

Configure Zoom integration for Kaltura On-Prem using Server-to-Server OAuth

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 This article is designated for administrators.

About

This article explains how to configure the **Zoom** integration for **Kaltura On-Prem** using **Server-to-Server OAuth**.

Use this procedure for new integrations and when migrating from JWT to Server-to-Server OAuth.



Server-to-Server OAuth replaces the legacy JWT-based integration, which is no longer supported. Remove any existing JWT-based Zoom integration before proceeding.

Server requirements

Before configuring Zoom, make sure the following requirements are met:

- The following plugins are installed in the `plugins.ini` configuration file:
 - **ZoomDropFolder**
 - **Zoom**
 - **Vendor**
- All relevant deployment scripts have been run
- In `vendor.ini`, the **ZoomAccount** section is empty (clientId, clientSecret, and verificationToken)
- Server code version:
 - **18.18.1** and above (kaltura-onprem-base-18.18.0-5.noarch.rpm) or **19.16.0** and above to support Server to Server OAuth
- Ansible version **v23.3.4** and above

Integration workflow

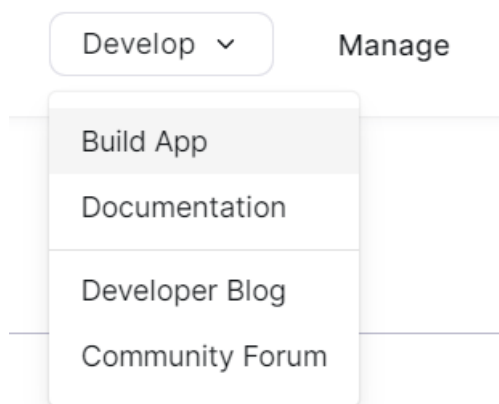
Account setup

To set up Zoom processing for a single partner ID (PID):

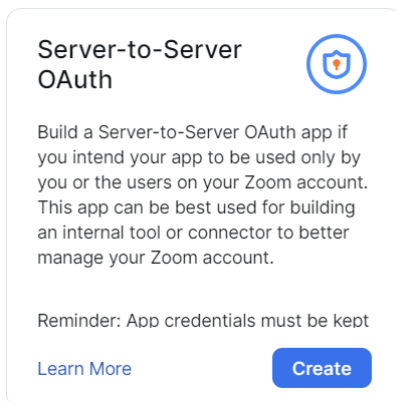
1. Create a Zoom Server-to-Server OAuth app
2. Set Zoom secrets in Ansible `zoomintegration` file
3. Deploy `vendor.ini` using Ansible
4. Create the Zoom vendor integration and drop folder

Create a Zoom server-to-server OAuth app

1. Go to the Zoom Marketplace at <https://marketplace.zoom.us> and sign in as a Zoom administrator.
2. From the **Develop** drop-down menu, select **Build App**.



3. Under **Server-to-Server OAuth**, click **Create**.



4. Name the app *Kaltura Server-to-Server OAuth*.

From the **App Credentials** page, copy the following values (these are associated with a specific PID and are required later):

- Account ID (`zoom_account_id`)

- Client ID (`zoom_client_id`)
- Client Secret (`zoom_client_secret`)

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 UPLOAD

Kaltura Server-to-Server OAuth

Intend to publish: No Account-level app **Server-To-Server OAuth**

App Credentials

Use the credentials to access Zoom APIs from your app. Make sure to securely store the credentials. Do not store them in public repositories.

App Credentials

Account ID

Uq3di63JSMGQo1Vf2EF6Lg
Copy

Client ID

8SC_9h6iS8Gy0iLhvtmpKA
Copy

Client Secret

.....
Copy
Regenerate

< Back
Continue

5. Click **Continue**.

6. Select the **Information** tab, and complete the following:

- Company name
- Developer name and email

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 UPLOAD

Kaltura Server-to-Server OAuth

Intend to publish: No Account-level app **Server-To-Server OAuth**

Information

Basic Information

App Name

Kaltura Server-to-Server OAuth
30/50

Short Description

Describe your app's core features in 1-2 sentences. This will show on the app listing card.

Short Description
0/150

Company Name

ACME Inc.

Developer Contact Information

Provide your corporate email for announcements including new Marketplace/API updates, breaking changes, and other updates that have impact on your app.

Name

John oe

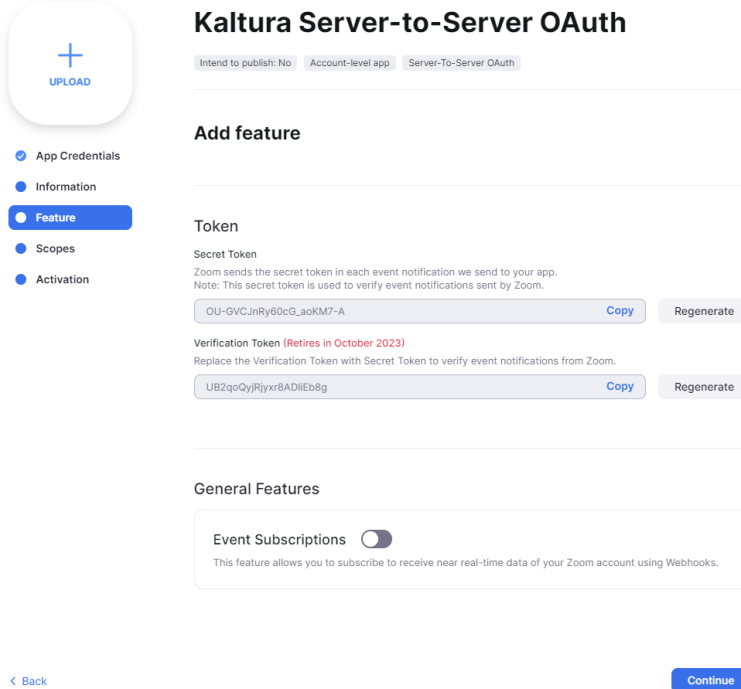
Email

john.doe@acme.com
Copy

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Continue

7. Click **Continue**.

8. Select the **Feature** tab, and copy the **Secret Token** (`zoom_secret_token`).



Kaltura Server-to-Server OAuth

Intend to publish: No | Account-level app | Server-To-Server OAuth

Add feature

Token

Secret Token
Zoom sends the secret token in each event notification we send to your app.
Note: This secret token is used to verify event notifications sent by Zoom.

OU-GVC.InRy60cG_acKM7-A [Copy](#) [Regenerate](#)

Verification Token (Retires in October 2023)
Replace the Verification Token with Secret Token to verify event notifications from Zoom.

UB2qoQyjRjyr8ADIEb8g [Copy](#) [Regenerate](#)

General Features

Event Subscriptions

This feature allows you to subscribe to receive near real-time data of your Zoom account using Webhooks.

[< Back](#) [Continue](#)

i The Secret Token isn't currently used by the integration, but it's required for future event support.

9. Select the **Scopes** tab, and click **+Add Scopes**.

10. In the 'Add scopes' window, use the left-hand sidebar to select each Scope Type and then check the required scope:

Meeting: `meeting:read:admin`

Add scopes 7 Added ✕

ⓘ The following scopes are available based on your account privileges. For additional scopes, please please contact your account admin.

- Meeting
- Webinar
- Recording
- User
- Account
- Team Chat
- Marketplace
- Billing
- Contacts
- Dashboard

- View information barriers
information_barriers:read:admin
- View information barriers
information_barriers:read:master
- View and manage information barriers
information_barriers:write:admin
- View and manage information barriers
information_barriers:write:master
- View and manage sub account's user meetings
meeting:master
- View all user meetings
meeting:read:admin

↓ Scroll for more

Done

Webinar: `webinar:read:admin`

Add scopes 7 Added ✕

ⓘ The following scopes are available based on your account privileges. For additional scopes, please please contact your account admin.

- Meeting
- Webinar
- Recording
- User
- Account
- Team Chat
- Marketplace
- Billing
- Contacts
- Dashboard

- View and manage sub account's user webinars
webinar:master
- View all user Webinars
webinar:read:admin
- View and manage all user Webinars
webinar:write:admin
- View live streaming webinar token information
webinar_token:read:admin:live_streaming
- View local archiving webinar token information
webinar_token:read:admin:local_archiving
- This scope allows an app to view an account's users' local recording
webinar token information
webinar_token:read:admin:local_recording

Done

Recording: `recording:read:admin`, `recording:write:admin`

Add scopes

7 Added



i The following scopes are available based on your account privileges. For additional scopes, please please contact your account admin.

Q Search the scope type

- Meeting
- Webinar
- Recording**
- User
- Account
- Team Chat
- Marketplace
- Billing
- Contacts
- Dashboard

- View and manage sub account's user recordings
recording:master
- View all user recordings
recording:read:admin
- View and manage all user recordings
recording:write:admin

Done

User: user:read:admin

Add scopes

7 Added



i The following scopes are available based on your account privileges. For additional scopes, please please contact your account admin.

Q Search the scope type

- Meeting
- Webinar
- Recording
- User**
- Account
- Team Chat
- Marketplace
- Billing
- Contacts
- Dashboard

- View and manage sub account's user information
user:master
- View all user information
user:read:admin
- View users information and manage users
user:write:admin

Done

Account: account:read:admin

Add scopes 7 Added ×

The following scopes are available based on your account privileges. For additional scopes, please please contact your account admin.

Q Search the scope type

- Meeting
- Webinar
- Recording
- User
- Account**
- Team Chat
- Marketplace
- Billing
- Contacts
- Dashboard

- View and manage sub accounts
account:master
- View account info
account:read:admin
- View and manage account info
account:write:admin

Done

Dashboard: dashboard_meetings:read:admin, dashboard_webinars:read:admin

Add scopes 9 Added ×

The following scopes are available based on your account privileges. For additional scopes, please please contact your account admin.

Q Search the scope type

- Meeting
- Webinar
- Recording
- User
- Account
- Team Chat
- Marketplace
- Billing
- Contacts
- Dashboard**

- View sub account's Dashboard data
dashboard:master
- View all users' usage statistics of CRC
dashboard_crc:read:admin
- View overview of usage statistics for Meetings and Zoom Rooms
dashboard_home:read:admin
- View all users' usage statistics of team chat messages and message types
dashboard_im:read:admin
- View all users' meetings information on Dashboard
dashboard_meetings:read:admin
- View all users' webinar information on Dashboard
dashboard_webinars:read:admin

Done

Report: report:read:admin

Add scopes

9 Added ×

i The following scopes are available based on your account privileges. For additional scopes, please please contact your account admin.

Q Search the scope type

- Devices (H323)
- IM Group
- Zoom IQ
- PAC
- Phone
- Report
- Role
- Room
- SCIM2
- SIP Phone

View sub account's report data
report:master

View report data
report:read:admin

Done

11. Click **Done**.

12. Confirm that the following **nine** scopes are listed in the app configuration, as shown below:

- App Credentials
- Information
- Feature
- Scopes
- Activation

Add Scopes

Scopes define the API methods this app is allowed to call, and thus which information and capabilities are available on Zoom. Scopes are restricted to specific resources like channels or files. If your app is submitted to Zoom, we will verify the need for all requested scopes against the features that your app has to offer at the time of review. Please remove unneeded scopes before you submit your app. [Learn more about Zoom's scopes](#)

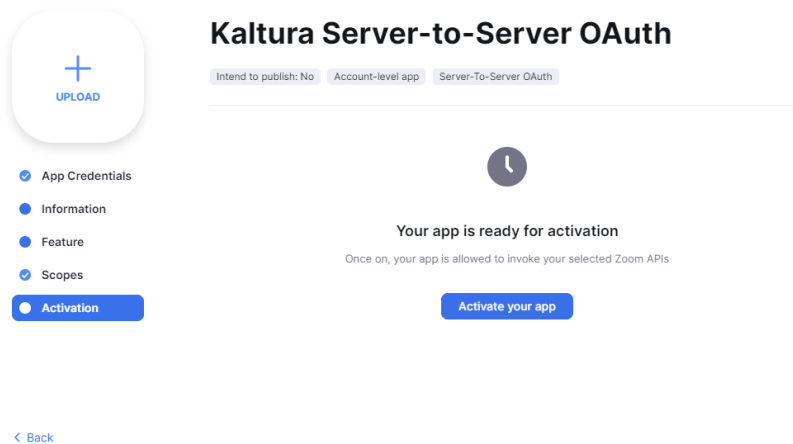
Q Search name, ID, type + Add Scopes

Scope Name / ID	Delete
View account info /account:read:admin <small>Describe how your app intends to use this particular scope</small>	Delete
View all users' meetings information on Dashboard /dashboard_meetings:read:admin <small>Describe how your app intends to use this particular scope</small>	Delete
View all users' webinar information on Dashboard /dashboard_webinars:read:admin <small>Describe how your app intends to use this particular scope</small>	Delete
View all user meetings /meeting:read:admin <small>Describe how your app intends to use this particular scope</small>	Delete
View all user recordings /recording:read:admin <small>Describe how your app intends to use this particular scope</small>	Delete
View and manage all user recordings /recording:write:admin <small>Describe how your app intends to use this particular scope</small>	Delete
View report data /report:read:admin <small>Describe how your app intends to use this particular scope</small>	Delete
View all user information /user:read:admin <small>Describe how your app intends to use this particular scope</small>	Delete
View all user Webinars /webinar:read:admin <small>Describe how your app intends to use this particular scope</small>	Delete

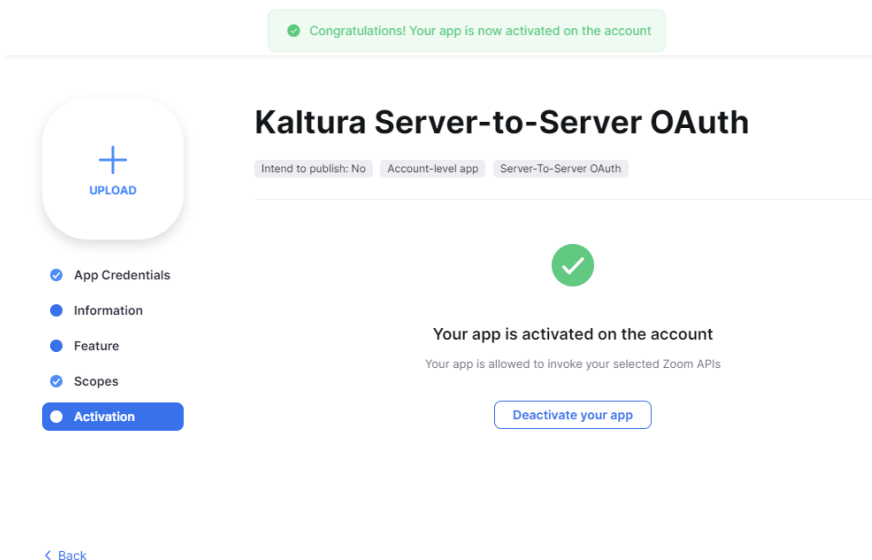
← Back
Continue

13. On the main Scopes page, click **Continue**.

14. To activate the app, select the **Activation** tab from the left navigation, then click **Activate your app**.



A success message displays.



Set Zoom secrets in Ansible

1. SSH to the server running Ansible.
2. Open the Zoom integration file located under:
environment/<env_name>/group_vars/all/
3. Uncomment the `zoom_server_to_server_applications` section if needed.
4. Set the `partner_id` to the PID that will use Zoom processing.
5. Set the following values:
 - `zoom_account_id`
 - `zoom_client_id`
 - `zoom_client_secret`

- `zoom_secret_token`

If multiple partners are required, duplicate the existing partner block under `zoom_server_to_server_applications` and update the values accordingly.

Deploy `vendor.ini` using Ansible

1. SSH to the server running Ansible.
2. Run the playbook in check mode to see the expected changes:

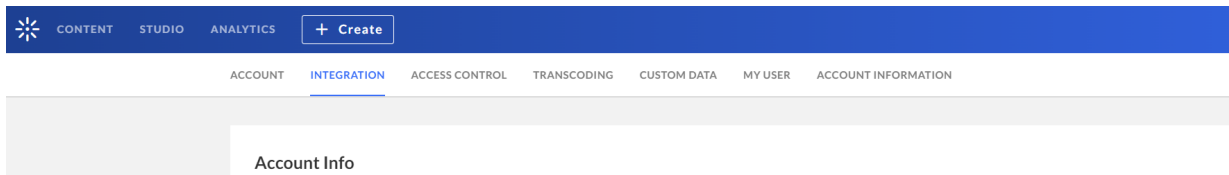
```
cd /etc/ansible
ansible-playbook playbooks/00-Install_01-11.yml --tags inifiles --check
```

3. Verify that only `vendor.ini` is affected.
4. Run the playbook as a real run:

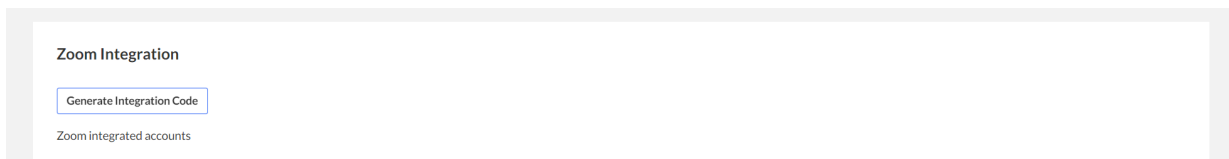
```
ansible-playbook playbooks/00-Install_01-11.yml --tags inifiles
```

Create the Zoom vendor integration and drop folder

1. In Rich Media CMS for the relevant PID, go to **Settings** (gear icon) > **Integration**.



2. Generate the **Zoom integration code** (KS) and copy it.



3. In a text editor, copy and adjust the following URL:


```
https://{api hostname}/api_v3/service/vendor_zoomvendor/action/localRegistrationPage?zoomAccountId={accountID}&ks={ks}
```

- change `{api hostname}` to your specific API hostname
- change `{accountID}` to the actual account ID you obtained from Zoom
- change `{ks}` to the Zoom Integration code (KS) obtained from Rich Media CMS

4. Open the URL in a new browser tab. The registration process creates the vendor

integration and Zoom drop folder for the partner.

5. Configure the integration settings as needed, toggle on **Enable Integration**, and then click **Submit**.



Default User ID

Zoom Category

Zoom Webinar Category

Settings

Enable Integration

Enable meeting upload

Enable webinar upload

Setting owner for recordings

Create new user if no match is found

Enable automatic deletion of files

Enable Transcriptions

Based on Zoom User ID

How matching Zoom users should be handled:

Do not modify Add postfix Remove postfix

Postfix

Based on cms_user_id (SAML mapping)

How meeting participants should be handled:

Add as Co publishers Add as Co viewers Ignore participants

Submit

After submission, your configuration is saved on the vendor integration object, and a success message is displayed:





A Zoom drop folder is created automatically for the partner. Recordings from the Zoom account are uploaded into Kaltura.
