

# Project Title: Media Streaming with IBM Cloud Video Streaming

## Problem Statement:

The challenge at hand is to establish efficient media streaming using IBM Cloud Video Streaming, encompassing the delivery of video and audio content over the internet, including both live streaming and on-demand video playback. The primary goal is to create a solution that ensures efficient media streaming, content organization, customization, and secure access for viewers.

## Understanding the Problem:

Media streaming involves the real-time delivery of video and audio content over the internet, whether through live streaming or video-on-demand. IBM Cloud Video Streaming provides a cloud-based platform tailored for this purpose. To address this challenge effectively, we need to:

1. Set up a streaming service instance on IBM Cloud.
2. Manage and oversee media content.
3. Configure channels and events for content organization.
4. Customize the player and seamlessly integrate it into websites or applications.
5. Implement robust security measures to control access.
6. Leverage analytics for monitoring and gaining valuable insights.
7. Ensure scalability and optimize performance.
8. Provide continuous support and maintenance.

## Project Workflow:

1. Requirement Analysis: Gather comprehensive requirements from stakeholders, including content creators, viewers, and administrators.
2. Design Thinking: Apply design thinking principles to develop user-centric design concepts for the media streaming platform.
3. Technical Feasibility: Evaluate the technical feasibility of utilizing IBM Cloud Video Streaming to meet our requirements.

4. Architecture Design: Create a high-level architecture design outlining the system components and their interactions.
5. Prototyping: Build a prototype or proof of concept to validate the feasibility of the design.
6. Development Plan: Formulate a development plan encompassing milestones, timelines, and resource allocation.
7. Testing and Quality Assurance: Establish testing criteria and quality assurance processes to ensure the platform's reliability and performance.
8. Deployment and Monitoring: Implement the solution, monitor its performance, and make necessary adjustments.