

Create a SAML profile in KMC

Last Modified on 02/17/2026 4:12 pm IST

 This article is designated for administrators.

About

This article explains how to create a SAML profile in the Kaltura Management Console (KMC).

A SAML profile connects Kaltura to your organization's Identity Provider (IdP), such as Azure or Okta, allowing users to sign in with single sign-on (SSO) using their existing credentials.

During setup, you exchange configuration details between Kaltura and your IdP so both systems trust each other.



Currently, only SAML is supported for self-serve setup.

Prerequisites

To create a SAML profile, you must:

- Be an IdP Admin or have access to IdP configurations.
- Be logged into the KMC. For instructions on logging into the KMC, see [Log into the KMC](#).



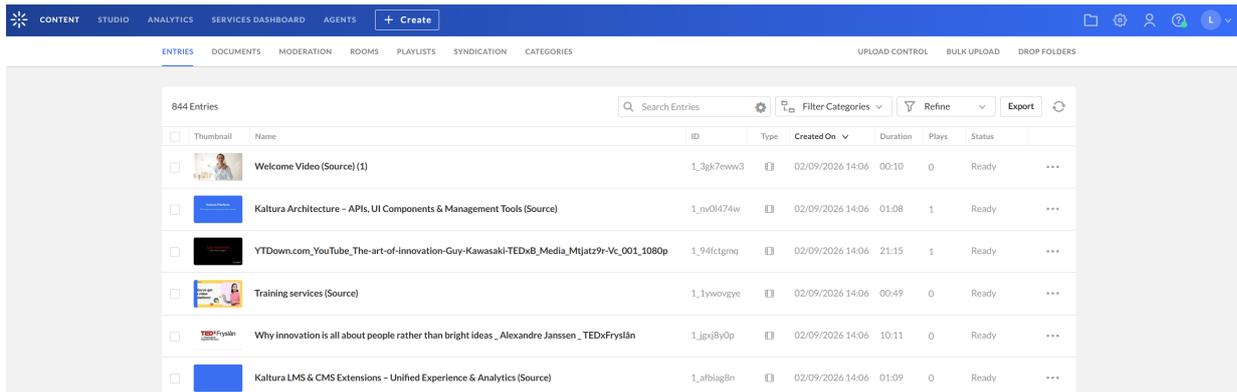
Event customers - Please use the same credentials to log into the KMC that you use to log into Kaltura Events.

- Have the **Authentication** tab enabled in the KMC. If this tab is unavailable, please contact your Kaltura representative about adding it.

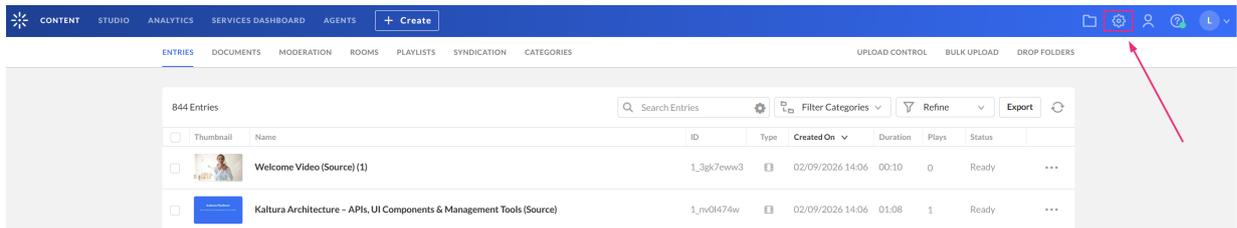
Create a SAML profile

1. Log into your KMC.

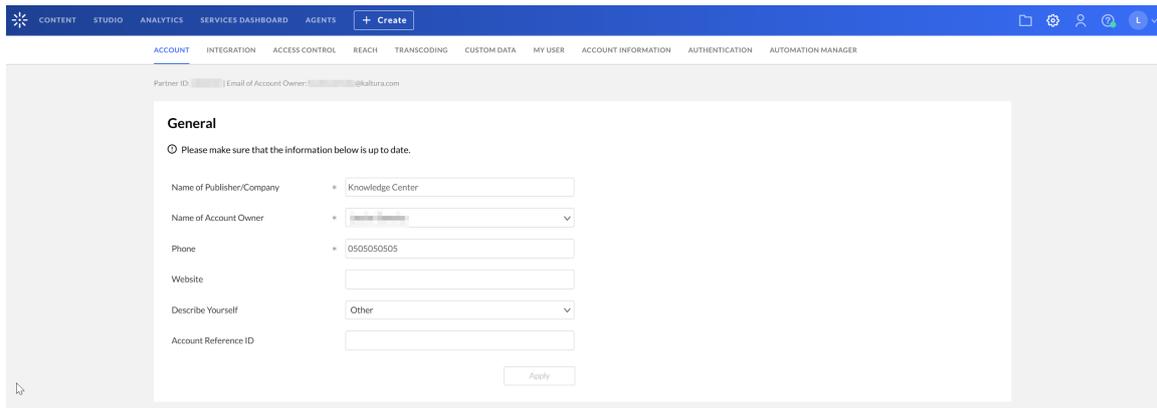
The **Entries** page displays by default.



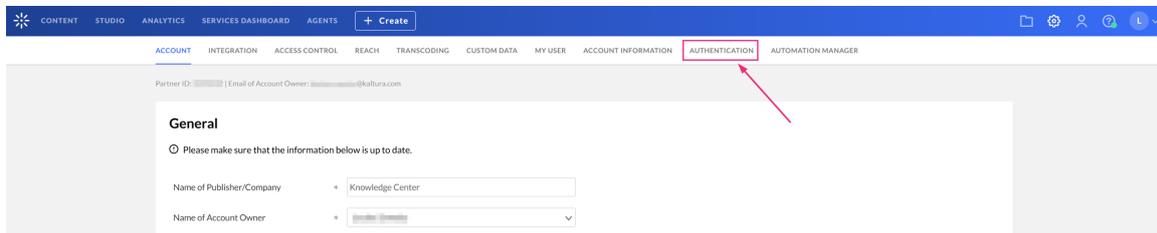
2. Click the **settings (gear) icon** at the top right of the page.



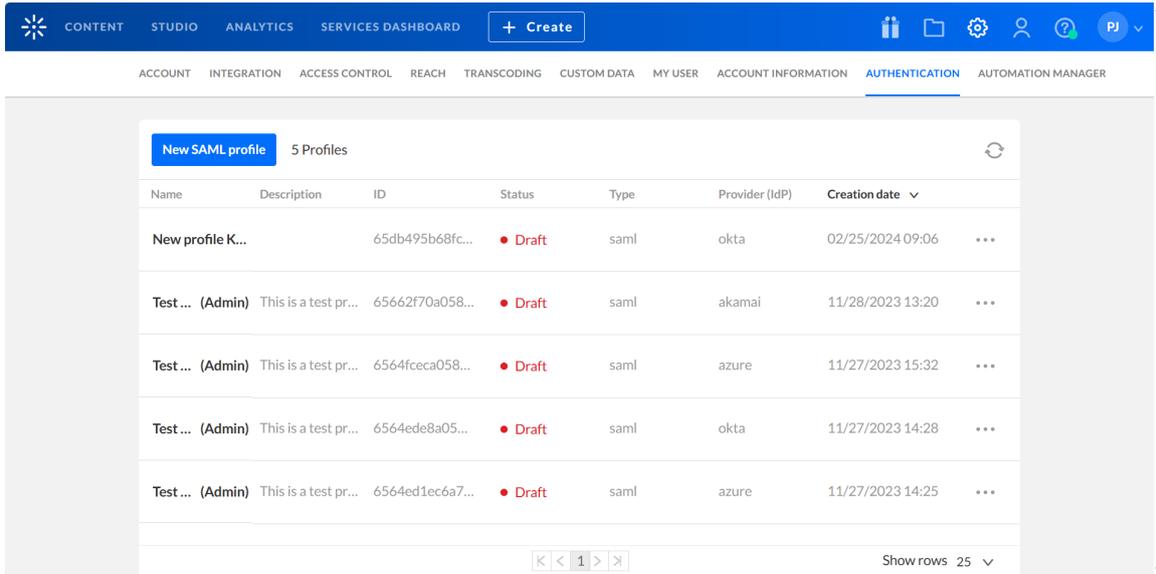
The 'Account' settings page displays.



3. Click the **Authentication** tab at the top right.



The 'SAML profiles' page displays.



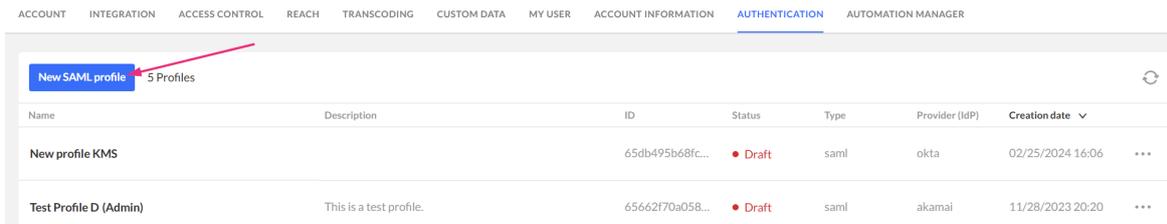
New SAML profile 5 Profiles

Name	Description	ID	Status	Type	Provider (IdP)	Creation date	
New profile K...		65db495b68fc...	Draft	saml	okta	02/25/2024 09:06	...
Test... (Admin)	This is a test pr...	65662f70a058...	Draft	saml	akamai	11/28/2023 13:20	...
Test... (Admin)	This is a test pr...	6564fceca058...	Draft	saml	azure	11/27/2023 15:32	...
Test... (Admin)	This is a test pr...	6564ede8a05...	Draft	saml	okta	11/27/2023 14:28	...
Test... (Admin)	This is a test pr...	6564ed1ec6a7...	Draft	saml	azure	11/27/2023 14:25	...

1 | Show rows 25

If no profiles exist, the list is empty and reads "No Results".

4. Click **New SAML profile**.



New SAML profile 5 Profiles

Name	Description	ID	Status	Type	Provider (IdP)	Creation date	
New profile KMS		65db495b68fc...	Draft	saml	okta	02/25/2024 16:06	...
Test Profile D (Admin)	This is a test profile.	65662f70a058...	Draft	saml	akamai	11/28/2023 20:20	...

The 'Create profile' screen displays.

Create profile

Name *

Description

Provider

Admin profile Set as admin application profile

Visit our [SSO profile configuration article](#) for a step-by-step guide

5. Enter the following information:

- **Name** (Required) - Type a name for your new SAML profile (max 255 chars).
- **Description** - Type a description for your new SAML profile (max 512 chars).

- **Provider** - Choose the appropriate provider from the dropdown list (Azure, Okta, AWS, Akamai, or Other).
- **Admin profile** - Select this option to allow this SAML profile to be used to sign into Video Portal or KAF administration pages. You can't change this setting after the profile is saved.

When selected:

- All Video Portal and KAF applications in the account are automatically subscribed to this profile.
 - If more than one SAML profile is set as an admin profile, admins are prompted to choose an authentication option after clicking **Use single sign-on**.
 - If two-factor authentication is enabled at the account level, it is enforced for Video Portal admin access.
 - Enable the **Block direct login for SSO users** in the KMC to prevent password-based login.
6. Click **Next**. The button is enabled only after all required fields are completed.

You are re-directed to the **Edit profile** page of the newly created SAML profile.

Edit profile
Cancel Save

Visit our [SSO profile configuration article](#) for a step-by-step guide

Name *

Description

Provider

Service provider settings

Click here to download SP metadata via [XML file](#) or [URL](#)

Single sign on URL ? 🔗

Entity ID ? * 🔗

Sign SAML Request ?

Signing certificate ? 🔗

Encryption ?

Encryption key ? 🔗

Identity provider settings

Copy the following from the IdP and paste in the text boxes below:

Login URL ? *

Logout URL ?

IdP certificate ? *

Metadata URL ?

Attribute statements

Type in the attribute name, as it appears in the SAML assertion, into the provider name text-box. Map it to the Kaltura attribute statements by selecting a Kaltura attribute statement from the dropdown menu.

For custom attributes, type in both the provider custom name, and Kaltura custom name.

Provider name	Kaltura / custom name
<input type="text"/>	Core_User_Email ?
<input type="button" value="+ Add Kaltura attribute"/>	<input type="button" value="+ Add custom attribute"/>

[Show advanced settings](#)

Configure service provider settings

In this section, copy the Kaltura values and provide them to your IdP.



Instead of copying the service provider settings below manually, you can download them as an **XML** file or **URL** and upload them to your IdP. The IdP uses this file to

automatically populate the Kaltura settings shown below.

Service provider settings

Click here to download SP metadata via [XML file](#) or [URL](#)

- **SSO URL** - Copy this value and provide it to your IdP. After users sign in, the SAML response is sent to this URL. This is also known as the Assertion Consumer Service (ACS) URL.
 - **Entity ID** (required) - A default value is provided. You can change it, but it must be unique per profile. Copy this value and provide it to your IdP.
 - **Sign SAML Request** - Enable to sign authentication requests. Confirm to save the profile. The IdP validates the request using the public key in the Signing certificate field.
 - **Signing certificate** - Displayed when Sign SAML request is enabled. Copy this public key and provide it to your IdP to validate signed requests.
 - **Encryption** - Enable to encrypt SAML responses. Assertions are encrypted using the public key in the Encryption key field.
 - **Encryption key** - Available when enabled. Copy this public key to your IdP.
- **Identity provider settings**
 - Copy the following values from your IdP and enter them here:
 - **Login URL** (required) - Enter the Single Sign-on URL provided by your IdP. Typically, it will appear as `<SingleSignOnService Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect"/>`
 - **Logout URL** - Enter the Single Logout URL provided by your IdP. Typically, it will appear as `<SingleLogoutService Binding="urn:oasis:names:tc:SAML:2.0:bindings:HTTP-Redirect" .../>`
 - **IdP certificate** (required) - Paste the certificate used by your IdP to sign SAML responses.
-  When pasting the certificate, remove the comment lines and spaces (e.g., -----BEGIN CERTIFICATE----- and -----END CERTIFICATE-----) to ensure it is a single, continuous line without any breaks.
- **Metadata URL** (optional) - Enter your IdP metadata URL to allow Kaltura to automatically update the signing certificate before it expires.

- Attribute statements

Map the user attributes sent by your IdP to Kaltura fields.

When a user signs in, your IdP sends user information (such as email or group membership). In this section, you define how that information is stored in Kaltura.

Map the required email attribute

Core_User_Email is required.

In the **Provider name** field, enter the attribute name from your IdP that contains the user's email address. Ensure it is mapped to **Core_User_Email** in the **Kaltura / custom name** column.

For example, if your IdP sends the email attribute as *mail*, enter *mail* as the Provider name.

To map more attributes:

- Click **+ Add Kaltura attribute** to map an IdP attribute to an existing Kaltura field.
- Click **+ Add custom attribute** to create a new custom field in Kaltura and map an IdP attribute to it.
- Click **Remove** next to a row to delete a mapping.

Click **Show advanced settings** to configure group mapping and additional options.

-

Attribute statements

Type in the attribute name, as it appears in the SAML assertion, into the provider name text-box. Map it to the Kaltura attribute statements by selecting a Kaltura attribute statement from the dropdown menu.

For custom attributes, type in both the provider custom name, and Kaltura custom name.

Provider name	Kaltura / custom name
<input type="text"/>	Core_User_Email ⓘ
<input type="button" value="+ Add Kaltura attribute"/>	<input type="button" value="+ Add custom attribute"/>

[Show advanced settings](#) 

Group attribute statements

Use this section to control how user groups from your IdP are handled in Kaltura.

Group attribute statements

Group attribute name 

Create new groups 

Remove from existing groups 

User group mapping

Sync all user groups 

[+ Add group attribute](#)

Additional settings

NameID format  

[Hide advanced settings](#)

- **Group attribute name** - Enter the name of the IdP attribute that contains the user's group values. This should match the attribute you mapped in the **Attribute statements** section.
- **Create new groups** - Enable to automatically create new groups in Kaltura if they exist in your IdP but do not yet exist in Kaltura.
- **Remove from existing groups** - Enable to automatically remove users from Kaltura groups if they are removed from the corresponding group in your IdP.

User group mapping

Use this section to control how IdP groups map to Kaltura groups.

- **Sync all user groups** - If **enabled**, all groups sent by your IdP are automatically created and synced in Kaltura. Group names remain the same. If **disabled**, you can manually define which groups to sync.

To manually map groups:

- Click **+ Add group attribute**.
- In **Provider name**, enter the attribute name from your IdP that contains group information.
- In **Kaltura name**, enter the corresponding Kaltura group field.

(You can click the **red remove icon** to delete a mapping.)

User group mappingSync all user groups

Map the providers attributes to your Kaltura schema:

Provider name

Kaltura name

[+ Add group attribute](#)

- **Additional settings**

- **Identifier format response** - Select the required Name ID format from the drop-down menu.
- (You can click the **red remove icon** to clear the selected value.)

Additional settingsIdentifier format response urn:oasis:names:tc:SAML:2.0:nameid-format:emailAddress [Hide advanced settings](#)

- When finished, click **Save**.



To learn more about subscribing applications to your newly created SAML profile, see [Subscribe KMC and Event accounts to Auth Broker profiles](#).

User experience after enabling an admin profile

- **Admin login using single sign-on** - Admins can click **Use single sign-on** on the Video Portal admin login page to authenticate using the configured SAML profile.

Virtually live 2024 Admin access

Log in using your Kaltura account

Email

Password

[Use single sign-on](#) [Cancel](#)



- **Two-factor authentication** - If two-factor authentication is enabled at the account level, admins are prompted to enter an authentication code after signing in.

Password

Enter authentication code

[What's authentication code?](#)

Login

- **Multiple admin SAML profiles** - If more than one SAML profile is set as an admin profile, admins are prompted to choose an authentication option after clicking **Use single sign-on**.

Virtually live 2024 Admin access

Choose an authentication options

Admin Profile for KMC

Admin profile for EP

[Cancel](#)