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IBM

TECHNOLOGY:

CLOUD APPLICATION

DEVELOPMENT   PROJECT:

Media Streaming With IBM Cloud Video Streaming

Streaming media with Cloud Video Streaming typically involves setting up and configuring your account, uploading your content, and then using the platform to distribute and stream your videos. Here are some general steps to get you started:

Create an IBM Cloud Video Streaming Account:

If you don't already have an account, sign up for one on the IBM Cloud Video Streaming platform.

Upload Your Video Content:

You can usually upload your video content to the platform. This can include prerecorded videos, live streams, or other multimedia content.

Set Up Channels or Events:

Depending on your needs, you can create channels for continuous broadcasting or events for scheduled streaming.

Configure Encoding Settings:

IBM Cloud Video Streaming typically provides options for encoding and optimizing your video content for different devices and network conditions.

Customize Your Player:

You can often customize the video player's appearance to match your branding and preferences.

Secure Your Streams:

Depending on your requirements, you might want to set up security features like password protection or restricting access by IP address.

Distribute and Share Your Stream:

Use the provided links or embed codes to distribute your stream on websites, social media, or other platforms.

Monitor and Analyze:

Most streaming services offer analytics tools to track viewership and engagement.

Scale as Needed:

Depending on the size and demand for your streams, you may need to scale your resources up or down.

Therefore, I recommend referring to the official IBM Cloud Video Streaming documentation or contacting their support for the most up-to-date information and guidance on using their platform for media streaming.

Program

Import requests

Import json

 # Your IBM Cloud Video Streaming API credentials

```
Api_key = "YOUR_API_KEY"

Api_secret = "YOUR_API_SECRET"

# Endpoint to create a new live stream

Endpoint = https://api.video.ibm.com/live

# JSON data to create a new live stream

Data = {
    "name": "MyStream",
    "type": "live",
    "password": "optional_password", "broadcasting": {
        "rtmp": {
            "ingest_url": "rtmp://your-ingest-url",
            "stream_key": "yourstream-key"
        }
    }
}
```

```python
Headers = {
    "Content-Type": "application/json", "Authorization": f"Basic {api_key}:{api_secret}"
}


# Create the live stream
Response = requests.post(endpoint, data=json.dumps(data), headers=headers)


If response.status_code == 200:
    Stream_info = response.json()
    Print("Live stream created successfully.")
    Print(f"Stream ID: {stream_info['id']}")
    Print(f"Stream URL: {stream_info['channel_url']}")
Else:
    Print("Failed to create the live stream.")
Print(response.text)
```

OUTPUT:

Live stream created successfully.

Stream ID: your-stream-id

Stream URL: your channel-url