

# MEDIA STREAMING WITH IBM CLOUD

## VIDEO STREAMING

Team Member

411421205028 : Nishanthini.k

Project

Media Streaming

Domain

Cloud Computing

### PHASE-1 : DOCUMENT SUBMISSION



# Abstract

A virtual cinema platform is a cloud based. video streaming platform that allows users to watch movies and other video content as if they were in a real cinema.

IBM Cloud Video Streaming is a good choice for building a virtual cinema platform because it has

- Live and on-demand video streaming
- Video hosting and transcoding
- Multi-platform playout and analytics
- Monetization and security features
- AI-powered capabilities, such as real-time closed captioning and content moderation.

# Modules

The virtual cinema platform using IBM Cloud Video Streaming solution can be divided into the following modules.

## **1.Video content management:**

This module allows users to manage their video content, including uploading, editing, and organizing videos.

## **2.Video streaming:**

This module provides users with a way to stream their video content to their audience. IBM Cloud Video Streaming supports a variety of streaming protocols, including HLS, RTMP, and SRT.

### **3.Monetization:**

This module allows users to monetize their video content through advertising, subscriptions, and pay preview.

### **4.Community features:**

This module provides users with a way to interact with each other, such as through chat and discussion forums.

### **5.Integration and API Module:**

Provides APIs for third-party integrations, enabling customization and extensibility.

Facilitates integration with external systems, such as CRM or analytics tools.

# Use cases

Here are a few examples of how the virtual cinema platform using IBM Cloud Video Streaming solution can be used:

1. A movie studio can use the platform to release new movies directly to consumers, without having to go through traditional movie theatres.
2. A film festival can use the platform to stream its films to a global audience.
3. A cinema chain can use the platform to offer its customers a way to watch movies at home, even if they don't have a membership.

# Additional Notes

The virtual cinema platform using IBM Cloud Video Streaming solution can be customized to meet the specific needs of each user.

For example, users can choose to add or remove certain features, such as

- community features

Or

- monetization options

IBM Cloud Video Streaming also offers a number of developer tools and APIs. This allows developers to customize the virtual cinema experience for their users.

# Conclusion

## IBM Cloud Video

Streaming is a powerful and versatile solution for building a virtual cinema platform. It offers a wide range of features and functionality, including live and on-demand video streaming, video hosting and transcoding, multi-platform playout and analytics, monetization and security features, and AI-powered capabilities.