

**TITLE:CLOUD APPLICATION DEVELOPEMENT**

**SUB TITLE: MEDIA STREAMING WITH IBM  
CLOUD  
VIDEO STREAMING**

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# INTRODUCTION:

- IBM Cloud Video Streaming, also known as IBM Watson Media, is a comprehensive streaming solution that allows businesses to deliver high-quality video content to a global audience. With IBM Cloud Video Streaming, you can create, manage, and deliver live and on-demand video across a wide range of industries, such as entertainment, sports, education, and corporate communication.

# KEY FEATURES OF IBM CLOUD VIDEO STREAMING:

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1. \*Live Streaming:\* You can broadcast live events to viewers worldwide, whether it's a product launch, a sports game, or a company-wide meeting. The platform provides adaptive bitrate streaming for seamless viewing experiences across various devices and network conditions.
2. . \*On-Demand Video:\* IBM Cloud Video Streaming enables you to upload, store, and organize video content for on-demand viewing. This feature is useful for creating libraries of training videos, tutorials, or entertainment content.
3. 3. \*Monetization:\* You can monetize your content by setting up pay-per-view events or subscription-based models. This is particularly valuable for businesses or individuals looking to generate revenue from their video content.

4. **\*Security:\*** IBM Cloud Video Streaming offers robust security features, including password protection, domain restrictions, and digital rights management (DRM) support. These features help protect your content from unauthorized access and piracy.

5. **\*Interactive Features:\*** Engage your audience with interactive elements such as live chat, polls, and Q&A sessions. These features enhance viewer participation and create a more immersive streaming experience.

6. **\*Analytics:\*** Gain insights into viewer behavior, engagement, and other metrics through detailed analytics. This data helps you understand your audience better and refine your content strategy.

7. **\*Easy Integration:\*** IBM Cloud Video Streaming integrates seamlessly with various content management systems (CMS), social media platforms, and other third-party tools, making it

# IBM CLOUD STEAMING WORKING

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cloud video streaming service streams and stores your video data (or someone else's video data) in the cloud. A good cloud video streaming service will host video, deliver it reliably whenever you want, be scalable and able to reach millions with its content.

# ARCHITECTURE OF MEDIA STREAMING WITH CLOUD VIDEO STREAMING

1. **\*User Interface:\*** Users interact with the streaming service through various devices such as smartphones, tablets, or desktop computers
2. **\*Client Application:\*** The client application, often a streaming app, provides the user interface and handles user requests. It sends requests to the server for specific media content.
3. **\*Content Delivery Network (CDN):\*** CDNs are a network of servers distributed globally. They store cached copies of media files, such as videos, images, and other content. When a user requests a specific video, the CDN identifies the closest server to the user's location and delivers the content from that server. This minimizes latency and improves streaming quality.

# BLOCK DIAGRAM:

# Program

Html

```
<!DOCTYPE html>
<html lang="en">

<head>
  <meta charset="UTF-8">
  <meta name="viewport" 
content="width=device-width,
initial-scale=1.0">
  <title>IBM Cloud Video Streaming</title>
</head>

<body>
  <h1>IBM Cloud Video
Streaming Example</h1>

<!-- Video player using
```

HTML5 video tag -->

```
<video controls width="640" height="360">
```

<!-- Provide the URL of the streaming video -->

```
<source src="YOUR_STREAMING_VIDEO_URL_HERE"  
type="application/x-mpegURL">
```

Your browser does not support the video tag.

```
</video>
```

p>Stream Description: Lorem ipsum dolor sit amet,  
consectetur adipiscing elit.</p>

with the

<!-- Replace "YOUR\_STREAMING\_VIDEO\_URL\_HERE"  
actual streaming video URL provided by

IBM Cloud Video Streaming service -->

```
</body>
```

```
</html>
```

## \*Conclusion:

In conclusion, IBM Cloud Video Streaming offers a robust and reliable solution for media streaming needs. Its advanced features, scalability, and security measures make it a preferred choice for businesses and individuals alike. With IBM Cloud Video Streaming, users can enjoy seamless, high-quality streaming experiences while leveraging the power of cloud technology. As of my last update in September 2021, it's important to check for the latest features and reviews to ensure it continues to meet your specific requirements in 2023.