'default' with your provider, for example, OPENSESAME.
`defaultValues.currencyCode[default]`	If you set up finance for MOOC content and if you do not want to use the default currency code, then provide an alternative currency code here. The currency code is the ID from *References* > *Finance* > *Currencies*. The bracket default is what the system falls back to if you do not include the provider name, for example, OPENSESAME. To do so, simply copy the property and replace 'default' with your provider, for example, OPENSESAME.
`defaultValues.itemType[default]`	This is the default learning item type value for learning items created from importing MOOC content. Item type is sometimes confused with item classification. Item types are enumerated in *References* > *Learning Activities* > *Item Types*. The bracket default is what the system falls back to if you do not include the provider name, for example, OPENSESAME. To do so, simply copy the property and replace 'default' with your provider, for example, OPENSESAME.

This Property...	...Is Used as Follows
`defaultValues.itemCompletionStatus[default]`	This is the default value for completion status of the learning items created from importing MOOC content. This value is useful in two circumstances: when the value of `markCompleteOnLaunch` is set to **`true`** or when `crossDomainEnabled` is set to **`true`**. The bracket default is what the system falls back to if you do not include the provider name, for example, OPENSESAME. To do so, simply copy the property and replace 'default' with your provider, for example, OPENSESAME.
`defaultValues.itemFailureStatus[default]`	This is the default value for failure status of learning items created from importing MOOC content. The bracket default is what the system falls back to if you do not include the provider name, for example, OPENSESAME. To do so, simply copy the property and replace 'default' with your provider, for example, OPENSESAME.
`defaultValues.reviewable[default]`	This is the default value for the flag that enables a learning item to be reviewable. The bracket default is what the system falls back to if you do not include the provider name, for example, OPENSESAME. To do so, simply copy the property and replace 'default' with your provider, for example, OPENSESAME.
`defaultValues.markCompleteOnLaunch[default]`	This is the default value for the mark complete on launch flag for learning items created form MOOC content. If you are tracking completion status, we recommend you set to **`true`** in this release. The bracket default is what the system falls back to if you do not include the provider name, for example, OPENSESAME. To do so, simply copy the property and replace 'default' with your provider, for example, OPENSESAME.
`defaultValues.autoRecordAttributeRatingOnItemCompletionEnabled[default]`	This is the default value that automatically enables the option *Auto Record Competency Rating on Item Completion* for all Open Content Network (OCN) items in bulk when they are imported into Learning. You can change the value to **`false`** to disable the option for all OCN items in bulk. **Note** When the option is enabled on the *Items Details* tab of an item, completing a training with assigned attributes automatically updates the associated attributes in the Growth Portfolio.

3.3 Generating an Admin Level System Client Secret for the SAP SuccessFactors Learning System

You generate a client secret from the SAP SuccessFactors Learning administration environment so that system-to-system web service client can obtain tokens.

Prerequisites

> **Note**
>
> You should discontinue using the SuccessFactors Learning token server and start using the more secure platform token server or openID connect authentication solution.

Procedure

1. Go to Learning Administration, and then go to *System Administration* > *Security* > *Administrator Management*.
2. To generate a new client secret, you must either create a new administrator or select an existing administrator.
   - If you don't yet have an administrator to call Learning APIs, then you must create a new administrator by clicking *Add New*. Complete the *Add New Admin* form.
     A new administrator is now created.
   - If you have an existing administrator, you must select that administrator from the *Administrators* page.
3. Click *Generate a new Client Secret* to generate a new client secret.
   SAP SuccessFactors Learning generates a client secret, and its corresponding Hash Value.

   > **Note**
   >
   > The client ID is the login name of the administrator account you created in the previous step. It is visible on the *OAuth Token Server* page alongside the newly generated secret. The client secret is the token generated when you use *Generate a new Client Secret.* These are two distinct values. When a subsequent configuration step asks you to concatenate the client ID and client secret, use the login name as the client ID and the copied secret as the client secret.
4. Copy the *Newly Generated Client Secret* value.

   > **Note**
   >
   > The secret isn't stored, so if you lose it, you need to generate another. When you navigate away from OAuth Token Server page, the secret disappears from the page.
   >
   > If you generate a new client secret, you invalidate all previously generated ones. If you have clients that are using a previously generated secret to gain a token, you must update the client to use the new secret.

5. You can now share this value with the providers who can now make API calls to SAP SuccessFactors Learning specific to this administrator.

Next Steps

- The values on this page are the keys that open access to LMS web services. Transmit them securely according to your organization's security policy.
- The administrator-level client secret can be used only to generate the tokens for that particular administrator. In this way, we can control the accessibility of that particular administrator through the existing permissions.

Task overview: Enabling Open Content Network for Third-Party Providers [page 8]

Previous task: Enabling a Open Content Network Third-Party Provider [page 10]

Next task: Obtaining an OAuth Token [page 18]

Related Information

Authentication Using OAuth 2.0
Authentication Using OpenID Connect (OIDC)

3.4 Obtaining an OAuth Token

You obtain an OAuth token at the beginning of every web service session by using the client secret that a SAP SuccessFactors Learning administrator generated for you.

Context

> **Note**
>
> You should discontinue using the SuccessFactors Learning token server and start using the more secure platform token server or openID connect authentication solution.

You obtain an OAuth token to verify that your client is authorized to communicate with SAP SuccessFactors Learning.

Procedure

1. Concatenate the client ID and secret, separated by a colon.

   For example, if the client ID is t1 and the secret is 52d85f24492ff918dcd1935a45a9d34acd79e249fe331753c6e0105b109e034a then the result is:

   ```
   t1:52d85f24492ff918dcd1935a45a9d34acd79e249fe331753c6e0105b109e034a
   ```

2. Encode the concatenated client ID and secret with base64 encoding.

   For example, the following concatenation:

   ```
   t1:52d85f24492ff918dcd1935a45a9d34acd79e249fe331753c6e0105b109e034a
   ```

   Encodes to:

   ```
   dDE6NTJkODVmMjQ0OTJmZjkxOGRjZDE5MzVhNDVhOWQzNGFjZDc5ZTI0OWZlMzMxNzUzYzZlMDEwNWIxM
   DllMDM0YQ==
   ```

3. Over HTTPS, call the token granting service.

   Sample call to the token granting service:

   ```
   POST {root}/learning/oauth-api/rest/v1/token
   ```

4. Pass the encoded client ID and client secret in the request header.

   Sample header:

   ```
   Authorization: Basic <encoded token from previous step>
   ```

   SAP SuccessFactors Learning web services follow HTTP 1.1 standard, so for all other HTTP header parameters, use them to industry best practices and HTTP 1.1 standards. For example, set content-type to application/json.

5. Pass required OAuth token parameters.
6. Check the response header, which is either 200: OK or an error with the HTTP error code.
7. Store the information in response body for subsequent calls. You must provide the authorization token in the header of subsequent calls, and the expiration and type information helps you to manage the lifecycle of the token.

Task overview: Enabling Open Content Network for Third-Party Providers [page 8]

Previous task: Generating an Admin Level System Client Secret for the SAP SuccessFactors Learning System [page 17]

Next task: Synchronizing Open Content Network Third-Party Provider Course Listings [page 25]

Related Information

Authentication Using OAuth 2.0

3.4.1 Required OAuth Token Parameters

When you make a call to obtain an OAuth token from SAP SuccessFactors Learning, these parameters are required.

> **Note**
>
> You should discontinue using the SuccessFactors Learning token server and start using the more secure platform token server.

When you make a call to SAP SuccessFactors Learning to obtain a token, you must pass the following parameters in the body of the request:

```
{
   "grant_type":"client_credentials",
   "scope":{
      "userId":"Usr1",
      "companyId":"t1",
      "userType":"admin",
      "resourceType":"learning_public_api"
   }
}
```

Where:

grant_type

For the scope of client web services, it is always client_credentials.

scope

An object that describes the scope of access by a user that must exist on the specified tenant.

userId

The requested token's admin ID

companyId

The tenant ID, which you can find the tenant ID in a number of locations, including the page that generates the client ID and secret.

userType

If the user is an “of type” administrator, then the value is "admin" or "A." If the user is an of type user, then the value is "user" or "P." We recommend spelling the type out (admin or user) to make the type clear.

resourceType

For the scope of this document, it is always "learning-public-api."

The call returns:

```
{
issuedAt: <epoch UTC>,
expiresIn: <seconds>,
,
issuedFor: "learning_public_api",
access_token: "<token>"
```

```
}
```

Where:

issuedAt

The time, in Unix epoch, at which the token was issued.

expiresIn

The seconds after issuance that the token expires. By default, it is 1800, or 30 minutes. 30 minutes after `issuedAt`, the token expires. After it expires, you need to call for another token.

issuedFor

The issued resource's resource type. For the purposes of web services to SAP SuccessFactors Learning, it is "learning_public_api."

Related Information

Authentication Using OAuth 2.0

3.4.2 Rules and Advice for Getting OAuth Tokens

Follow these rules and this advice when you get OAuth tokens for SAP SuccessFactorsLearning.

Rules for Obtaining an OAuth Token

> **Note**
>
> You should discontinue using the SuccessFactors Learning token server and start using the more secure platform token server.

- For a user to obtain a token, the user's account must be:
  - Validated: Users must have a recognized ID and Password for the LMS.
  - Unlocked: Locked users cannot obtain tokens.
  - Active: Inactivated users cannot obtain tokens.
- The token is valid only for the amount of time expressed in the field expiresIn. After a token expires, clients must obtain an unexpired token.

Recommendations for Obtaining and Using Tokens

We recommend that you store the token on the client until it expires.

- The token is digitally signed and you have a public key to validate the digital signature.
- If the token remains valid and unexpired, it can be reused for the session.
- When the token expires or is otherwise invalid, you can repeat the steps to obtain a token.

Related Information

Authentication Using OAuth 2.0

3.4.3 Setting up the Token Access Test

You set up the token access test by getting a client secret from SAP SuccessFactors Learning and encoding it and by getting client software that can make web service calls for you.

Context

> → Remember
>
> To ensure continued API security and support, migrate to the more secure platform token server and discontinue use of SAP SuccessFactors Learning token server.

Procedure

1. Download and install Advanced Rest Client from the Chrome web store

   Although you can use any client, these instructions assume Advanced Rest Client.
2. Use an admin specific client secret already generated.
3. Copy the client ID, client secret, and client hash from the web page and paste them into a text file so that you can refer to them later.

   Although the hash isn't strictly necessary, you can use it to see if someone has changed the secret while you have been testing.
4. Go to an online base64 encoder and encode the client ID and secret.

   The encoding is the client ID and the secret separated by a colon: <client ID>:<client secret>

   A base64 encoded client ID and secret.
5. Copy the base 64 encoded client ID and secret from the online encoder to your text file so that you can refer to it later.
6. Save the text file.

Results

You have a text file with everything you need for your test:

- The raw client ID from the *OAuth Token Server* page.
- The raw client secret from the *OAuth Token Server* page.
- The client hash from the *OAuth Token Server* page.
- The base64 encoded client ID and secret from the online encoder.

Related Information

Authentication Using OAuth 2.0

3.4.4 Testing OAuth Token Access

Test OAuth token access to SAP SuccessFactors Learning before you begin building your web service client so that you know access works.

Prerequisites

> **Note**
>
> You should discontinue using the SuccessFactors Learning token server and start using the more secure platform token server or openID connect authentication solution.

- You have set up the token access test by getting the client secret and base64 encoded client secret.
- You have downloaded a web service client like Advanced Rest Client (from the Chrome store).

Procedure

1. Open Advanced Rest Client.
2. In the URL box, type: https://<root url>/learning/oauth-api/rest/v1/token. Substitute "<root url> for your root URL domain.
3. Select POST from the methods list.
4. Select *Form* in the *Headers* section.
   a. Add Request Header Name: `Authorization`
   b. Add Request Header Value: `Basic <encoded client ID and secret from the test set up>`

5. Create the JSON payload for the *Payload* section.

```
{
   "grant_type":"client_credentials",
   "scope":{
      "userId":"Usr1",
      "companyId":"t1",
      "userType":"admin",
      "resourceType":"learning_public_api"
   }
}
```

Where:

grant_type

For the scope of client web services, it is always client_credentials.

scope

An object that describes the scope of access by a user that must exist on the specified tenant.

userId

The requested token's admin ID

companyId

The tenant ID, which you can find the tenant ID in a number of locations, including the page that generates the client ID and secret.

userType

If the user is an "of type" administrator, then the value is "admin" or "A." If the user is an of type user, then the value is "user" or "P." We recommend spelling the type out (admin or user) to make the type clear.

resourceType

For the scope of this document, it is always "learning-public-api."

6. Set content type to application/json.
7. Click *Send*.

Related Information

Authentication Using OAuth 2.0
Authentication Using OpenID Connect (OIDC)

3.5 Synchronizing Open Content Network Third-Party Provider Course Listings

Synchronize the course listings of Open Content Network (OCN) third-party providers with the Learning Management System (LMS).

Prerequisites

Before you can set up synchronization, you must sign up with an OCN third-party provider and you must enable them in system properties.

Context

You synchronize with OCN third-party providers because you need to keep your list of available OCN courses in sync with changes that OCN third-party providers make. For example, the provider updates the course content. You want SAP SuccessFactors Learning items to be updated with the new course content.

> ⓘ Note
>
> The synchronization process using agile project management is a legacy method that is still applicable to some providers. We recommend that you use the OCN Course Push API method as the primary method for all third-party providers to push their course metadata to the customer environment.

The process runs for all OCN third-party providers you enabled in *System Administration* > *Configuration* > *System Configuration* > *OPEN CONTENT NETWORK*.

You can now add multiple contents to Open Content Network (OCN) courses. The OCN course gets automatically updated with the newly added content, and these contents are automatically assigned to the assigned learners of the OCN course. The **ReassignOCNCourseItemToStudentApmJob** background job runs every 6 hours, but you can also schedule the job to be run on-demand by running the **Open Content Network Content Synchronization** automatic process.

Procedure

1. Go to SAP SuccessFactors Learning Administration and then go to *System Administration* > *Automatic Processes* > *Open Content Network Content Synchronization*.
2. Set the standard scheduling fields to decide how often you want your process to run.

   > → Tip
   >
   > Most companies can set their synchronization process to run weekly except for the first time it runs. If you're scheduling it for the first time, run it daily five minutes in the future in your time zone. This forces

a synchronization so that you can proceed to import courses. After you import courses, return to the automatic process schedule it to run weekly.

3. Choose *Apply Changes*.

Next Steps

After the synchronization process runs, you can see the providers' courses in *Content* > *Open Content Network*.

Task overview: Enabling Open Content Network for Third-Party Providers [page 8]

Previous task: Obtaining an OAuth Token [page 18]

Next task: Importing OCN Content References from OCN Third-Party providers to SAP SuccessFactors Learning [page 27]

3.5.1 Status Fields for Troubleshooting SAP SuccessFactors Learning Automatic Processes

Use the Automatic Process status fields when you troubleshoot SAP SuccessFactors Learning automatic processes.

Each automatic process reports its status. Go to SAP SuccessFactors Learning Administration, go to *System Administration* > *Automatic Processes*, and then select an individual automatic process to see its status.

This Field...	...Is used as follows
Last Execution Result	If the Automatic Process is running correctly, the status is `Success`. If it's another status, then the process didn't run properly. Click *View Errors* to investigate.
Last Execution	This is the date and time the automatic process was last run. You can use this information to see when the automatic process did its work and see if users got the results. For example, if the assignment profile process has not yet run for today and you're investigating recent changes to assignment profiles, then it could be that you just need to wait for the next run of the process.
Current Status	This is the status of the process for its next run.

This Field...	...Is used as follows
Next Execution	The next date and time at which the automatic process is scheduled to run.

3.6 Importing OCN Content References from OCN Third-Party providers to SAP SuccessFactors Learning

Import Open Content Network (OCN) references from third-party providers to SAP SuccessFactors Learning so that SAP SuccessFactors Learning administrators can create trackable units of learning from the OCN courses.

Prerequisites

Before you can begin importing content references from an OCN provider to SAP SuccessFactors Learning, you should have agreements with both parties:

- A license that covers OCN in SAP SuccessFactors Learning
- An agreement for importing content with the Open Content Network (OCN) vendor. Agreements differ by vendor.

Procedure

1. Get an OAuth token so that you can authenticate to SAP SuccessFactors Learning.
2. Use the payload examples and parameter descriptions to build a client that posts the content.

Task overview: Enabling Open Content Network for Third-Party Providers [page 8]

Previous task: Synchronizing Open Content Network Third-Party Provider Course Listings [page 25]

Next task: Configuring SAML for OCN [page 35]

Related Information

Obtaining an OAuth Token [page 18]
Generating an Admin Level System Client Secret for the SAP SuccessFactors Learning System [page 17]
Open Content Network Course Import Payload Example [page 28]

Open Content Network Course Import Web Service Parameters [page 30]

3.6.1 Open Content Network Course Import Payload Example

Throttling Policies followed while Course Import

The following throttling policies must be kept in mind when you import course content.

1. This configuration ensures that there is one call made every five minute for importing content.
2. Maximum number of courses that can be imported per call is 1000.

Sample Code

```
{
   "ocnCourses":[
      {
         "courseID":"COURSE_ID",
         "providerID":"PROVIDER_ID",
         "status":"ACTIVE",
         "title":[
            {
               "locale":"English",
               "value":"Poetic Computers"
            }
         ],
         "description":[
            {
               "locale":"English",
               "value":"People often think that they can tell the
               difference between art and imitation, but can we really
               tell the difference? What if computers wrote our poetry?"
            }
         ],
         "thumbnailURI":"https://<root>.com/images/poem.jpg",
         "content":[
            {
               "providerID":"PROVIDER_ID",
               "launchURL":"http://<root>/can_a_computer_write_poetry",
               "contentTitle":"Poetic Computers",
               "contentID":"37f766bb-5e96-4c29-82d6-ee1c5bd887fb",
               "launchType":2,
               "mobileEnabled":false,
               "mobileLaunchURL":null
            }
         ],
         "price":[
            {
               "currency":"USD",
               "value":12.00
            },
            {
               "currency":"INR",
               "value":222.00
            }
         ],
         "schedule":[
            {
```

```
            "startDate":1451556622000,
            "endDate":1427796622000,
            "active":true,
            "duration":"12 weeks"
         }
      ],
      "revisionNumber":1,
      "duration":"18 minutes",
     "skills": {
           "locale": "en_US",
           "values": [
           {
             "rating": 1,
             "value": "Leadership Development"
           },
           {
             "value":"JAVAProgramming1728342431425"
           }
         ]
       }
   },
   {
      "courseID":"COURSE_ID",
      "providerID":"PROVIDER_ID",
      "status":"ACTIVE",
      "title":[
         {
            "locale":"English",
            "value":"Creativity in Scarcity"
         }
      ],
      "description":[
         {
            "locale":"English",
            "value":"How often have you said that you had to
            get creative to solve a problem because you lacked
            resources? Getting creative often happens when you
            encounter scarcity."
         }
      ],
      "thumbnailURI":"https://<root>/images/piano.jpg",
      "content":[
         {
            "providerID":"PROVIDER_ID",
            "launchURL":"http://<root>/_messy_problems_inspire",
            "contentTitle":"Creativity in Scarcity",
            "contentID":"37f766bb-5e96-4c29-82d6-ee1c5bd887fb",
            "launchType":2,
            "mobileEnabled":false,
            "mobileLaunchURL":null
         }
      ],
      "price":[
         {
            "currency":"USD",
            "value":12.00
         },
         {
            "currency":"INR",
            "value":222.00
         }
      ],
      "schedule":[
         {
            "startDate":1451556622000,
            "endDate":1427796622000,
            "active":true,
            "duration":"12 weeks"
```

```
            }
          ],
          "revisionNumber":1,
          "duration":"18 minutes",
        "skills": {
              "locale": "en_US",
              "values": [
              {
                "rating": 1,
                "value": "Leadership Development"
              },
              {
                "value":"JAVAProgramming1728342431425"
              }
            ]
          }
      }
   ]
}
```

3.6.2 Open Content Network Course Import Web Service Parameters

Open Content Network (OCN) providers can post a set of courses to SAP SuccessFactors Learning so that customers can convert them to learning items (assignable units of learning).

To post courses to SAP SuccessFactors Learning:

```
POST  /learning/odatav4/public/admin/ocn/v1/OcnCourses
```

Open Content Network Course Import Web Service

Parameter	Data Type	Field Limit	Editable	Mandatory	Description
courseID	String	300	No	Yes	This is the OCN provider's unique ID for the course. It is required so that SAP SuccessFactors Learning can maintain a map between learning items and OCN courses.
providerID	String	90	No	Yes	This is the unique ID of the provider as set in SAP SuccessFactors Learning. It is required.
status	String	90	Yes	No	The status of the course. Values can be `ACTIVE`, `INACTIVE`, or `DELETED`. If it is not passed, the system defaults to `INACTIVE`. **Note** When an OCN course is sent to Learning for the first time, its status must be `ACTIVE`. Otherwise, the request is rejected. After the course is created, you can set it to`INACTIVE`.

Parameter	Data Type	Field Limit	Editable	Mandatory	Description
title	String	300	Yes	Yes	An array of titles for the course. Each member of the array is the title in a language. For example: `{ "locale":"English", "value":"Can a computer write poetry?" }` The `locale` member is a string that uniquely identifies the locale in SAP SuccessFactors Learning. The array must have at least one member (you must have at least one title in one language).
description	String	4000	Yes	No	An array of descriptions for the course. Each member of the array is the description in a language. For example: `{ "locale":"English", "value":"If you read a poem and feel moved by it, but then find out it was actually written by a computer, would you feel differently about the experience?" }` The `locale` member is a string that uniquely identifies the locale in SAP SuccessFactors Learning. The array must have at least one member (you must have at least one description in one language).
thumbnailURI	String	1000	Yes	No	A URI to an image that is the icon for the course. Thumbnails help users recognize the course or the series of courses.
revisionNumber	Integer	38	Yes	No	This is the incremental revision of the course. If you do not provide one, the system defaults to `1`.
duration	String	300	Yes	No	This duration is outside the `schedule` array. If a `schedule` array member is missing a duration, the system uses this one for that member of the array.
price	-	-	Yes	No	An array of prices in different currencies. We use ISO 4217 for our currency codes.
currency	String	300	Yes	No	`"price": [ { "currency": "USD", "value": 12.00 }, { "currency": "INR", "value": 222.00 }`
value	Float		Yes	No	

Parameter	Data Type	Field Limit	Editable	Mandatory	Description
skills			Yes	No	
rating			Yes	No	
creditHours	Float		Yes	No	This parameter allows you to add or update *Credit Hours* field for OCN courses in the *Items Details* section of the *Items* page. It accepts numeric values of type double or float. **Note** If a credit hours value exists for an OCN course, the API overwrites it with the provided value. If `creditHours` is not included in the payload, the existing value on the *Items* page remains unchanged. For example: `{ { "startDate": 1451556622000, "endDate": 1427796622000, "active": true, "duration": "12 weeks" } ], "revisionNumber": 1, "duration": "18 minutes", "creditHours": 3.5 } }`
Content					
content	-	-	Yes	Yes	An array of content sections for the course. For example, if a course is broken into three videos, you create an array of three members, one for each video.
providerID	String	90	Yes	Yes	Part of the `content` array. This provider ID almost always matches the provider ID from earlier in the call. But it provides the flexibility for partnerships.
launchURL	String	4000	Yes	Yes	Part of the `content` array. This is the URL that users would click to launch this part of the course.

Parameter	Data Type	Field Limit	Editable	Mandatory	Description
contentTitle	String	4000	Yes	Yes	Part of the `content` array. This is the title for the section of the content. For example, the title for the **course** can be Artificial Intelligence and Creativity, but the section titles can be Defining Creativity, Can you Create Creativity? and so on. Each member of the array is the title in a language. For example: `{ "locale":"English", "value":"Can you Create Creativity?" }` The `locale` member is a string that uniquely identifies the locale in SAP SuccessFactors Learning. The array must have at least one member (you must have at least one title in one language).
contentID	String	90	Yes	Yes	Part of the `content` array. The unique ID for the section of content.
launchType	String	10	Yes	Yes	Part of the `content` array. This is one of the allowed launch types.
mobileEnabled	Boolean	-	Yes	No	Part of the `content` array. It is a Boolean. If set to `true`, then the course can be launched on a mobile device. If you do not provide a value, the system defaults to `false`.
mobileLaunchURL	String	4000	Yes	No	Part of the `content` array. If `mobileEnabled` is set to `true`, and if the mobile URL is different from `launchURL`, then you can provide the URL that launches the mobile content.
Schedule					
schedule			Yes	No	An array of scheduling information that tells users when the course is available. These are windows when the course is open.
startDate	Date	-	Yes	No	Part of the `schedule` array. It is the Unix Epoch date that the course begins its availability.
endDate	Date	-	Yes	No	Part of the `schedule` array. It is the Unix Epoch date that the course ends its availability.
active	Boolean	-	Yes	No	Part of the `schedule` array. It is a Boolean that indicates availability. If `true`, then the course is currently available.
duration	String	300	Yes	No	Part of the `schedule` array. It is a string that users read to know how long the course lasts.
skills					

Parameter	Data Type	Field Limit	Edit-able	Manda-tory	Description

skills	-	-	Yes	No	An array of skills and its associated ratings for OCN items. For example, If an OCN item includes several skills, the array can have multiple entries, with each entry corresponding to a specific skill and its associated rating.
					
					Note
					If OCN items do not have assigned skills and ratings, no related skills from the Attribute Library will be associated with them.
					
					`"skills":{`
					`"locale":"en_US",`
					`"values":[`
					`{`
					`"rating":3,`
					`"value":"Programming Language"`
					`},`
					`{`
					`"rating":2,`
					`"value":"Communication"`
					`}`
					
					→ Remember
					The `locale` parameter is a string that uniquely identifies the locale in SAP SuccessFactors Learning. Ensure to use the locale in a valid format, for example, **en_US**.

value			Yes	No	Part of the `skills` array. It is a string that indicate the skill values assigned to OCN items.
rating			Yes	No	Part of the `skills` array. It is a string that indicate the proficiency level of a skill. **Note** If a skills is not assigned a rating in the API call, it defaults to the lowest proficiency level defined in the Talent Intelligence Hub framework, displayed as ratings in Learning.

Related Information

Activating Learning Currencies [page 53]
Locale Codes for SAP SuccessFactors Learning [page 61]
Content Object Launch Methods [page 59]
Open Content Network Course Import Payload Example [page 28]

3.7 Configuring SAML for OCN

Set up Security Assertion Markup Language (SAML) for Open Content Network (OCN) so that your users click an assignment and pass directly through to the content hosted at the OCN provider.

Prerequisites

Before you can begin using SAML integration between an OCN provider and SAP SuccessFactors Learning, you should have agreements with both parties:

- A license that covers OCN in SAP SuccessFactors Learning
- An agreement for SAML with the Open Content Network (OCN) vendor. Agreements differ by vendor.

Context

If you do **not** set up Security Assertion Markup Language (SAML) integration between the third party provider and SAP SuccessFactors Learning, users must log in every time they click a link to content hosted on the provider's site. We recommend that you configure SAML integration between SAP SuccessFactors Learning and the provider so that when a user is authenticated to SAP SuccessFactors Learning, the user is **not** required to log in again at the provider's site.

Procedure

1. Provide your OCN vendor with the SAML Identity Provider Description (IPD), which is metadata that identifies SAP SuccessFactors Learning as legitimate under a certificate authority.

   To generate the metadata file, go to *System Administration* > *Configuration* > *System Configuration* > *BIZX*. Find the `metadataProviders.IDP1.value` parameter, which includes the BizX URL with the Company ID. Copy this URL and open it in a new browser tab or window.

   You need to give the IPD to the technical staff at provider. The IPD is a standard file, so they know how to use it in their system.
2. Request an organization ID from the provider.

   Your provider might have a different name for this data, but it is the string that identifies your company on the provider's site. It is your unique ID that identifies your users from among all the users consuming the provider's courses.
3. Log in to SAP SuccessFactors Learning Administration and then go to *System Administration* > *Configuration* > *System Configuration* > *OPEN CONTENT NETWORK*.
4. In *OPEN CONTENT NETWORK*, locate this parameter: `providers[<your provider>].orgID` (where `<your provider>` is the OCN vendor you are connecting to.

5. Set the value of `providers[<your provider>].orgID` to the organization ID that the vendor gave you.

   If your OCN provider is LinkedInLearning.com and your organization ID is ACME123, then you have:

   `providers[LinkedInLearning].orgID=ACME123`
6. Contact SAP SuccessFactors Learning support to ask them to set up their SAML assertion URL for you.

Task overview: Enabling Open Content Network for Third-Party Providers [page 8]

Previous task: Importing OCN Content References from OCN Third-Party providers to SAP SuccessFactors Learning [page 27]

Next task: Sending Completion Status from an OCN Provider to SAP SuccessFactors Learning [page 37]

Related Information

OPEN CONTENT NETWORK System Property File [page 12]

3.7.1 SAML IDP for SAP SuccessFactors Learning

When you connect SAP SuccessFactors Learning and an OCN vendor for single sign on, the vendor needs a sample of the SAML IDP (Identity Provider) metadata to identify SAP SuccessFactors Learning as a valid organization under a certificate authority.

Sample Code

```
<?xml version="1.0" encoding="UTF-8" standalone="yes"?>
<EntityDescriptor xmlns="urn:oasis:names:tc:SAML:2.0:metadata"
entityID="https://<root>/sf/idp/SAML2/company/<id>">
  <IDPSSODescriptor WantAuthnRequestsSigned="false"
protocolSupportEnumeration="urn:oasis:names:tc:SAML:2.0:protocol">
    <KeyDescriptor use="signing">
      <ds:KeyInfo xmlns:ds="http://www.w3.org/2000/09/xmldsig#">
        <ds:X509Data>
          <ds:X509Certificate>
            [[[[ Certificate ]]]]
          </ds:X509Certificate>
        </ds:X509Data>
      </ds:KeyInfo>
    </KeyDescriptor>
    <SingleSignOnService
Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST"
Location="https://<root>/sf/idp/SAML2/SSO/POST/company/<id>"/>
    <SingleSignOnService
Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect"
Location="https://<root>/sf/idp/SAML2/SSO/Redirect/company/<id>"/>
    <SingleLogoutService
Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-POST"
Location="https://<root>/sf/idp/SAML2/slo/POST"/>
    <NameIDFormat>urn:oasis:names:tc:SAML:2.0:nameid-format:persistent</
NameIDFormat>
```

```
    <NameIDFormat>urn:oasis:names:tc:SAML:1.1:nameid-format:unspecified</
NameIDFormat>
  </IDPSSODescriptor>
</EntityDescriptor>
```

3.8 Sending Completion Status from an OCN Provider to SAP SuccessFactors Learning

When SAP SuccessFactors Learning users complete an Open Content Network (OCN) course that is hosted at the OCN partner's site, the partner can send a completion message back to SAP SuccessFactors Learning so that Learning Management System (LMS) can post their completion.

Prerequisites

1. Before you can begin sending completion status from an OCN provider to SAP SuccessFactors Learning, you should have agreements with both parties:
   - A license that covers OCN in SAP SuccessFactors Learning.
   - An agreement for sending completion status from the Open Content Network (OCN) vendor. Agreements differ by vendor.

   The agreement should describe data that the provider is responsible for storing and for how long. For example, the provider must store the SAP SuccessFactors user ID. The provider can get the user ID from a SAML sign in or from a native sign in, but the provider should store it for at least the length of the session. To mark the user complete, the provider must provide that user's SAP SuccessFactors user ID.
2. Ensure that you have an admin who has the `Add Learning Event.Student.Add Learning History` workflow ID associated to his role to access the OCN API.

Procedure

1. Get an OAuth token so that you can authenticate to SAP SuccessFactors Learning.
2. Post learning events.

   `POST/learning/odatav4/public/admin/learningevent-service/v1/OCNLearningEvents`

   Open Content Network Completion Status Payload Example [page 38]
   Use the Open Content Network (OCN) API to record a learner's completion of an external course.

   Open Content Network Completion Status Parameters [page 39]
   These parameters contain the information that mark courses complete from Open Content Network (OCN) to SAP SuccessFactors Learning.

Task overview: Enabling Open Content Network for Third-Party Providers [page 8]

Previous task: Configuring SAML for OCN [page 35]

3.8.1 Open Content Network Completion Status Payload Example

Use the Open Content Network (OCN) API to record a learner's completion of an external course.

Refer to the following sample payload for the supported completion details that can be submitted through the API. Note that no throttling limits apply to course completion requests submitted through OCN API.

Sample Code

```
{
"userID": "<USERID>",
"courseID":"<COURSEID>",
"providerID":<PROVIDERID>,
"courseCompleted":"true or false",
"completedTimestamp":<COMPLETEDTIMESTAMP>,
"instructorName":"<InstructorName>",
"grade":"<grade>",
"totalHours":"<TOTALHOURS>",
"creditHours":<CREDITHOURS>,
"contactHours":<CONTACTHOURS>,
"cpeHours":<CPE>,
"comments":<COMMENTS>,
"price":<PRICE>,
"currency":<CURRENCY>
}
```

Parent topic: Sending Completion Status from an OCN Provider to SAP SuccessFactors Learning [page 37]

Related Information

Open Content Network Completion Status Parameters [page 39]

3.8.2 Open Content Network Completion Status Parameters

These parameters contain the information that mark courses complete from Open Content Network (OCN) to SAP SuccessFactors Learning.

OCN Completion Status Parameters

Parameter	Description
userID	This is the SAP SuccessFactors Learning user ID for the user who completed the course. The OCN provider can get the user ID through a sign-in channel. For example, from a SAML integration or from a native sign-in at their site. It could also be that the user IDs are mapped: that the SAP SuccessFactors Learning user ID is the same as the OCN provider's user ID. Regardless, the user ID is required.
courseID	This is the provider's course ID. SAP SuccessFactors Learning maintains a map between the provider's course ID and the SAP SuccessFactors Learning learning item ID. The map is maintained by the Open Content Network Content Synchronization automatic process, so be sure that a learning administrator schedules it for you. If it does not run regularly, then the provider's data becomes out of sync with the SAP SuccessFactors Learning data.
providerID	The unique ID for the OCN provider from the list of OCN provider codes.
courseCompleted	This is a Boolean. It can be set to `true` to indicate that the user completed the course or `false` if they did not. How you define "completion" is up to your agreement. You might define "completion" to mean that the user simply finished the course or you might define it to mean that the user finished the course and passed the exams.
completedTimestamp	This is the Unix Epoch time, with milliseconds, when the user completed the course. SAP SuccessFactors Learning uses this completion date for the audit trail of users' completion.
instructorName	The instructor's name as passed by the provider. The instructor's name is **not** validated against the list of internal instructors because we do not track providers' instructors. By passing an instructor name, you help SAP SuccessFactors Learning users and their supervisors remember the courses. For example, during a performance review, they might talk about accomplishments like completing a course by a renowned instructor.
grade	This is the grade in the course. We do not validate this grade for completion status or rating scales. It is any string that describes the grade that the user earned **as the OCN provider** sets the grades.
totalHours	The total hours that a user earns for completing a course. Hours can be important to individual SAP SuccessFactors Learning customers and so a customer can ask a provider to store the hours for courses or to make a tally from data that the provider already has. For example, for total hours, a customer could ask the provider to sum the hours that a user spent watching videos (the length of the videos) and listening to live Q&A sessions (the length of the sessions).

Parameter	Description
creditHours	Most customers do not record hours at all, but a few need CPE (Continuing Professional Education) hours because of their industry. Almost no customers use credit hours. Credit hours are the number of hours that a user earns for completing a learning event. For example, in many U.S. universities, students attend a single class for 15 weeks, 3 days each week, and 1 hour each day. In this case, the total hours equals 45; however, the college grants 3 **credit hours** for this class. Hours can be important to individual SAP SuccessFactors Learning customers and so a customer can ask a provider to store the hours for courses or to make a tally from data that the provider already has. For example, a provider might list its own credit hours and report those hours to a customer.
contactHours	Most customers don't record hours at all, but a few need CPE (Continuing Professional Education) hours because of their industry. Almost no customers use contact hours. Contact hours are the total number of hours that you expect a user to have contact with an instructor. For example, if you set up a learning item that is instructor-led with online content for 8 total hours and, for 6 of those hours, you expect the user to be in an instructor-led time slot, then the contact hours equals 6. Hours can be important to individual SAP SuccessFactors Learning customers and so a customer can ask a provider to store the hours for courses or to make a tally from data that the provider already has. For example, for contact hours, a customer could ask the provider to sum the hours that a user spent in contact with the instructor through live Q&A sessions (the length of the sessions) but not the hours that a user spent watching videos (the length of the videos).
cpeHours	CPE is an abbreviation for Continuing Professional Education and refers to learning activities that users perform to maintain and expand the skills that their profession demands. Some customers in some industries use CPE hours for certification. If you are in an industry that uses CPE hours for certification, please use the *CPE Hours* field instead of credit hours or contact hours. If you are not in an industry that uses hours to certify employees, you can ignore CPE hours. Hours can be important to individual SAP SuccessFactors Learning customers and so a customer can ask a provider to store the hours for courses or to make a tally from data that the provider already has. For CPE hours, it is likely that the provider already knows the hours for professional certification or that the customer and provider come to an agreement about the hours.
comments	This is a string for any comments about the completion.
price	Depending on the agreement between the provider and customer, users can purchase based on a subscription or can purchase individual courses. If users purchase individual courses, the customer and provider agree on prices. This parameter allows the provider to pass the price for the course back to SAP SuccessFactors Learning. Remember that the completion status can be either `true` or `false`, so the provider can pass prices for incomplete courses. Structure your agreement to account for complete and incomplete courses.

Parameter	Description
currency	This is the currency of the price.

Parent topic: Sending Completion Status from an OCN Provider to SAP SuccessFactors Learning [page 37]

Related Information

Open Content Network Completion Status Payload Example [page 38]
Activating Learning Currencies [page 53]

4 Setting a Pricing Model for Open Content Network

Set a pricing model to account for costs with your Open Content Network (OCN) provider.

Context

The pricing model you choose depends on the agreement that you signed with the OCN provider. Please discuss the pricing model with your OCN provider.

Procedure

1. Go to SAP SuccessFactors Learning and then go to *System Administration* > *Configuration* > *System Configuration*.
2. Open *OPEN CONTENT NETWORK*.
3. Find your provider by looking at the bracketed text.

   For example, Lynda.com is [LYNDA].
4. In `providers[<specific provider name>].pricingModel`, set the pricing model that you want.

   `providers[<specific provider name>].pricingModel` determines the pricing model of the provider. Valid values are:
   - A value of **`null`** means that the provider falls back on whatever pricing you have configured in Finance or falls back on free courses. If you want to use OCN with SAP SuccessFactors Learning Finance, then type **`null`**. If you plan to offer all courses for free, type **`null`**.
   - If you want to publish the price of an OCN course on users' catalogs and allow them to pay for it a la carte from the OCN provider, type **`RETAIL`**. The provider must have an a la carte option. Companies can use this, for example, if they tell users to charge the course to a credit card and submit it in an expense report. The transaction takes place outside SAP SuccessFactors Learning, but we do show the pricing information so that users can make informed decisions. You cannot use Finance if you select a retail model.
   - If you signed up under a provider's subscription model, type **`SUBSCRIPTION`**. Subscription models vary, but users under a valid subscription are allowed to take the course. Billing takes place under your provider's subscription agreement. You cannot use Finance if you choose a subscription model.
5. Click *Apply Changes*.

5 Open Content Network Administration

After you implement Open Content Network (OCN) and after you synchronize the courses for the first time, you can begin administering the courses.

You typically administer OCN courses one time just after you implement the connection to an OCN provider, and then periodically as the OCN provider adds new course listings. Depending on your engagement with the OCN provider and depending on how often they release new courses, you might want to review their course list monthly or quarterly, but you probably don't want to wait as long as an annual review to look for OCN courses.

In almost all administration tasks, you administer OCN courses like other learning items in the system. The exceptions are:

- You must import OCN course listings into learning item records. Because the OCN catalogs are so big, you must choose which of the OCN courses should become learning items in SAP SuccessFactors Learning. This is a one-time **import** process.
- You can search for OCN courses by a specific category. Although OCN courses make sense as learning items, there are many cases where you just want to return the set of OCN courses that are in your system.
- You can view upcoming live OCN courses, called OCN Sessions. Unlike standard learning items, you do **not** create scheduled offerings for live OCN events, so you need a way to see the upcoming live events.
- Activating and deactivating OCN courses works a little differently than standard learning items. You might deactivate an OCN course, for example, if you no longer want to provide it to your users.

Enabling Automatic Import of Open Content Network Items [page 44]
: You can configure your Learning system to automatically import learning content from Open Content Network (OCN) providers to make their courses available to your learners.

Importing Open Content Network Items Manually [page 45]
: Manually import content from Open Content Network (OCN) partners when you want to make their courses available to your users.

Adding Learning Items to a Library [page 47]
: Add learning items to a library from the library view when you want to add many learning items to one library.

Searching for Open Content Learning Items [page 48]
: Search for learning items that were created from the Open Content Network (OCN) when you want to find MOOC courses in the Learning Management System (LMS).

Viewing Open Content Network Sessions [page 49]
: View Open Content Network (OCN) sessions to see upcoming live sessions for a learning item that has been created through OCN import.

Activating and Deactivating Open Content Network Learning Items [page 50]
: You can activate and deactivate Open Content Network (OCN) learning items in bulk to hide or show them in users' libraries.

Where Open Content Network Courses Reside [page 51]
: Open Content Network content always exists on the provider's site.

Courses Available through Online Content Network [page 52]

If you connect your Massive Online Open Content (MOOC) provider through Online Content Network (OCN), their entire catalog is available to you.

5.1 Enabling Automatic Import of Open Content Network Items

You can configure your Learning system to automatically import learning content from Open Content Network (OCN) providers to make their courses available to your learners.

Prerequisites

- You've enabled OCN providers.
- You've run the *Open Content Network Content Synchronization* process at least one time. After you run the process, you can see what courses are available from the providers for import to your system.

Context

The OCN courses that are already available in *Content* > *Open Content Network* before you enable auto-import, those items aren't imported automatically. You need to manually import the courses.

Procedure

1. Go to *Learning Administration*.
2. In the *Menu*, choose *System Administration* > *Configuration* > *System Configuration*.
3. In the configuration list, locate and edit the *OPEN CONTENT NETWORK* ID.
4. Set the `defaultValues.autoImportOCNCourseEnabled` property to **`true`**. The default value is set to false.

   Setting the property to true automatically imports OCN items from **all** providers in to Learning.
5. To manage the automatic import at a specific OCN provider level, add the `defaultValues.autoImportOCNCourseEnabled[provider's name]` property in the provider's section. The values can be set to true or false.

   > **Note**
   >
   > However, if both configurations are set—one at the provider level and another as the default—the provider-level configuration takes precedence over the default configuration.
6. Save your changes.

Results

OCN items provided through the API call are automatically imported into Learning.

> **Note**
>
> If there are skills associated with OCN items in the API call, those skills aren't imported by default; only the items are imported. To import and associate skills with OCN courses, you need to enable the *AI-assisted skills association for Open Content Network Items* feature.

Next Steps

Add the imported courses to a library to make them available to learners.

Task overview: Open Content Network Administration [page 43]

Related Information

Importing Open Content Network Items Manually [page 45]
Adding Learning Items to a Library [page 47]
Searching for Open Content Learning Items [page 48]
Viewing Open Content Network Sessions [page 49]
Activating and Deactivating Open Content Network Learning Items [page 50]
Where Open Content Network Courses Reside [page 51]
Courses Available through Online Content Network [page 52]
Importing Open Content Network Items Manually [page 45]
Enabling AI-Assisted Skills Association With Open Content Network Items [page 54]
Open Content Network Course Import Web Service Parameters [page 30]

5.2 Importing Open Content Network Items Manually

Manually import content from Open Content Network (OCN) partners when you want to make their courses available to your users.

Prerequisites

To import open content, you need to:

- You've enabled OCN providerx.
- You've run the *Open Content Network Content Synchronization* process at least one time. After you run the process, you can see what courses are available from the vendor for import to your system.

Procedure

1. Go to *Content* > *Open Content Network*.
2. Search for the content you want to import.
3. For each course you want to import, select the *Import* check box and then click *Import*.

> **Note**
>
> If the title of a particular course doesn't appear in the course search results, then it's most likely in a different locale than the administrator's preferred locale.

Next Steps

You'll need to add the imported courses to a library to make them available to learners.

Task overview: Open Content Network Administration [page 43]

Related Information

Enabling Automatic Import of Open Content Network Items [page 44]
Adding Learning Items to a Library [page 47]
Searching for Open Content Learning Items [page 48]
Viewing Open Content Network Sessions [page 49]
Activating and Deactivating Open Content Network Learning Items [page 50]
Where Open Content Network Courses Reside [page 51]
Courses Available through Online Content Network [page 52]
Synchronizing Open Content Network Third-Party Provider Course Listings [page 25]

5.3 Adding Learning Items to a Library

Add learning items to a library from the library view when you want to add many learning items to one library.

Prerequisites

When you add learning items to a library, you're simply associating existing learning items with an existing library, so both the library and the learning items must exist already.

Context

Often you know a single library and you want to add many learning items to it. For example, if you added many new networking security learning items, and you want to add them to your information technology (IT) library, you can go to *Learning Activities* > *Libraries*, find the IT library and then add all the network security learning items to the library. If you know one learning item and want to add it to many libraries, then you want to add the learning item to libraries from the learning item view.

Procedure

1. Go to SAP SuccessFactors Learning administration and then go to *Learning Activities* > *Libraries*.
2. Search for the library that you want to add the learning items to, and then edit it.
3. Go to *Items*.
4. Click + *(Add Items)* .
5. Create a search to find the learning items and then click *Search*.
6. In *Add Item to Libraries*, select the *Add* checkbox for each library that should have the learning item.
7. Select *Add Classes* to also add classes based on the learning item.

   When you add classes, users see future classes offered for this learning item when they browse or search for learning. They can enroll into classes, provided that they meet any enrollment rules that you have set up. For example, they might need to seek approval enroll or they could have seats reserved for them.
8. Click the *Add* button.

   In the *Items* tab for *Libraries*, the search bar is enabled when records are present and is used to filter results. Searching for *Items* by title or ID returns relevant results.

Next Steps

Set the library options for each learning item or change their library prices.

Task overview: Open Content Network Administration [page 43]

Related Information

Enabling Automatic Import of Open Content Network Items [page 44]
Importing Open Content Network Items Manually [page 45]
Searching for Open Content Learning Items [page 48]
Viewing Open Content Network Sessions [page 49]
Activating and Deactivating Open Content Network Learning Items [page 50]
Where Open Content Network Courses Reside [page 51]
Courses Available through Online Content Network [page 52]

5.4 Searching for Open Content Learning Items

Search for learning items that were created from the Open Content Network (OCN) when you want to find MOOC courses in the Learning Management System (LMS).

Prerequisites

You have enable OCN and imported at least one course.

Procedure

1. Go to *Learning Activities* > *Items*.
2. In *Item Classification*, click the filter button.

   If you do not see *Item Classification*, click *Add/Remove Criteria* to add it to your search page.
3. Select EXTERNAL-COURSE and then click *Add to Filter*.

   When you add EXTERNAL-COURSE to the filter, you filter in OCN courses.
4. Click *Submit Filter*.
5. In *Item Sources*, click the filter button.

   If you do not see *Item Sources*, click *Add/Remove Criteria* to add it to your search page.
6. Select the individual OCN provider that you want to search for and submit the filter.
7. Configure the rest of the search as necessary and then click *Search*.

Task overview: Open Content Network Administration [page 43]

Related Information

Enabling Automatic Import of Open Content Network Items [page 44]
Importing Open Content Network Items Manually [page 45]
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Courses Available through Online Content Network [page 52]

5.5 Viewing Open Content Network Sessions

View Open Content Network (OCN) sessions to see upcoming live sessions for a learning item that has been created through OCN import.

Procedure

1. Go to SAP SuccessFactors Learning and then go to *Learning Activities* > *Items*.
2. Find and open the learning item that you want to check.
3. Go to *OCN Course Sessions*.

Task overview: Open Content Network Administration [page 43]

Related Information

Enabling Automatic Import of Open Content Network Items [page 44]
Importing Open Content Network Items Manually [page 45]
Adding Learning Items to a Library [page 47]
Searching for Open Content Learning Items [page 48]
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Courses Available through Online Content Network [page 52]

5.6 Activating and Deactivating Open Content Network Learning Items

You can activate and deactivate Open Content Network (OCN) learning items in bulk to hide or show them in users' libraries.

Prerequisites

- You must have the*Activate/Deactivate Learning Content Network* permission in your role.
- To view disabled Open Content Providers with active items from *Open Content Network Deactivation*, the `providers[<specific provider name>].enabled` property for each provider must be set to **`false`**.
- To view inactive Open Content Providers from *Open Content Network Item Reactivation*, the `providers[<specific provider name>].enabled` property for each provider must have been disabled at one time, and then changed the property to **`true`**.

Context

Open Content Network (OCN) allows you to create learning items that link from SAP SuccessFactors Learning to an OCN provider. An OCN provider is a vendor of online content. The OCN provider hosts the online learning content. The learning items in SAP SuccessFactors Learning link to the hosted content.

Because the content remains on the OCN provider site, you might want to disable access to one provider's content. For example, if you decide not to renew a contract with a provider but think you might renew it in the future, you can disable the providers' learning items to hide them throughout the system without deleting them.

When a record is inactive, most of the system does not include that record in searches or reports. Some searches and reports allow administrators to include inactive records. Deactivating (instead of deleting it) hides it from view but keeps it for historical record. Because you cannot restore a deleted record, we recommend that you delete a record when you make a mistake (for example, if the record ID is simply incorrect) or as part of your data privacy practice.

Procedure

1. Go to *Content* > *Activate/Deactivate OCN Courses*.

   You see a list of providers that have learning items in your system and you see them in two different lists:
   - *Open Content Network Deactivation* contains providers that have active content that you can deactivate in bulk.
   - *Open Content Network Item Reactivation* contains providers that were active at one time, that you deactivated in bulk, and that you can reactivate.

2. To inactivate or deactivate a provider's learning items, select the provider from the list and then click *Apply Changes*.
3. Review the list of courses that will be changed and then click *Continue*.

   Activation and deactivation are large jobs so it's likely that you need to run a background job. Follow the instructions on the screen to run a background job.

Task overview: Open Content Network Administration [page 43]

Related Information

Enabling Automatic Import of Open Content Network Items [page 44]
Importing Open Content Network Items Manually [page 45]
Adding Learning Items to a Library [page 47]
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Where Open Content Network Courses Reside [page 51]
Courses Available through Online Content Network [page 52]

5.7 Where Open Content Network Courses Reside

Open Content Network content always exists on the provider's site.

If a SAP SuccessFactors Learning course includes online content from a Massive Online Open Course (MOOC), the MOOC content that is served from the MOOC provider's website. SAP SuccessFactors Learning does **not** import or serve the content but the SAP SuccessFactors Learning course does track learners' completion of the content.

Parent topic: Open Content Network Administration [page 43]

Related Information

Enabling Automatic Import of Open Content Network Items [page 44]
Importing Open Content Network Items Manually [page 45]
Adding Learning Items to a Library [page 47]
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Courses Available through Online Content Network [page 52]

5.8 Courses Available through Online Content Network

If you connect your Massive Online Open Content (MOOC) provider through Online Content Network (OCN), their entire catalog is available to you.

When you connect a supported MOOC provider through OCN, you have access to its entire content catalog. Courses are increasingly being developed for corporate training in subjects like big data, energy, entrepreneurship, finance, risk management, cybersecurity, constitutional law, and leadership. The courses for corporate training are in addition to traditional MOOC subject areas in computer science, math, statistics, programming, public health, and other traditional higher education subjects.

> **Note**
>
> By using a feature like learning programs or recommended links, you can make any MOOC content that is public on the web available to your users. But by using OCN, you can track user participation as a standard learning item and users can launch password-protected MOOC content directly from their assignments list and search for it in the catalog as if it were any other learning item.

Parent topic: Open Content Network Administration [page 43]

Related Information

Enabling Automatic Import of Open Content Network Items [page 44]
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Where Open Content Network Courses Reside [page 51]

6 Activating Learning Currencies

Activate currencies in Learning to enable them for Learning Commerce.

Context

Learning currencies allow you to charge for learning in the users' local currencies and to account for costs in multiple currencies. Add currencies for economies where you operate and where you need financial transactions. Financial transactions that rely on currencies include charge back adjustments, order management, master inventory, cancellation policies, and account codes.

> ⓘ Note
>
> The currency names and alphabetical codes are based on ISO 4217. For a complete list of the currency names and code elements, go to the ISO official web site.

> ⓘ Note
>
> Learning currency metadata values are used by Learning and not by any other SAP SuccessFactors modules.

Procedure

1. Go to Learning Administration, and then go to *References* > *Finanace* > *Currencies* .
2. Search and edit the currency that you want to add to Learning. When searching, set the **Active** criteria to **Not Active** or **Both** when trying to add a new currency.
3. Select *Active*
4. Click *Apply Changes*.

7 Enabling AI-Assisted Skills Association With Open Content Network Items

Enable AI-assisted skills association feature so that you can use AI capabilities to associate skills with Open Content Network (OCN) items, based on the predefined skills provided by the OCN providers.

Prerequisites

- This feature is available by default only if you've enabled any premium AI feature by purchasing the AI units license. For information about the AI units license, please contact your Account Executive.
  We recommend using this feature together with the *AI-assisted Skills Inference for Learning* premium feature.

  > → Remember
  >
  > The *Assisted Skills Association for Open Content Network Items* feature doesn't consume AI units.

- You've imported skills and the associated ratings for OCN items using the API call.
- Ensure that the integration between Learning and SAP SuccessFactors Platform is sealed.
- Ensure that you've upgraded to Talent Intelligence Hub and the integration is complete.
- Ensure the SAP SuccessFactors Platform and Learning are available within the same tenant.
- You have the *Administrator* > *Manage AI Capabilities* > *AI Services Administration* permission.

Best Practice

- Run the skills standardization job before using AI-assisted skill association for Open Content Network items. For details on skills standardization, see Enabling the AI-Assisted Skills Standardization Setting and Supported Languages.
- Enable the automatic import of OCN items, which streamlines the automatic skill association process.

Procedure

1. Go to *Admin Center* > *AI Services Administration*.
2. In the *Learning* section, select the *Assisted Skills Association for Open Content Network Items* option.

   > ⓘ Note
   >
   > We recommend enabling the option before providers import their data through API calls.

Results

When the feature is enabled, AI identifies and standardizes the skills provided by OCN providers with the skills available in the Talent Intelligence Hub. As OCN items are imported—either manually or through auto-import—the standardized skills are then associated with the items.

> **Note**
>
> If a matching skill already exists in the Talent Intelligence Hub, it's automatically tagged to the OCN item. If a skill is new, it appears as **inferred** in the Talent Intelligence Hub. Only **confirmed** skills from Talent Intelligence Hub are associated with learning items. For more information about changing a skill's status from inferred to confirmed, see Overview of AI-Assisted Skills Architecture Creation.

If you want to disable the feature for a **specific provider**, go to *Configuration* > *System Configuration* > *OPEN CONTENT NETWORK*, and add `defaultValues.AIAssistedSkillAssocitionEnabled[providername]=false` in the specific provider's section. This property can only disable the feature; it can't be set to true.

Next Steps

You can view the associated skills from *Learning Activities* > *Items* > *Attributes*.

Related Information

Open Content Network Course Import Web Service Parameters [page 30]
Enabling Automatic Import of Open Content Network Items [page 44]
Module-Specific Considerations to Remember Before Refreshing the Target Instance

8 Disabling Auto Rating on Item Completion for Specific Open Content Network Providers

You can disable the *Auto Record Competency Rating on Item Completion* option **only** for items from specific Open Content Network (OCN) providers using the `autoRecordAttributeRatingOnItemCompletionEnabled [provider's name]` property.

Context

The default configuration `autoRecordAttributeRatingOnItemCompletionEnabled[default]` (*System Administration* > *Configuration* > *System Configuration* > *OPEN CONTENT NETWORK*) automatically enables the option for all OCN items in bulk when they're imported into Learning. For more information, refer to the **Related Information** section.

> → Tip
>
> The *Auto Record Competency Rating on Item Completion* option is available on the *Item Details* tab of an OCN item.

Procedure

1. Go to *Learning Administration*.
2. Go to *System Administration* > *Configuration* > *System Configuration* > *OPEN CONTENT NETWORK*.
3. In the configuration list, locate and edit the *OPEN CONTENT NETWORK* ID.
4. Add `autoRecordAttributeRatingOnItemCompletionEnabled[provider's name] = False` in the specific provider's section.

   > ⓘ Note
   >
   > If both configurations are set—one at the provider level and another as the default—the default configuration takes precedence over the provider-level configuration. If the default configuration is set to **`false`**, setting the provider-level property to **`true`** doesn't enable the feature for that specific provider, regardless of their specific configuration.

5. Save your changes.

Related Information

OPEN CONTENT NETWORK System Property File [page 12]

9 Currencies Fields

In SAP SuccessFactors Learning, you use these fields to define currencies that can be used for finance features like cost tracking or purchasing of courses.

This field...	...Is Used as Follows
Label ID	The label ID is what users see next to the currency when it's used as price. For example, to denote the US dollar, when you use the dollar sign '$', you need to use the Label ID "USD".
Active	This flag indicates if the corresponding currency is Active or Inactive. Inactive currencies can't be used to price items in the system. To use this currency to price or cost learning activities, you must set it to 'active'.
Currency ID	This ID is based on the ISO 4217 currency names and alphabetical code. For a complete list of the currency names and code elements, go to the ISO official web site.
Global Default Currency	This flag indicates if the corresponding currency is the system-wide default currency. The default global currency is set to USD (US dollars). Prices in the system are set to the default global currency.

10 Content Object Launch Methods

Content objects are launched through different methods, depending on their configuration. Understanding content object launch methods will aid you in determining the appropriate content player for a content object.

You can go to *Content* > *Content Objects* > *Launch Method* to launch the content object.

The following table shows how the various launch methods are used.

Programmatic Code	This Launch Method...	Is used as follows...
0	Content Player	
1	Document Type	The operating system determines the player for this content, based on the file types and associations that are registered with the operating system. The player is generally installed on a common internal server, though this technology is seldom used in modern courseware.
2	AICC	Establishes the proper connection between SAP SuccessFactors LearningThe player is generally installed on a common internal server, and the AICC courseware. All AICC content objects should be Web browser-based.
3	Browser	The system utilizes the user's browser to launch and run the selected content object inline.
4	SCORM 1.2	Establishes the proper connection between SAP SuccessFactors Learning and the SCORM-based, version 1.2 courseware.

Programmatic Code	This Launch Method...	Is used as follows...
5	SCORM 2004	Establishes the proper connection between SAP SuccessFactors Learning and the SCORM-based, version 2004, 2nd edition courseware. **Note** While SCORM 2004 3rd edition isn't a supported version, this setting can be used with SCORM-based, version 2004, 3rd edition courseware if the features match those available in the 2nd edition. Features unique to SCORM 2004 3rd edition, such as branching, won't work.
6	SCORM 2004 4th Edition	Establishes the proper connection between SAP SuccessFactors Learning and the SCORM-based, version 2004, 4th edition courseware.

11 Locale Codes for SAP SuccessFactors Learning

These are the IDs of locales for SAP SuccessFactors Learning.

The code in SAP SuccessFactors Learning	ISO Language Code	ISO Country Code	Values to be passed with the API call
Arabic	ar	SA	ar_SA
Brazilian Portuguese	pt	BR	pt_BR
Bulgarian	bg		bg
Catalan	ca	ES	ca_ES
Chinese	zh		zh
Chinese Hong Kong	zh	HK	zh_HK
Croatian	hr		zh_TW
Chinese Taiwan	zh	TW	hr
Czech	cs		cs
Danish	da		da
Dutch	nl		nl
English	en		en
English Canadian	en	CA	en_CA
English United Kingdom	en	GB	en_GB
Finnish	fi		fi
French	fr		fr
French Canadian	fr	CA	fr_CA
German	de		de
Greek	el		el
Hebrew	iw	IL	iw_IL

The code in SAP SuccessFactors Learning	ISO Language Code	ISO Country Code	Values to be passed with the API call
Hindi	hi		hi
Hungarian	hu		hu
Indonesian	in		in
Italian	it		it
Japanese	ja		ja
Korean	ko		ko
Malay	ms		ms
Norwegian	no		no
Polish	pl		pl
Portuguese	pt		pt
Romanian	ro		ro
Russian	ru		ru
Serbian	sr		sr
Slovak	sk		sk
Slovenian	sl		sl
Spanish	es		es
Spanish Mexican	es	MX	es_MX
Swedish	sv		sv
Thai	th		th
Turkish	tr		tr
Ukrainian	uk	UA	uk_UA
Vietnamese	vi		vi
Welsh	cy	GB	cy_GB

Important Disclaimers and Legal Information

Hyperlinks

Some links are classified by an icon and/or a mouseover text. These links provide additional information.
About the icons:

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