

YouTube for Streaming Media Platform

This document offers guidance on how to simultaneously broadcast your live streams and upload your videos to YouTube on Streaming Media Hosting's Media Platform. This guide provides an overview of the processes for:

- Connecting Your YouTube Account 2
- Disconnecting Your YouTube Account 3

Live Streaming

- Enabling/Disabling YouTube Live When Creating a Live Stream 3
- Enabling/Disabling YouTube Live When Editing a Live Stream 4
- YouTube Live Stream Metadata 5
- YouTube Live Player Embed Code 6
- YouTube Live Stream Recommendations/Requirements 6

Video on Demand

- Automatically Upload Your VOD Content 7
- Manually Upload Your VOD Content 7
- YouTube VOD Metadata 8
- YouTube Player Embed Code 8
- YouTube VOD Requirements/Limitations 9

Connecting Your YouTube Account

In order to simultaneously broadcast your live streams and upload your videos to YouTube, you must first connect your YouTube account to the Platform. Begin by clicking on “**Social Broadcasting**” in the main navigation menu on the left.

Click on the gear icon to reveal settings for YouTube. Next, click on the “**Connect Account**” button to begin the integration process. (Figure 1)

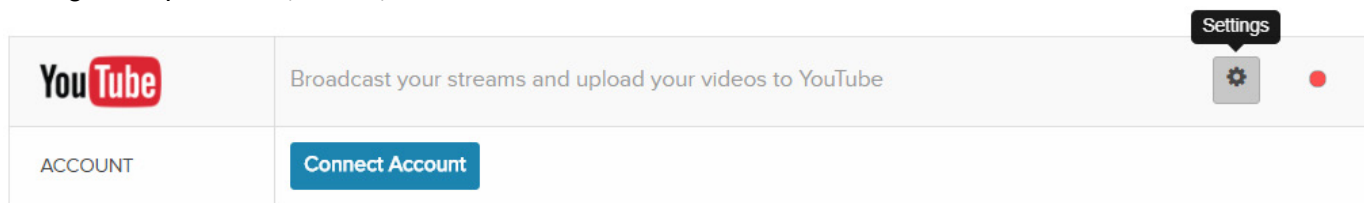


Figure 1

You will be prompted to log in to your Google account. Either select your account or enter your credentials to log in. (Figure 2)

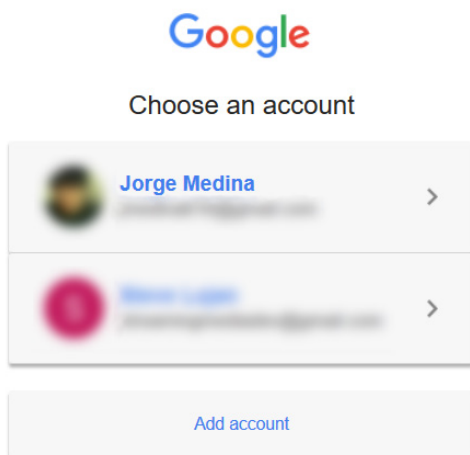


Figure 2

YouTube will then request permission to allow Streaming Media Hosting to get certain information from your YouTube account. Click ‘**Allow**’ to proceed. (Figure 3)

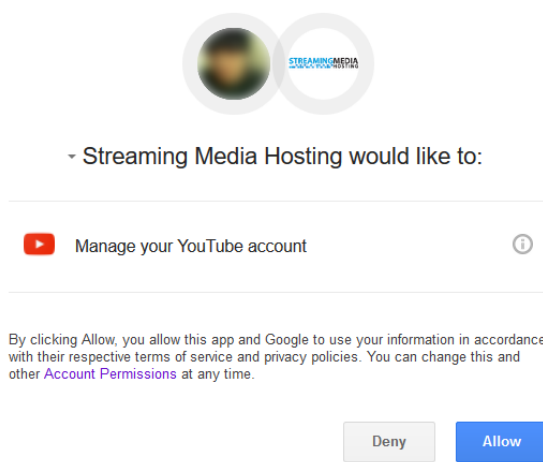


Figure 3

A message will then display saying you have successfully connected your YouTube account. You may close this window. (Figure 4)

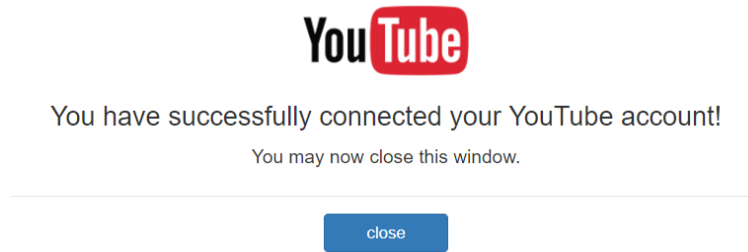


Figure 4

Disconnecting Your YouTube Account

You can disconnect your YouTube account from the Platform at any time by clicking on the gear icon to reveal settings for YouTube and then clicking on the “**Disconnect**” button. (Figure 5)

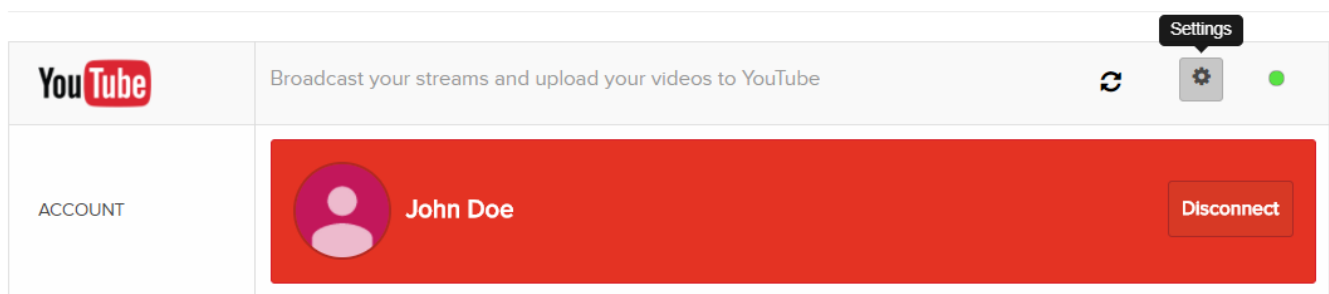


Figure 5

Enabling/Disabling YouTube Live When Creating a Live Stream

Once your YouTube integration is complete, a new option “**Configure Platforms**” will appear when creating a new live stream entry. (Figure 6)

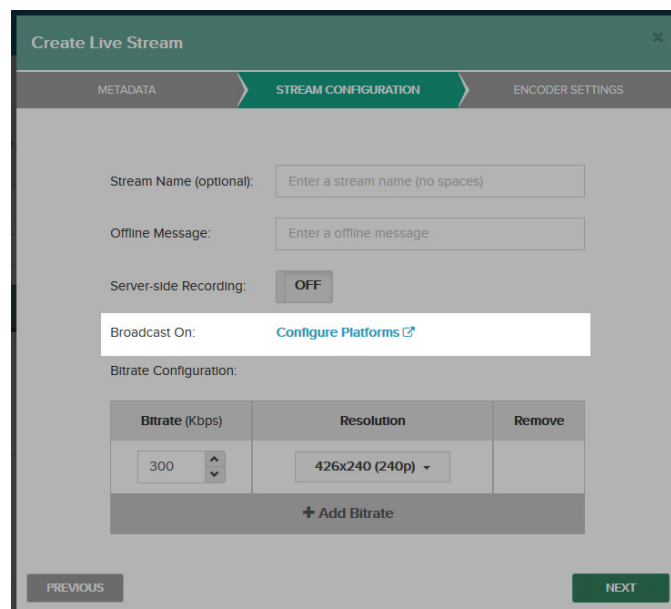


Figure 6

Clicking “**Configure Platforms**” will pop up a new window, allowing you to enable the platforms you would like the live stream to broadcast on; such as YouTube. To enable a platform, move the toggle to the right. To disable a platform, move the toggle to the left. Once finished, please click on the “**Close**” button and then click on “**Next**” to create the live stream. (Figure 7)

*Note: At least one platform must be enabled.

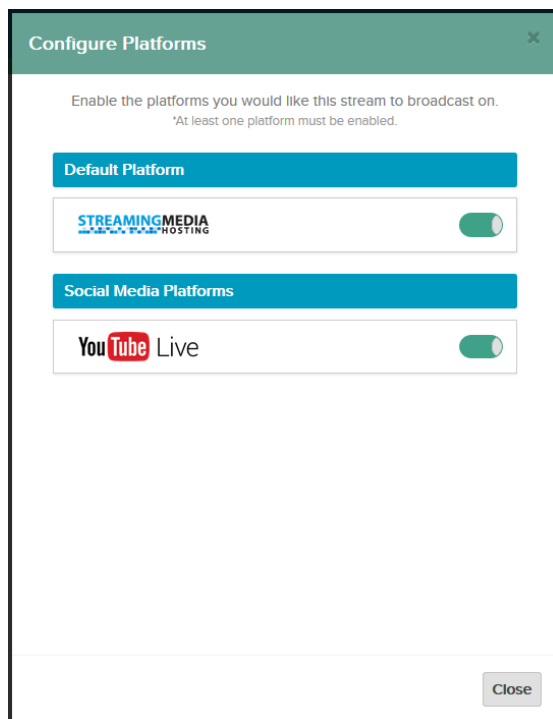


Figure 7

Enabling/Disabling YouTube Live When Editing a Live Stream

Once your YouTube integration is complete, a new option “**Configure Platforms**” will appear when editing an existing live stream entry’s stream configuration. (Figure 8)

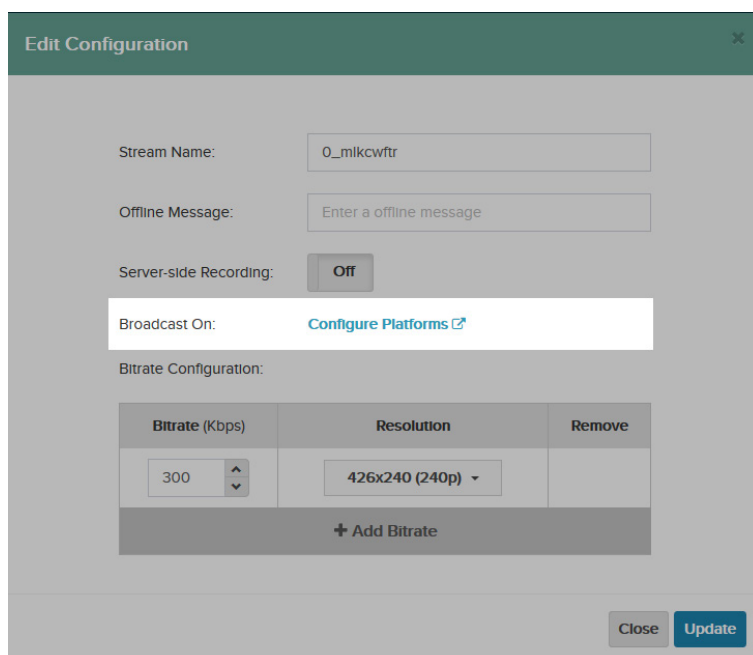


Figure 8

Clicking “**Configure Platforms**” will pop up a new window, allowing you to enable the platforms you would like the live stream to broadcast on; such as YouTube. To enable a platform, move the toggle to the right. To disable a platform, move the toggle to the left. Once finished, please click on the “**Close**” button and then click on “**Update**” to update the live stream entry’s stream configuration. (Figure 9)

*Note: At least one platform must be enabled.

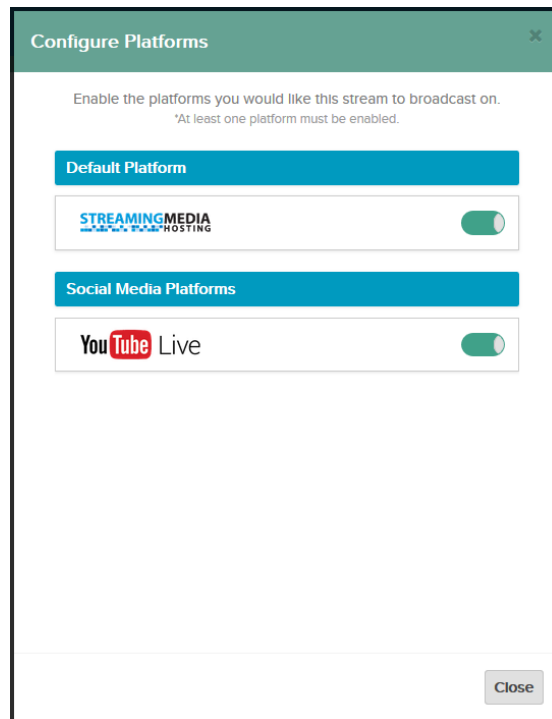
The image shows a 'Configure Platforms' dialog box with a green header bar containing a close button (X). The main content area has a light gray background. At the top, it says 'Enable the platforms you would like this stream to broadcast on.' followed by a note '*At least one platform must be enabled.' Below this, there are two sections: 'Default Platform' and 'Social Media Platforms', both with blue headers. Under 'Default Platform', there is a toggle switch for 'STREAMING MEDIA' which is currently turned on (green). Under 'Social Media Platforms', there is a toggle switch for 'YouTube Live' which is also turned on (green). At the bottom right of the dialog, there is a 'Close' button.

Figure 9

YouTube Live Stream Metadata

You can edit the title and/or the description of the YouTube live stream by going to the “**Live Stream**” page, clicking on the “**Edit**” drop down menu next to the live stream entry, and then clicking on “**Metadata**”. When broadcasting, the title and/or description you have set here will appear in the live stream on YouTube. (Figure 10)

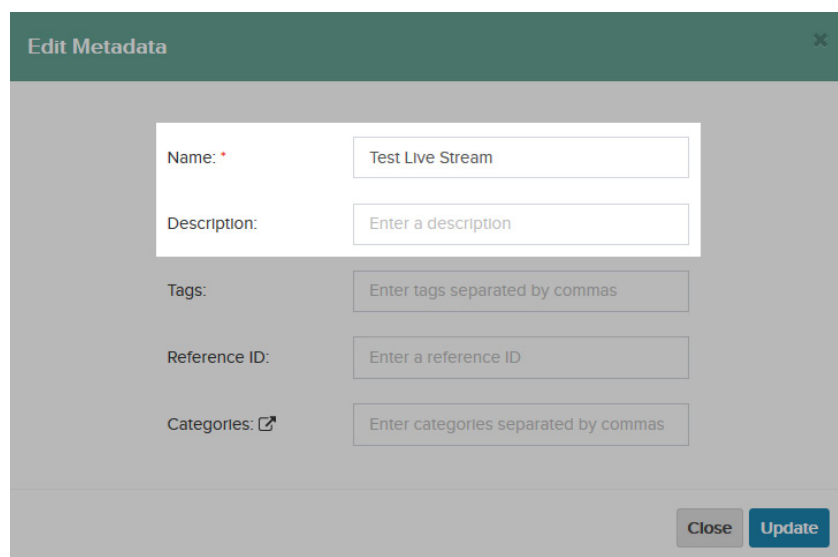
The image shows an 'Edit Metadata' dialog box with a green header bar containing a close button (X). The main content area has a light gray background. It contains several input fields: 'Name: *' with a red asterisk and a text box containing 'Test Live Stream'; 'Description:' with a text box containing 'Enter a description'; 'Tags:' with a text box containing 'Enter tags separated by commas'; 'Reference ID:' with a text box containing 'Enter a reference ID'; and 'Categories: 📌' with a text box containing 'Enter categories separated by commas'. At the bottom right, there are two buttons: 'Close' and 'Update'.

Figure 10

YouTube Live Player Embed Code

You can grab the YouTube Live player embed code directly from the Media Platform. On the “**Live Stream**” page, click on the “**Edit**” drop down menu next to the live stream entry, then click on “**Preview & Embed**”. If streaming to more than one platform, choose “**YouTube Live**” from the “**Select Platform**” drop down. (Figure 11)

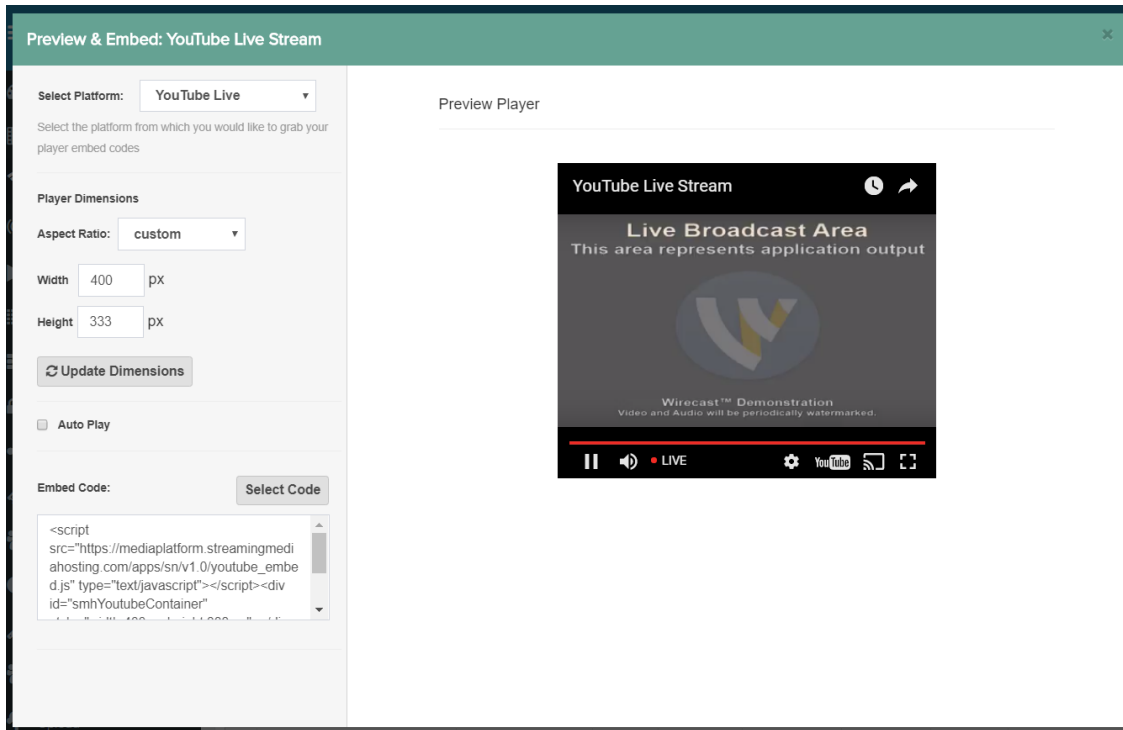


Figure 11

YouTube Live Stream Recommendations/Requirements

To ensure quality live streams, YouTube recommends following the technical specifications and streaming recommendations below:

Video Format:

- Video codec: H.264, 4.1
- Frame rate: up to 60 fps
- Resolution: up to 2160p (3840 x 2160)
- Keyframe frequency: Recommended 2 seconds. Do not exceed 4 seconds

Audio Settings:

- Audio codec: AAC or MP3
- Audio sample rate: 44.1 KHz
- Audio Bitrate: 128 Kbps stereo

Automatically Upload Your VOD Content

You can automatically upload your videos to your YouTube channel as soon as they have finished uploading to the Platform. To enable this option, click on the gear icon to reveal settings for YouTube. Then, check the **“Auto Upload My VOD Content”** checkbox. Finally, click on the **“Save”** button. (Figure 12)

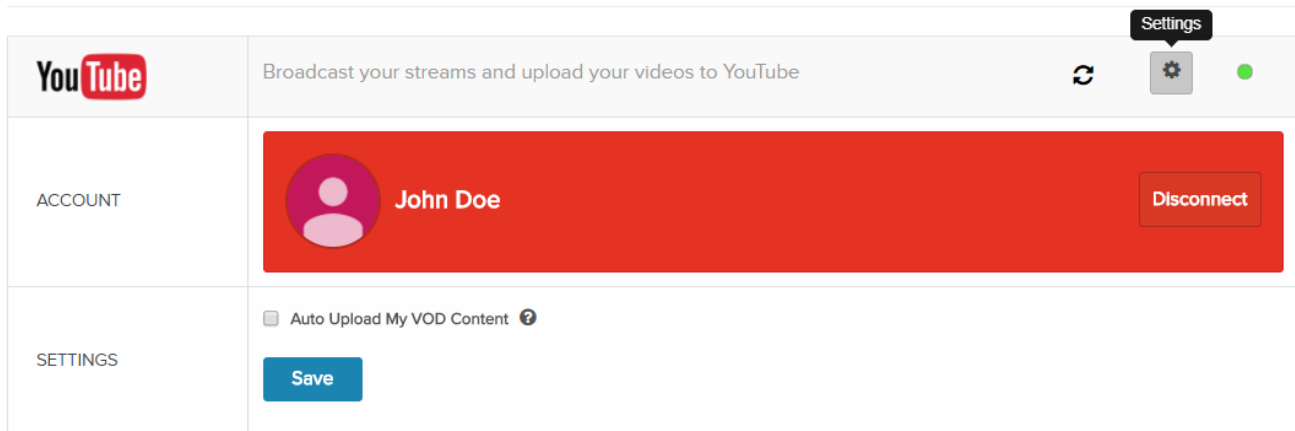


Figure 12

Manually Upload Your VOD Content

To manually upload a specific video to your YouTube channel, click on the **“Edit”** drop down menu next to the video entry, then click on **“Social Media”**.

A window will pop up, allowing you to enable the platforms you would like to upload this video to; such as YouTube. To enable a platform, move the toggle to the right. To disable a platform, move the toggle to the left. Once finished, please click on the **“Update”** button. (Figure 13)

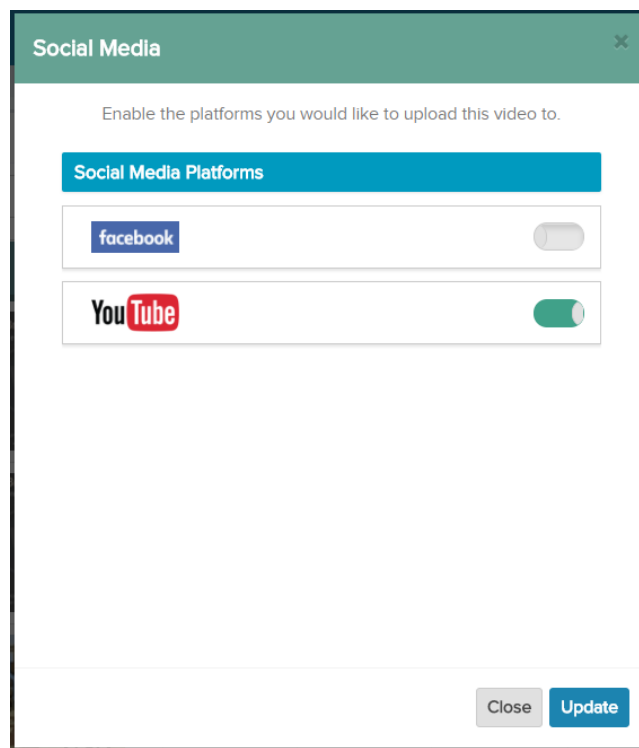


Figure 13

YouTube VOD Metadata

You can edit the title and/or the description of the YouTube VOD by going to the “**Content**” page, clicking on the “**Edit**” drop down menu next to the video entry, and then clicking on “**Metadata**”. The title and/or description you have set here will appear in the video on YouTube. (Figure 14)

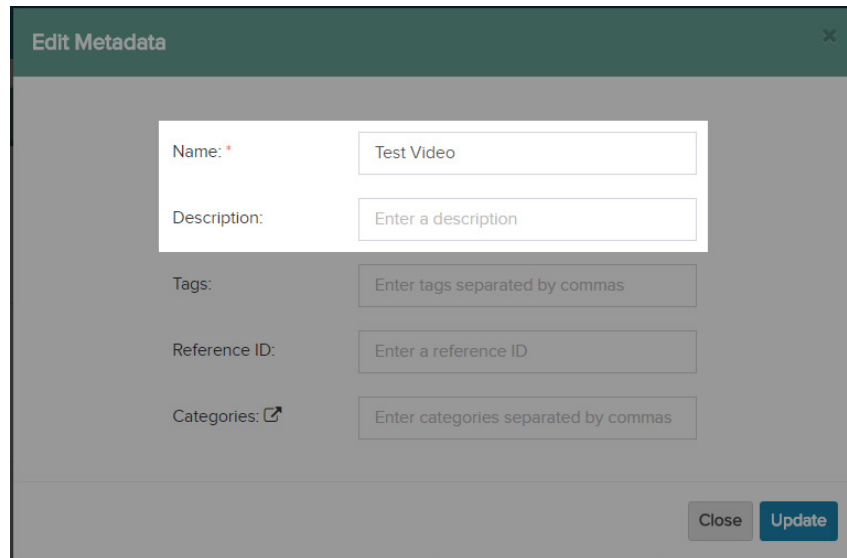
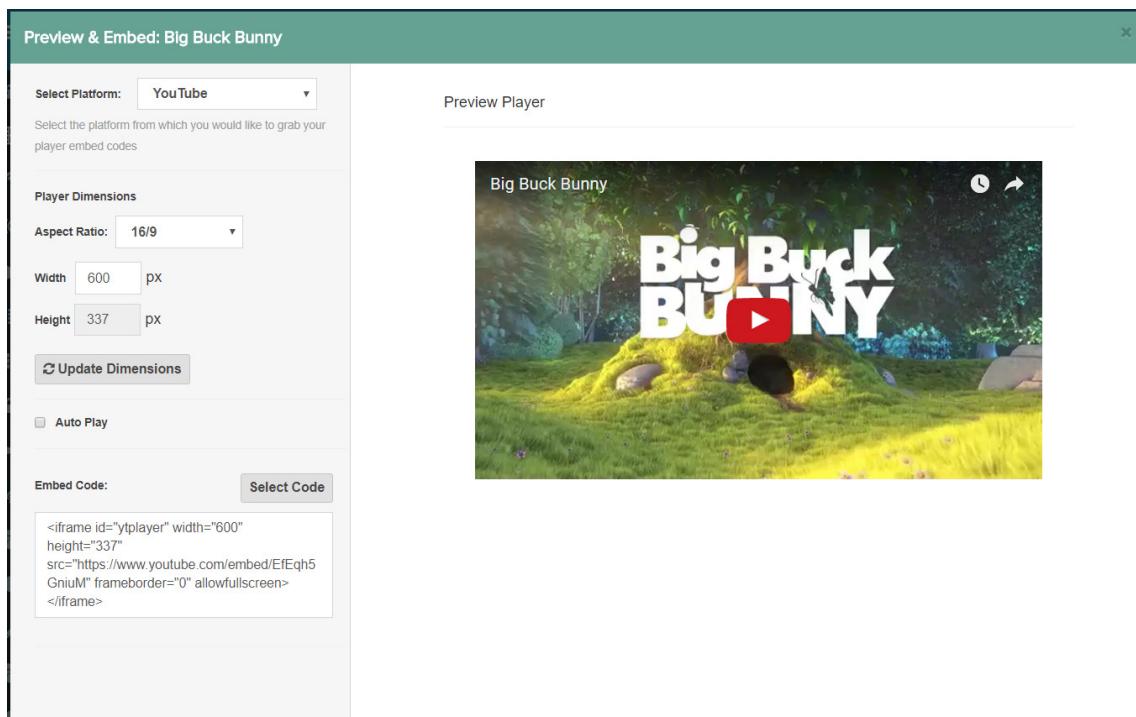
The screenshot shows a modal window titled "Edit Metadata" with a close button in the top right corner. Inside the modal, there are five input fields with labels to their left: "Name:" (with a red asterisk), "Description:", "Tags:", "Reference ID:", and "Categories:" (with a link icon). The "Name" field contains the text "Test Video". The "Description" field contains the placeholder text "Enter a description". The "Tags" field contains the placeholder text "Enter tags separated by commas". The "Reference ID" field contains the placeholder text "Enter a reference ID". The "Categories" field contains the placeholder text "Enter categories separated by commas". At the bottom right of the modal, there are two buttons: "Close" and "Update".

Figure 14

YouTube Player Embed Code

You can grab the YouTube player embed code directly from the Media Platform. On the “**Content**” page, click on the “**Edit**” drop down menu next to the video entry, then click on “**Preview & Embed**”. If the video is available to more than one platform, choose “**YouTube**” from the “**Select Platform**” drop down. (Figure 15)

The screenshot shows a modal window titled "Preview & Embed: Big Buck Bunny" with a close button in the top right corner. The modal is split into two main sections. The left section contains settings for the embed: a "Select Platform:" dropdown menu with "YouTube" selected, a "Player Dimensions" section with an "Aspect Ratio:" dropdown set to "16/9", and input fields for "Width" (600 px) and "Height" (337 px) with an "Update Dimensions" button below them. There is also an "Auto Play" checkbox which is unchecked. At the bottom of the left section is an "Embed Code:" label and a "Select Code" button. The right section, titled "Preview Player", shows a video player with the "Big Buck Bunny" title and a red play button in the center. Below the video player, the embed code is displayed in a text area:

```
<iframe id="ytplayer" width="600" height="337" src="https://www.youtube.com/embed/EfEqh5GniuM" frameborder="0" allowfullscreen>
</iframe>
```

Figure 15

YouTube VOD Recommendations/Limitations

Below are recommended upload encoding settings for your videos on YouTube:

Video Format:

- Container: MP4
- Video codec: H.264
- Frame rate: up to 60 fps
- Resolution: up to 2160p (3840 x 2160)

Audio Settings:

- Audio codec: AAC or MP3
- Audio sample rate: 96khz or 48khz
- Channels: Stereo or Stereo + 5.1

By default, you can upload videos that are up to 15 minutes long, but you can upload longer videos by visiting <https://www.youtube.com/verify>. Once your account is verified, you can upload videos that are longer than 15 minutes and have a maximum file size of 128GB.