

IMPLEMENTATION OF MEDIA STREAMING WITH IBM CLOUD VIDEO STREAMING

To implement media streaming with IBM Cloud Video Streaming, you'll need to follow a series of steps, including setting up an IBM Cloud account, creating a video streaming channel, configuring broadcasting software, and finally, streaming your media content. Here's a detailed guide to help you through the process:

Step 1: Create an IBM Cloud Account

1. Sign Up for an IBM Cloud Account:
 - Go to the IBM Cloud website: (<https://cloud.ibm.com/>).
 - Click on the "Sign Up" button and follow the registration process.
 - Provide necessary information and verify your email address.
2. Login to IBM Cloud:
 - After successful registration, log in to your IBM Cloud account.

Step 2: Set Up Video Streaming Service

1. Navigate to the Video Streaming Dashboard:
 - Once you're logged in, go to the IBM Cloud Dashboard.
2. Create a Video Streaming Channel:
 - In the IBM Cloud Dashboard, click on "Create Resource" or "Create" from the navigation menu.
3. Search for Video Streaming Service:
 - In the search bar, type "video streaming" and select the service from the list.
4. Create a Channel:
 - Click on the "Create" button to set up a new video streaming channel.
5. Configure the Channel:
 - Provide a unique name for your channel.
 - Choose the appropriate pricing plan (Lite plan is often available for free with limited features).
 - Click "Create" to finish setting up the channel.

Step 3: Configure Broadcasting Software

1. Select Broadcasting Software:

- Choose a broadcasting software that is compatible with IBM Cloud Video Streaming. OBS (Open Broadcaster Software) is a popular choice.

2. Install and Configure OBS:

- Download and install OBS from their official website: [\[https://obsproject.com/\]\(https://obsproject.com/\)](https://obsproject.com/).
- Open OBS and go to "Settings".

3. Configure Stream Settings:

- In OBS, go to "Settings" > "Stream".
- Select "IBM Cloud Video" as the streaming service.
- Copy the "Server URL" and "Stream Key" from your IBM Cloud Video channel and paste them into OBS.

4. Set up Audio and Video Sources:

- Add your desired audio and video sources (e.g., camera, microphone, screen capture) in OBS.

Step 4: Start Streaming

1. Start Broadcasting:

- In OBS, click on "Start Streaming". OBS will now start sending your content to IBM Cloud Video.

2. Monitor the Stream:

- Go back to your IBM Cloud Video channel dashboard and you should see the stream status. If everything is set up correctly, it will show that you're live.

3. View Your Stream:

- Click on the play button in your channel dashboard to view your live stream.

Step 5: End the Stream

1. Stop Broadcasting:

- In OBS, click on "Stop Streaming" when you're done.

2. Monitor the Stream Status:

- In your IBM Cloud Video channel dashboard, you should see that the stream has ended.

Additional Tips:

- **Test Your Setup:** Before going live, it's crucial to conduct a few test streams to ensure everything is working as expected.
- **Promote Your Stream:** Share your streaming link with your audience to let them know when you're going live.
- **Review Analytics:** IBM Cloud Video often provides analytics on viewer engagement, which can be useful for future streams.