

External Services needed to use OnAIR

Last Modified on 05/08/2024 12:12 am EDT



Want to jump to a particular section? Use the contents tab to the right of this article

Setting up streaming services to integrate with OnAIR

OnAIR is designed to work with the AIRCast streaming service within EventsAir. However, you may also want to use different streaming and webinar platforms such as Zoom, Twilio, Vimeo and YouTube. You can even use a mix of services.

Using AIRCast as your streaming service

The built-in AIRCast streaming platform is a service is provided directly by EventsAir and OnAIR, is very affordable, and eliminates the need for separately licensed external services such as Zoom, Twilio and other platforms. You will still need to license a video storage service such as YouTube or Vimeo if you require this. AIRCast can be enabled for specific events by visiting Event Preferences in Settings and enabling AIRCast for the current event.

Once enabled, you can't later disable AIRCast for that event, **but you're only charged for what's been used, based on the lowest charge possible.** At the end of each month, if you've used AIRCast, we use both pricing models to calculate the lowest cost and you're only charged that amount. **Approximate costs for each of the pricing models are below, and the full current costs are detailed in this article.**

- **Pay-as-you-go — a few cents per minute per attendee**

OR

- **Day Passes — a Day Pass charge of less than a dollar for every attendee PLUS an hourly charge for AIRCast Studio and AIRCast Interpretation Studio usage (includes rehearsals).**

NOTE: AIRCast also provides a Twilio account so when enabled, anything in your event that would normally use Twilio will no longer allow you to select a Twilio option (as AIRCast will take over for these).

Using external streaming services with OnAIR

There are many options, and you can use different platforms for different purposes. You may also need more than one platform. You'll want to consider many aspects, such as: concurrent sessions, webinar license add-ins, number of participants, Internet speeds and more.

This article gives some information about setting up:

- Twilio
- Zoom
- Vimeo
- YouTube
- Vonage

IMPORTANT INFORMATION BELOW – PLEASE READ!

- The products described are external platforms.
- Companies may not alert the OnAIR team with any changes they make to their integrations and APIs.
- Costs may have been updated since they were last communicated to us, so please double-check with service providers and don't rely on this document.
- We strongly recommend you test ALL connections and platforms well in advance.
- If you experience any issues with performance or operation, please contact EventsAir support as soon as possible.
- The images in this article may not appear exactly as they currently do in each platform.

Choosing appropriate external streaming services

- Webinar platforms such as Zoom are typically used to power your sessions, concurrent sessions and targeted sessions.
- Video platforms such as Vimeo or YouTube are used to store pre-recorded videos for playback in the OnAIR portal.
- Twilio is a platform used to power 2-person or small group interactions, such as video chat, exhibitor instant meetings, virtual networking and group functions, Live Support and Meeting Hub.
- Platforms such as Vimeo, Vonage or YouTube are used to host Live Streams of your sessions. These can be produced by professional AV teams or done yourself using Zoom to broadcast a live stream.

Other things to remember:

- Review your program size and format and choose what services best fit your program.
- You are responsible for obtaining your licenses for the services you wish to provide in OnAIR.
- **You'll need** multiple licenses if you plan on offering concurrent sessions if you're using external providers.
- Make sure your webinar licenses provide for the maximum number of participants you expect to host.
- Normally, external connections are set up one time and used for all virtual events you plan to produce.

Where do I set all this up?

- In EventsAir>Application Set Up, (visible only to application administrators), open the External Connections module, and click to add a Live Streaming Platform.

- There are details you need to fill in, such as API Key, you'll obtain from the streaming platform itself (see the Zoom section below for an example).
- For specific set up instructions within EventsAir, you may also want to refer to other articles (for example, [to set up a live stream of a Zoom Meetings Presentation via YouTube or Vimeo.](#))

Twilio

Twilio is free to set up and you pay as you use it (per participant, per minute). There are different charges based on “Small Group” or “Large Group” choices.

[Please note that if you're using AIRCast for your event, it will take the place of Twilio for that event.]

This platform can be used for the following OnAIR features:

- Small webinar sessions up to 40 people plus presenters
- Poster Presentations up to 40 people plus presenters
- Networking Functions (up to 4 people per conversation)
- Group Functions up to 50 people per virtual table
- Exhibitor Instant Meetings (up to 4 people per conversation)
- Exhibitor Prescheduled meetings (up to 4 people per conversation)
- Meeting Hub (2 people)
- Live Support (2 people)

Connecting to Twilio – External Connection Details

1. Navigate to <https://www.twilio.com/>
2. Select **Sign up** to Start Building
3. From there, you will be directed to your account console
4. Navigate to your **Account Console**.
5. You'll see your **Dashboard**. **Locate your Account SID. You'll need this later.**

My first Twilio project Dashboard

Project Info

TRIAL BALANCE

\$15.50

[Get a Trial Number](#)

[How does Twilio use numbers? ↗](#)

REFERRAL PROGRAM

Refer your network to Twilio — give \$10, get \$10.

[Referral Dashboard](#)

ACCOUNT SID

AC61450c7cfab958c839b3ad5cd46683ee

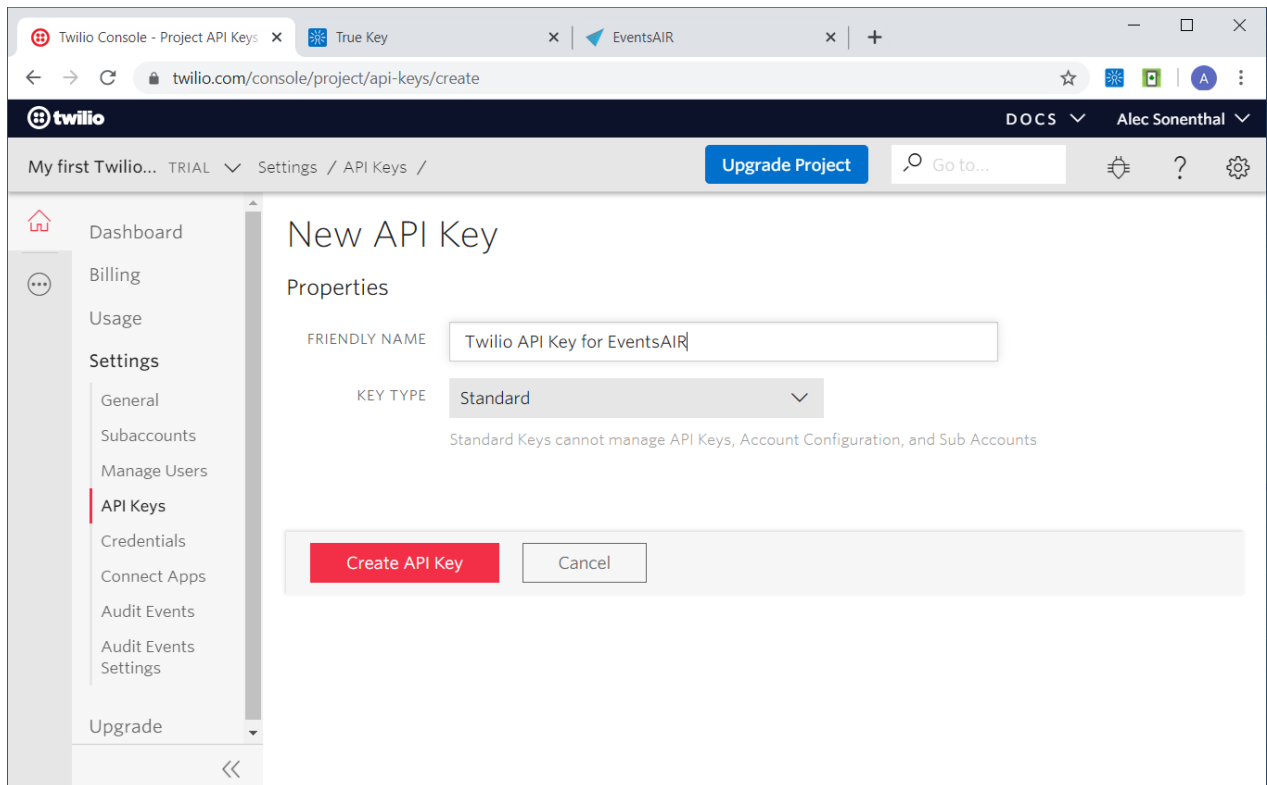


AUTH TOKEN

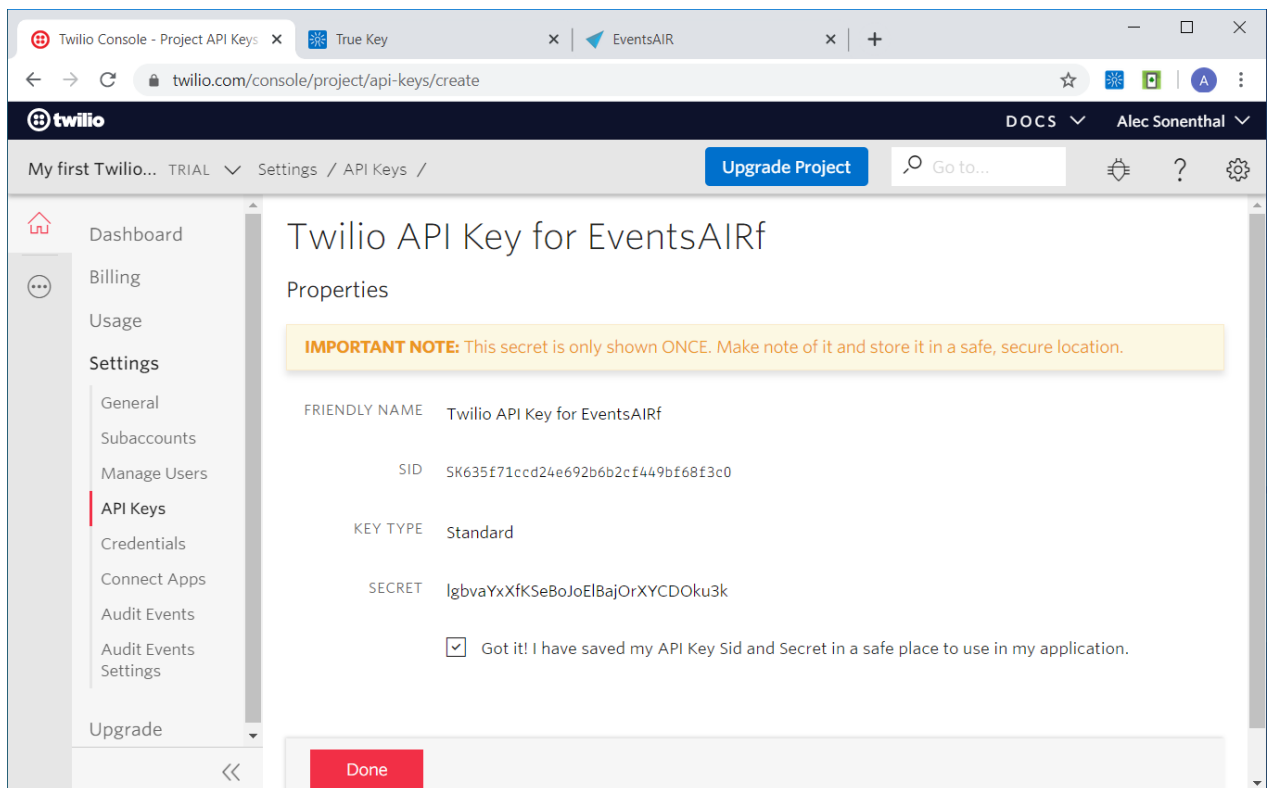
Show



1. Click on **Settings** on the left side menu.
2. Once there, select **API Keys**.
3. Select **New API Key**.
4. Enter a **name** that will easily identify this key, such as Twilio API for EventsAir.



1. Select **Create API Key**.
2. Your **API Key (SID)** and **Secret Key** will appear.



IMPORTANT NOTE: The secret key will ONLY show up once! It is recommended that you copy the SID and Secret Key as text into a secure place if you need it later (don't take a screen shot otherwise you will need to retype this). You will need both the API Key and Secret Key to set up Twilio in EventsAir.

Setting up the external connection to Twilio in EventsAir

1. From the **Event Selection Panel**, click on **Application Setup**.
2. In **Application Setup**, select **External Connections**.
3. Locate **Live Streaming Platform**.
4. Enter your **Name** for this connection (eg Main Twilio Account).
5. Select **Meeting and Small Session (under 50 people)**.
6. Ensure that **Twilio** is selected in the Platform field.
7. Enter a **Description** if needed.
8. Paste your **Account SID**, **API Key** and **Secret Key** into the appropriate fields.

External Connections

Sms Broadcast Australia
3 more

E-commerce Gateway +

PayPal Account +

Email Accounts +

Analytics Accounts +

Native Attendee App Brand Setup +

Social Media API Account Setup +

Authentication API Account Setup +

Live Streaming Platform +

Twilio

Zoom

Single Sign On

Live Streaming Platform Setup

Details

Name* Twilio

Usage* ☒ Meeting and small session (under 50 people)
☐ Large sessions (over 50 people)

Platform* Twilio

Description Primary Twilio account

Account SID* zdHahxGuoL8hKVnoEHhedRtz

API Key SID* xxI4KkXyg790PbFOQtQRHTht

API Secret* X9KQoFrwbxPAzRsr5GQUcboNn

Delete Save

Zoom

Zoom supports virtual sessions for larger audiences, such as plenary sessions. The choice of product will depend on your usage. For OnAIR, you need at least a **Pro** account, and to use it for webinars, a **Zoom Webinar Add-in** is necessary (with the needed number of participants).

Zoom has added new security protocols which require extra steps.

IMPORTANT, PLEASE READ!

Zoom frequently makes changes to their integrations and API solutions and does not always alert us to these changes.

We have just been made aware of changes made in late March and will be updating this article ASAP. In the meantime, you may want to check Zoom's own information pages.

We strongly recommend you test all your connections well in advance of your virtual program, and if you experience any issues with performance or operation, please contact EventsAir support as soon as possible.

When setting up external connections, you may also be able to connect using your client's Zoom Account if you have the access details.

You'll most likely be using Zoom for:

- Webinar sessions
- Interactive workshop sessions

Zoom External Connection Details

To integrate Zoom into EventsAir, you will have to create two Zoom apps and obtain the necessary details for the setup. For security reasons, more information is now required. You need to connect your event to Zoom using the **Server-to-Server OAuth App (not to be confused with the other OAuth App also in Zoom)** and the Meeting SDK App.

Basic instructions on how to do this are below, however Zoom may also make further changes outside of our control.

More information can be found here: <https://developers.zoom.us/docs/zoom-apps/>

The steps below are given for your convenience. They may be subject to change.


The apps you need are created via the [Zoom App Marketplace](#) . Sign into your account.

You must be signed into a Pro account or higher see the right options.

From the **Develop** drop-down, choose **Build App**.

You need to select the Create button for the two apps you need (**Server-to-Server OAuth App** and **Meeting SDK App**).

Server-to-Server OAuth



Build a Server-to-Server OAuth app if you intend your app to be used only by you or the users on your Zoom account. This app can be best used for building an internal tool or connector to better manage your Zoom account.

Reminder: App credentials must be kept

[Learn More](#) [Create](#)

Meeting SDK

Build mobile, desktop, progressive web apps, and hybrid apps that integrate Zoom Client functionalities.

Generate your SDK Key & Secret.

[Learn More](#)

Create

Keep the Zoom app creation tab(s) open and in a separate tab, open EventsAir. You'll need this soon.

Give each app a name:

Server-to-Server OAuth App	Meeting SDK App
	<p>For the SDK App, be sure to also switch OFF the “Would you like to publish in the Zoom App Management” setting.</p>

You will then see the left-hand menu (different for each app, as listed below). As you read or complete each section and press ‘Continue’, it’ll automatically take you to the next item on this left-hand menu.

<p>Server-to-Server OAuth App</p> <p>Left-hand menu items</p>	<p>Meeting SDK App</p> <p>Left-hand menu items</p>
--	---

App Credentials	Information
Information	Download
Feature	App Credentials
Scopes	Feature
Activation	Scopes
	SDK Activation

- In both Apps, *Information* is just where you fill in some basic details. For “Developer” name and email, you can put your own details. All other details are optional, although the Meeting SDK will suggest you add descriptions (this type of information, images etc would only be needed if you were making the app public, which you won’t be).
- You don’t need to use *Download* (which is only in the Meeting SDK App) but if you want to, it’s there so you can download the SDKs for the Operating Systems your app will support.
- *App Credentials* is where you’ll need to copy information from to put into EventsAir (more detail below).
- The *Feature* and *Scopes* settings are different for each app (more details below).

“Scopes” are app permissions. Zoom has user-level, admin-level, and Master-level scopes. You can read more on the Zoom documentation pages. We’ll show you the minimum recommended Scopes set ups in this document.

- You will use *Activation* for the OAuth app, but you don’t need to use *SDK Activation*.

IN EVENTS AIR:

Now, with your Zoom app tab(s) still open, go into EventsAir:

In **Set Up** panel > **External Connections**, add a **Live Streaming Platform** and fill in the following.

You’ll need to look in each Zoom app you’ve created, mostly in the **App Credentials** menu, to get the codes you need for each field, as indicated below:

External Connections

PV (DO NOT USE)

Twitter

Authentication API Account Setup +

Live Streaming Platform +

Search

Test Zoom Streaming Setup

Live Streaming Platform Setup

Details

Name*

Test Zoom Streaming Setup (for example)

Usage*

Meeting and small session (under 50 people)

Large sessions (over 50 people)

Platform*

Zoom

Description

Leave blank or describe however you wish

Server to Server Client Id*

Copy from "Client ID" field in the Server-to-Server OAuth App [in 'App Credentials']

Server to Server Client Secret*

Copy from "Client Secret" field in the Server-to-Server OAuth App [in 'App Credentials']

Server to Server Account Id

Copy from "Account ID" field in the Server-to-Server OAuth App [in 'App Credentials']

Meeting SDK Client Id

Copy from "Client ID" field in the Meeting SDK App [in 'App Credentials']

Meeting SDK Client Secret

Copy from "Client Secret" field in the Meeting SDK App [in 'App Credentials']

Secret Token

Copy from "Secret Token" in the Server-to-Server OAuth App [in 'Feature' section]

End Point Name

Name this however you like

End Point URL

Filling in all the above will generate a URL here for you to copy back into Zoom

Copy URL

External Connections

Text Message Gateway +

Search

Bond Wireless

Bulk SMS Us

Sms Broadcast Australia

3 more

E-commerce Gateway +

Example Gateway

PayPal Account +

Email Accounts +

Analytics Accounts +

Native Attendee App Brand Setup +

Social Media API Account Setup +

Authentication API Account Setup +

Live Streaming Platform +

Single Sign On

Live Streaming Platform Setup

Details

Name*

Usage*

Meeting and small session (under 50 people)

Large sessions (over 50 people)

Platform*

Zoom

Description

Server to Server Client Id*

Server to Server Client Secret*

Server to Server Account Id

Meeting SDK Client Id

Meeting SDK Client Secret

Secret Token

End Point Name

zoom

End Point URL

https://alias.eventsair.com/api/zoomnotification/notify/zoom

Copy URL

Server To Sever OAuth

Intend to publish this? 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

Copy

Client ID

Copy

Client Secret

Copy

Regenerate

IN ZOOM – there are some specific settings for each app, detailed below.

Server-to-Server OAuth App — Feature:

From the Feature section, copy the “Secret Token” and paste it back into EventsAir to the correct field.

EventsAir will generate an Endpoint URL when all the other information is filled in.

Back in Zoom, in the Server-to-Server OAuth App, still in the Feature section:

- Under General Features, switch on (enable) **Event Subscriptions**.
- Click the + **Add Event Subscription** button.
- For **Subscription Name**, you can put anything you like.
- Webhook is selected by default — leave as is.
- For **Event Notification Endpoint URL**, paste the same End Point URL that **EventsAir** has just generated. *This End Point URL is used to confirm ownership and security.*
- Then select the Validate button, to Validate the URL.

Live Streaming Platform Setup

Details

Name*

Usage*

Platform*

Description

Server to Server Client Id*

Server to Server Client Secret*

Server to Server Account Id

Meeting SDK Client Id

Meeting SDK Client Secret

Secret Token

End Point Name

End Point URL

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. Note: This secret token is used to verify event notifications.

Verification Token (Retires in October 2023)

Replace the Verification Token with Secret Token to verify event notifications.

Event Subscriptions

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

Zoom App Marketplace uses Challenge-response check to confirm the ownership and the security of the event notification endpoint URLs. Check the documentation about building response to the challenge to validate your URLs.

EventsAir

Subscription name (Optional)

Name this particular event subscription

EventsAir

Select a method

Webhook

WebSocket BETA

Event notification endpoint URL

Provide a URL to receive subscribed event notifications. This is for your production environment.

https://yourcompany.com/notification

Validate the URL

Validate

Clear Save

At this point, Save your EventsAir set up.

Next, in the Zoom Server-to-Server OAuth App, still in the same section, under Event Types, select +Add Events.

- This is where you add Event Types, which will be Meetings and Webinars as per below:
- In **Event Types**, click **Meeting** and select the checkboxes for “Start Meeting” and “End Meeting”.
- Select “Done”.

Event types

4 Added

Meeting

Webinar

Recording

User

User Activity

Zoom Phone

TSP

Billing

Workspace

Zoom Events

Whiteboard

☒ **Start Meeting**
Required Meeting's Read And Write Scopes

☒ **End Meeting**
Required Meeting's Read And Write Scopes

☐ **Participant joined meeting before host**
Required Meeting's Read And Write Scopes

☐ **Participant was waiting for host to join**
Required Meeting's Read And Write Scopes

☐ **Participant/Host joined meeting**
Required Meeting's Read And Write Scopes

☐ **Participant/Host left meeting**
Required Meeting's Read And Write Scopes

↓ Scroll for more

Done

- Next, click **Webinar** and select the checkboxes for “Start Webinar” and “End Webinar”.
- Select “Done”.

Event types

Meeting

Webinar

Recording

User

User Activity

Zoom Phone

TSP

Billing

Workspace

Zoom Events

Whiteboard

4 Added

☒ Start Webinar
Required Webinar's Read And Write Scopes

☒ End Webinar
Required Webinar's Read And Write Scopes

☐ Participant/Host joined webinar
Required Webinar's Read And Write Scopes

☐ Participant/Host left webinar
Required Webinar's Read And Write Scopes

☐ Webinar has been created
Required Webinar's Read And Write Scopes

☐ Webinar has been updated
Required Webinar's Read And Write Scopes

↓ Scroll for more

Done

- You can leave “Event Notifications” set to “all users”
- Click **Save**, then **Continue**.

Server-to-Server OAuth App — Scopes

Select +Add Scopes to start.

+

UPLOAD

Intend to publish: No

Account-level app

Server-To-Server OAuth

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](#)

Search name, ID, type

+ Add Scopes

< Back

Continue

See below for Scopes for the **Server-to-Server OAuth App**. These are what should be set up as the bare minimum:

Meeting Scopes:

Add scopes
23 Added

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

Search the scope type

Meeting

Webinar
Recording
User
Account
Team Chat
Marketplace
Billing
Contacts
Dashboard

☒ Get a meeting's encoded SIP URI
meeting:read:admin:sip_dialing

☒ View and manage all user meetings
meeting:write:admin

☒ Get CRC dial string with passcode
meeting:write:admin:sip_dialing

☒ View live streaming meeting token information
meeting_token:read:admin:live_streaming

☒ View local archiving meeting token information
meeting_token:read:admin:local_archiving

☒ This scope allows an app to view an account's users' local recording meeting token information
meeting_token:read:admin:local_recording

↓ Scroll for more

Done

Add scopes
23 Added

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

Search the scope type

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 Scopes:

Add scopes

23 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 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:read:admin:local_recording

Done

User Scopes:

Add scopes

23 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 account's user information
user:master

☒ View all user information
user:read:admin

☒ View users information and manage users
user:write:admin

Done

Group Scopes:

Add scopes

23 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

Dashboard

Devices

Group

Devices (H323)

IM Group

Zoom IQ

PAC

Phone

Report

Role

☐ View and manage sub account's groups
group:master

☒ View groups
group:read:admin

☒ View and manage groups
group:write:admin

Done

Server-to-Server OAuth App — Activation

+

UPLOAD

☒ App Credentials

☐ Information

☐ Feature

☒ Scopes

☒ Activation

Test

Intend to publish: No

Account-level app

Server-To-Server OAuth

Your app is ready for activation

Once on, your app is allowed to invoke your selected Zoom APIs

Activate your app

[< Back](#)

When these steps are completed, you should be able to activate the Server-to-Server OAuth App, and will receive a message saying “Your app is activated on the account”.

Now, finish setting up your SDK Meeting app:

SDK Meeting App – App Credentials

You should have already obtained the information you need (Client ID and Client Secret). Leave other fields blank:

+

UPLOAD

Information

Download

App Credentials

Feature

Scopes

SDK Activation

Test Meeting SDK

Intend to publish: No User managed app SDK OAuth credentials

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

Client ID

Copy

Client Secret

Copy

Regenerate

Redirect URL for OAuth

Provide the URL where Zoom can send the access token after the user completes the OAuth authentication.
e.g. <https://yourcompany.com/redirect>

OAuth Allow List

URLs added here are to improve the OAuth redirect security.
Note: Make sure to enter the entire URL or the URL's prefix for the OAuth app. [Learn More](#)

Add Allow List

<https://yourcompany.com/allowlist>

+ Add Allow List

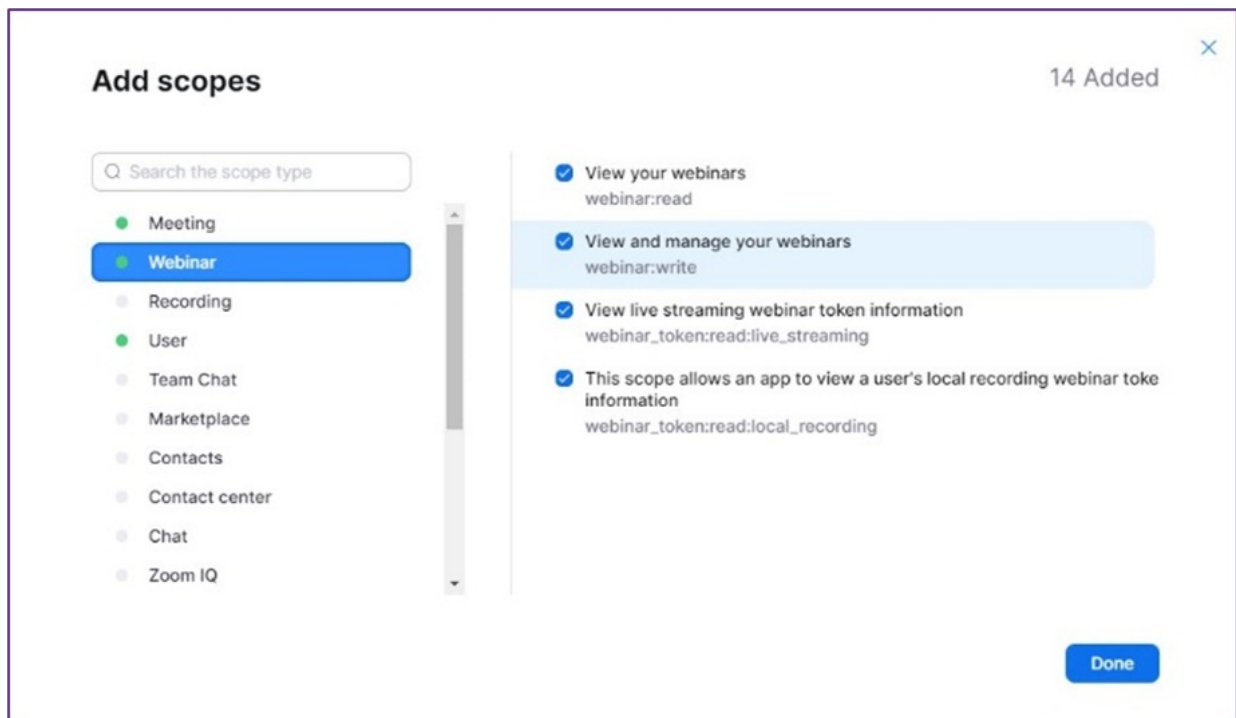
< Back

Continue

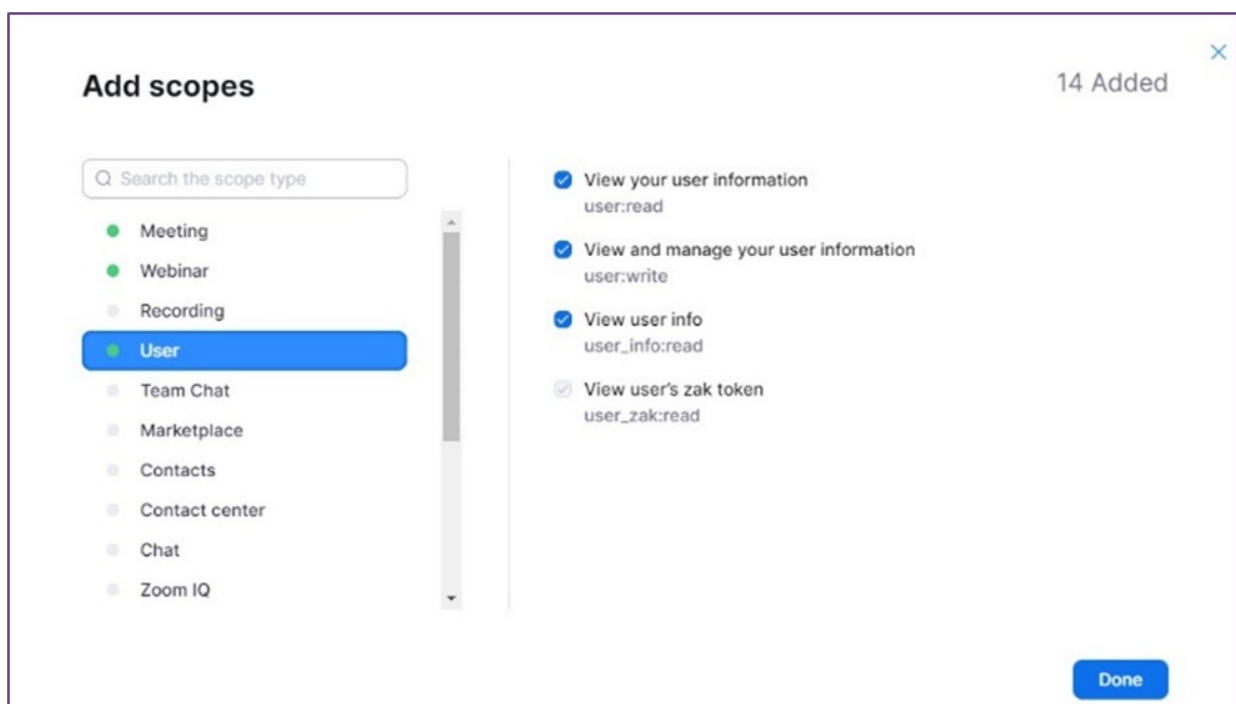
SDK Meeting App — Feature

NOTE — these settings are very different to the OAuth app.

- You don't have to do anything with this Secret Token or Verification Token.
- Switch off Event Subscriptions.
- Switch off Use App on Device.



User Scopes:



SDK Meeting App — SDK Activation screen

You don't need to do anything here.

You'll see a notification that you haven't completed the Redirect URL for OAuth, or the OAuth Allow List.

You may see a prompt to add short and long descriptions.

You don't need to add your app or share with others for it to work with EventsAir.

Vimeo

Vimeo is a platform that supports high-definition video.

There are different packages you can use with Vimeo, and the only significant requirement is that if you plan to offer Live Streaming of sessions within OnAIR, you will need the **Premium account**.

Otherwise, the lower accounts are fine (**Plus, Pro or Business**) and it depends on how much storage of pre-recorded videos you might need. You can always start at a lower package and upgrade any time you wish if your requirements change.

Locating Your Vimeo Video ID

If you are simply uploading videos to Vimeo to play back in the OnAIR Portal, you simply need to upload your video and locate the video ID.

This can be found in the URL for the video, or located in the video link details. Please note you only need the numbers, as shown here in red:

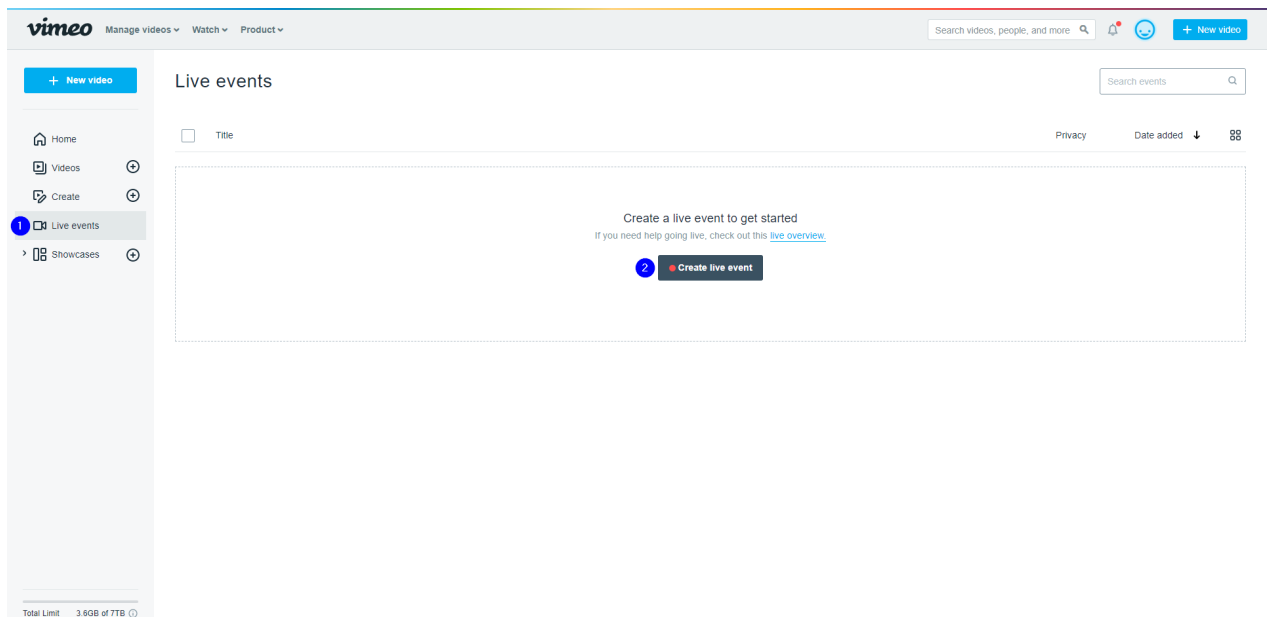
<https://vimeo.com/123456789>

Creating a Vimeo Live Stream

NOTE: In your session set-up, if you choose Vimeo, you have the option to set up a one-time stream or a recurring one. Getting this wrong can cause a broadcast to not work correctly. We VERY strongly recommend only using the recurring stream setting for Vimeo. This allows you to stream multiple sessions without having to set up a new Vimeo stream every time. **However, even if you are only streaming one session, we still recommend using 'recurring'**, in case you have any kind of connection failure during the stream (because that would register as the end of the session, and you can't return to it).

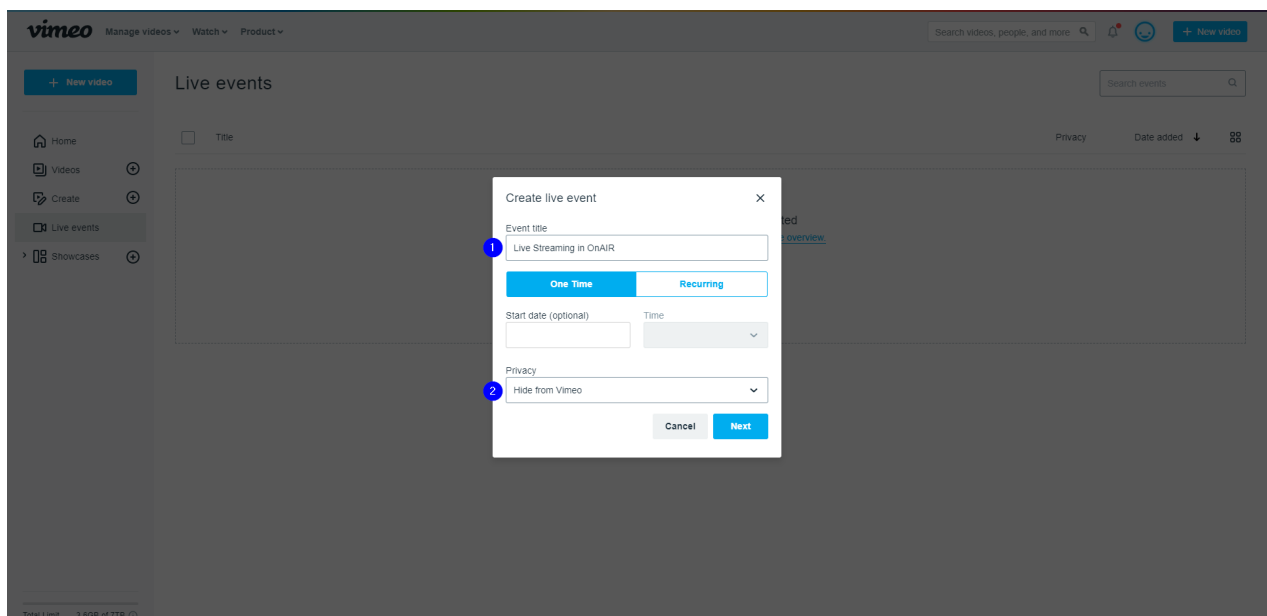
To use Vimeo, you will need to create a live event. Please follow these steps to obtain the information you need:

1. Navigate to **Manage Videos** in Vimeo and select Live Events
2. Click **Create Live Event**.



1. Enter an **Event Title** for your Live Event and select a **Privacy preference**.

Note: We recommend selecting Hide from Vimeo as this will aid in restricting access to just the OnAIR Virtual Event Portal. Click Next.



1. Note down the **Video ID** from the URL in the Link field, i.e. <https://vimeo.com/123456789>, you will need this later in EventsAir.
2. Select **Specific Domains** in the Embed Privacy dropdown and then enter the following **URL** substituting '**alias**' for your EventsAir alias: alias.EventsAir.com.

NOTE: This feature is designed to prevent unauthorized sharing, but it's only supported for Vimeo within the OnAIR portal. Although it's rare, attendees sometimes want to watch a video stream via the Attendee App. In

this case, just provide the direct link to Vimeo.

3. Click on the plus symbol to add the **domain**. Click **Next** to continue.

vimeo Events > Live Streaming in OnAIR Next

Onsite **Embed** Destinations

Link + 1

☐ Chat

Viewing privacy Hide from Vimeo

Embed privacy Specific domains + 2

+

x

Description (optional)

Choose thumbnail Schedule your event

This event has started yet

LIVE

Change over to the Connect (RTMP) tab.

Note: Write down the RTMP URL and Stream Key and keep them in a safe place, you will need to provide both to your AV professional.

1. Once Vimeo receives a stable stream from your Software or Hardware Encoder it will appear.

vimeo Events > Live Streaming in OnAIR Ready to stream Event setup Go Live

Destinations

Vimeo Share View

Facebook Connect

YouTube Connect

LinkedIn Connect

RTMP Add

Webcam **1 Connect (RTMP)**

Stream with Studio

Go live the premium way. Download Studio, our live production switcher software — free with your membership.

Get it free

Connect to your encoding software

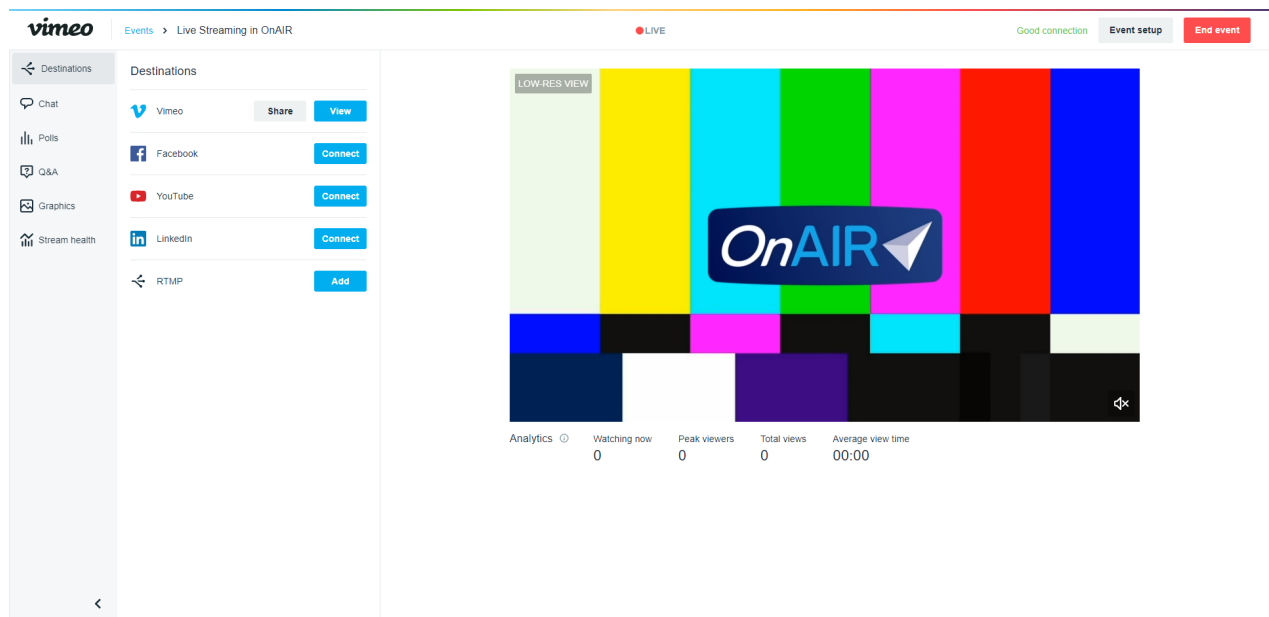
Paste the URL and stream key into your software's settings and begin streaming.

RTMP URL 2 +

Stream key 3 +

+ Add backup stream UPGRADE

☐ Preview stream before going live



YouTube

YouTube is a video-sharing platform.

To use YouTube with OnAIR you must create and verify a YouTube account (this will be part of your Google Account).

Verifying your YouTube account

Follow these steps to verify your YouTube account:

1. Open your **YouTube** page.
2. Click on the **Hamburger Menu** top left corner.
3. Click on the **Help** option.
4. Scroll down and select the **Verify your YouTube account** help topic.
5. Click on the **verify your channel** link in the first sentence.
6. Follow the **instructions** provided by YouTube.

Locating Your YouTube Video ID

If you are simply uploading videos to YouTube to play back in the OnAIR Portal, you simply need to upload your video and locate the video ID.

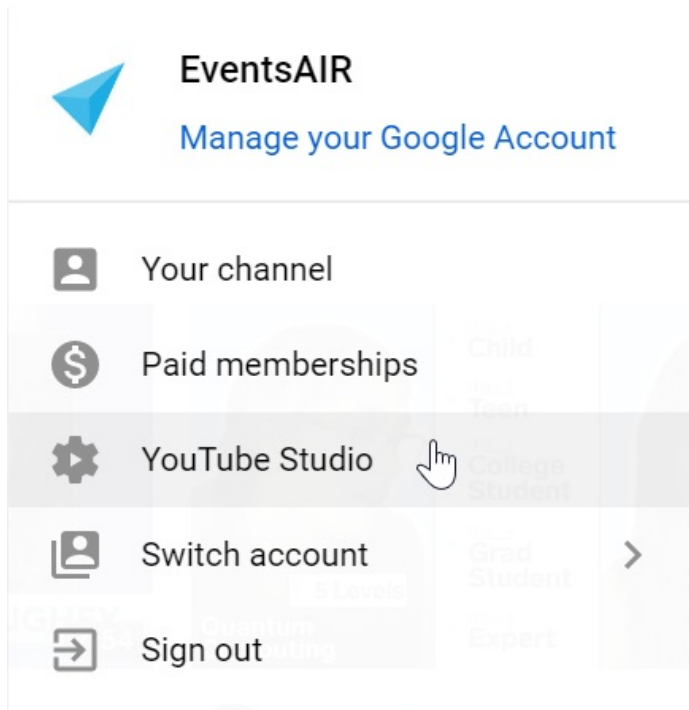
This can be found in the URL for the video, or located in the video link details. Please note you only need the numbers, as shown here in red:

<https://youtu.be/aBcDEf12345>).

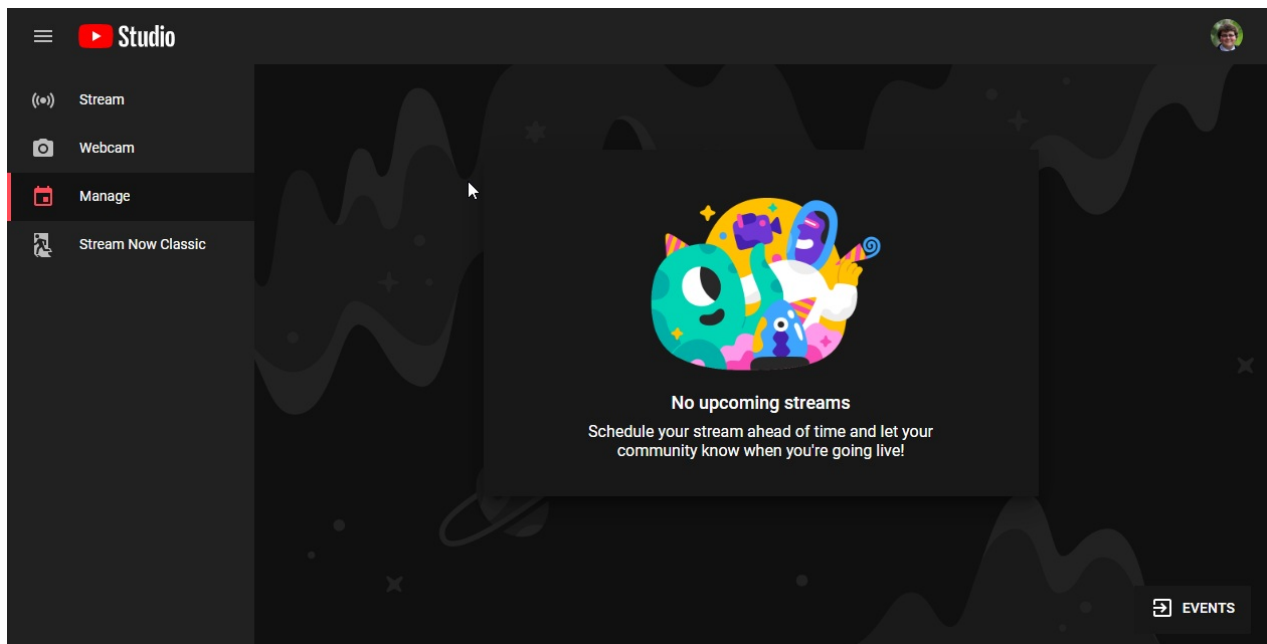
Locate your YouTube External Connection details

To use YouTube, you will need to create a new stream. Please follow these steps to obtain the information you need:

1. Navigate to **YouTube Studio** (click on your logo/photo as if you were about to sign out, and you will find YouTube Studio in the dropdown).



1. Click on **Create** then **Go Live**. This will launch the YouTube Studio Live Streaming Console.



1. Click on **Stream** to create a New Stream.

Note: This is where you will provide the stream's Name, Description and Category as well as its availability and timing. We recommend making the stream Unlisted as this will not publicly list the stream on YouTube and will require

viewers to access via the OnAIR Portal only.

1. You will need to declare if the stream is made for children (please note, this is NOT a setting to say your content is g-rated – it is only to be used if your content is specifically designed for children).
2. Finally, there is an option to restrict your viewers to exclude those under the age of 18. You will need to leave this **option disabled** for the stream to be viewable in the OnAIR Portal.


New stream

OnAIR Premiere

Unlisted


The OnAIR Premiere Virtual Conference is 70 minutes in duration which includes plenary sessions, concurrent sessions, interactive workshops, poster presentations, exhibition and a networking function, all done virtually via OnAIR.


People & Blogs

 Schedule for later

Thu, Apr 16

10:00 AM



 CHANGE THUMBNAIL

Audience

Is this video made for kids? (required)

Regardless of your location, you're legally required to comply with the Children's Online Privacy Protection Act (COPPA) and/or other laws. You're required to tell us whether your videos are made for kids. [What's content made for kids?](#)

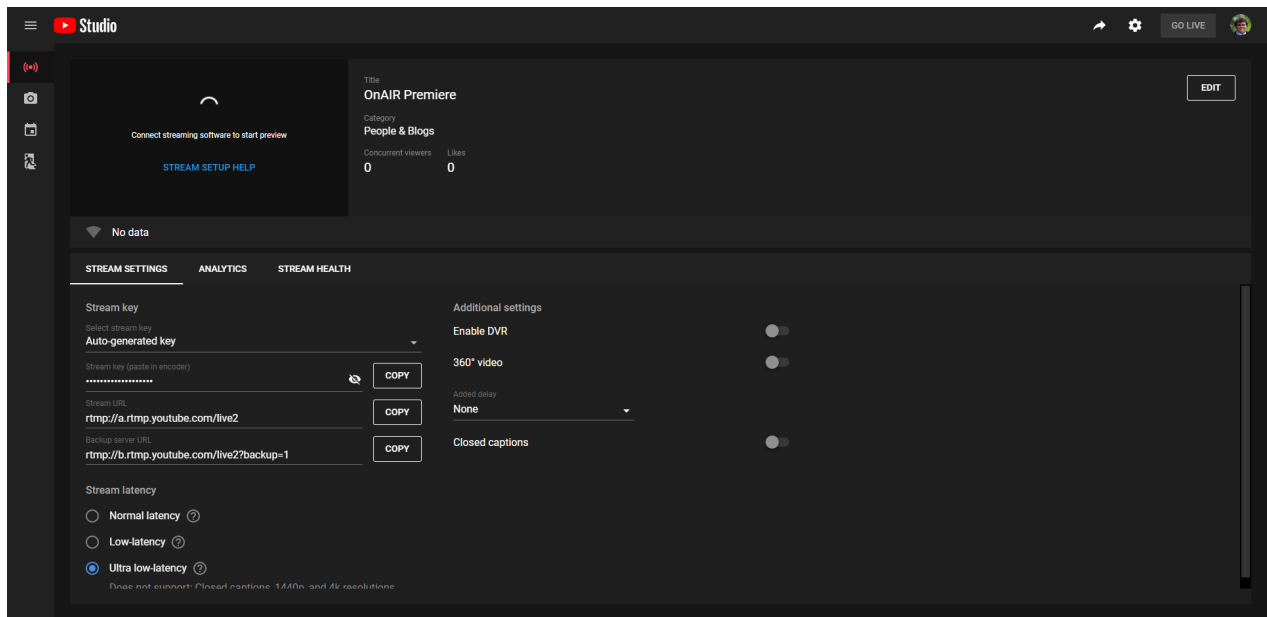
☐ Yes, it's made for kids

☐ No, it's not made for kids

▼ Age restriction (advanced)

CREATE STREAM

1. When you are ready select **Create Stream** to continue and this will launch the created stream's Dashboard.



1. Once the Dashboard has loaded, select the **Select Stream Key** dropdown and select Create New Stream Key.
2. Enter a **Name and Description**.

Note: We recommend giving it the same name as the stream or naming it the location that the Encoder will be used as depending on your requirements you may be managing multiple Stream Keys.

For the Maximum Sustained Bitrate that you can support select 3000 Kbps — 6000 Kbps (1080p). This option is explained in greater detail below. Optionally you can Enable 60 fps for a smoother viewing experience.

New stream key

Important: The bitrate (kbps) and frame rate (fps) can't be changed after the stream key is created.

OnAIR Premiere

Description

Maximum sustained bitrate that you can support:
3000 Kbps - 6000 Kbps (1080p)

Enable 60 fps

CANCEL CREATE

1. After you have created the Stream Key ensure it is the selected option.
2. Next, we recommend you note down the **Stream Key (hidden)**, **Stream URL** and **Backup Server URL**. You will

need to enter these values into your Software or Hardware Encoder.

3. To ensure an optimal OnAIR experience for your attendees, we recommend enabling the **Ultra Low-Latency** profile.

Note: Testing by EventsAir in April 2020 indicated this will result in an approximate 10–12 second delay. However please note broadcasting in 4K and 1440p resolutions and Closed Captioning are not supported by this profile.

The screenshot shows the 'STREAM SETTINGS' tab in the EventsAir interface. It is divided into two main sections: 'Stream key' and 'Additional settings'.
Under 'Stream key', there are fields for 'Select stream key' (set to 'OnAIR Premiere (1080p)'), 'Stream key (paste in encoder)' (with a 'COPY' button), 'Stream URL' (set to 'rtmp://a.rtmp.youtube.com/live2' with a 'COPY' button), and 'Backup server URL' (set to 'rtmp://b.rtmp.youtube.com/live2?backup=1' with a 'COPY' button).
Under 'Additional settings', there are three toggle switches: 'Enable DVR' (off), '360° video' (off), and 'Closed captions' (off). There is also a section for 'Added delay' set to 'None' with a dropdown arrow.
At the bottom, the 'Stream latency' section has three radio buttons: 'Normal latency', 'Low-latency', and 'Ultra low-latency' (which is selected). A note below states: 'Does not support: Closed captions, 1440p, and 4k resolutions'.

1. Select the **Share** button in the upper right corner of the screen.

Note: This will give you options to share your Broadcast with via other platforms as well as give you the dedicate YouTube link (i.e. <https://youtu.be/aBcDEf12345>).

1. Select and copy the **latter part of the link** (i.e. aBcDEf12345), this is the stream's Video ID which is required in EventsAir.

The screenshot shows the 'Share' dialog in the EventsAir interface. It features a row of social media sharing icons: Facebook, Twitter, Email, Reddit, Tumblr, Pinterest, VK, LinkedIn, Print, and a generic share icon. Below the icons, the YouTube link 'https://youtu.be/XT3Saus5iOw' is displayed, with the video ID 'XT3Saus5iOw' highlighted in blue. There is a checkbox for 'Start at 0:00'. At the bottom right, there are two buttons: 'EMBED' and 'COPY'.

Vonage

Vonage is a video sharing and streaming platform used by programmers to drive custom video experiences. There are various pricing models, based on usage.

Creating your Vonage Account

1. Login into Vonage at this URL: <https://www.vonage.com.au/communications-apis/video/>

2. Select “Try it Free” to register.
3. Once registered, select “Create Project” (this is under the Account Overview tab on the left). The following screen appears.
4. Select **Create Custom Project**.
5. Add a Project Name EG EventsAir and ensure VP8 is selected as preferred codec:
6. Copy the two keys that are displayed.

External Connections

Sms Broadcast Australia
[3 more](#)

- E-commerce Gateway +
- PayPal Account +
- Email Accounts +
- Analytics Accounts +
- Native Attendee App Brand Setup +
- Social Media API Account Setup +
- Authentication API Account Setup +
- Live Streaming Platform +
- Twilio
- Zoom
- Single Sign On

Live Streaming Platform Setup

Details

Name*

Vonage

Usage*

☐ Meeting and small session (under 50 people)
 ☒ Large sessions (over 50 people)

Platform*

Vonage

Description

API Key*

21vgq6KjrcbghzjsouLjqD8NsWfNXQ

API Secret*

jsN1uLr8TpvIm4rZT1cMM2WvqatnO4

Clear

Save

- In EventsAir, navigate to Application Setup and select External Connections.
- Create a new External Connection and select Vonage.
- Paste the two keys and add to your new external connection
- This external connection can now be selected in the OnAIR portal setup

NOTE: If you've enabled AIRCast, you won't see the options to choose a different live streaming platform for your OnAIR portal.

Enable Virtual Control Room ☒

VIRTUAL CONTROL ROOM TEAM

CONTACT NAME

ORGANIZATION

Brown, Janet

Add Existing Contact

Host Live Feed Platform

Vonage

This feature supports the OnAIR AIRCast Platform and can be enabled in the Events Preferences Setup page

Host Live Feed Video ID (YouTube only)

Play sound 30 sec before timeline item starts ☒

Starting soon sound MP3 file URL (1-4 seconds)