MEDIA STREAMING WITH IBM VIDEO STREAMING

PHASE : 5 PROJECT DOCUMENTATION & SUBMISSION

Media Streaming With IBM Video Streaming:

A scalable, cloud-based online video platform that is an end-to-end solution for live or on-demand content to external audiences. Managed from a dashboard by account administrators, IBM Video Streaming supports both ease-of-use and complex setups while being able to scale through built-in multi-CDN support

IBM Cloud Video products are designed to facilitate delivery of video to target audiences. In some cases, the target audience is a consumer audience, because the video is created for marketing purposes, to inform and educate consumers on products and services. In other cases, video is used as a way to train, educate, inform, or build rapport with employees, partners and clients. Cloud Video has offerings that address these varied use cases and applications. Clients can purchase the Watson Captioning Live Integration chargeable component to automate the insertion of closed captions during live streaming video broadcasts. To ensure the highest level of accuracy, the solution offers the ability to pretrain the AI on company-and industry-specific terminology,

pronunciation, and spelling. This is a first-to-market solution for combining enterprise video and automate

DETAILS:

Media events are a requirement in the future of hybrid workplaces and protecting a company's confidentiality is paramount in the digital world. Capabilities include live stream, simulated live, auto-archive, and video on-demand content management to boost overall reach and engagement.

Use IBM Video Streaming solutions to stream virtual events, executive town halls, video marketing product launches, and OTT streaming. Built for privacy, reliability and scale, to optimize video quality, and powered by IBM Watson AI for video search and automated closed captioning, our video solutions are used by thousands of companies worldwide.

Benefits :

Automate with AI:

Leverage AI to take video a step further while reducing manual effort. Automate

live stream captioning, unlock video analytics, power video search and more.

Reliable Worldwide Delivery:

Reach virtually unlimited live streaming audience sizes across the globe and keep attendees connected. By using a multi-CDN (Content Delivery Network) infrastructure, you can.

Protect Confidentiality:

Protect your company brand from event eavesdroppers, while supporting viewers across devices, like iOS and Android. Multiple layers of protection and encryption help instill confidence in digital experiences.

Features:

AI-driven deep video search :

Through automated, AI-driven transcription, video content can be searched at the library level, returning results based on keyword searches. Viewers can jump to specific moments based on AI insights.

Host events for massive audiences:

Attract and support massive audiences for their your events, while being able to track performance with real-time measurement.

Security-rich video solution:

Intelligently restrict access to corporate video assets. Easily integrate with corporate directory systems for single sign-on, or use email authentication, enabling individual user tracking.

Make it yours with a video portal

Provide a hosted, company branded and customizable portal to access video content and digital events, or leverage APIs to pull the experience into a custom-built event microsite.

Mobile compatible player:

Live and on-demand videos are viewable on virtually all devices with any screen size or bandwidth with automatic bitrate switching for improved experience.

Video Distribution and Workflow:

Simplify ingesting and compiling of metadata.

Product image :

case study:

Design services for Video Streaming | Multimedia Live Streamer

This case study from Mistral showcases our capability in offering Design Services for Video Streaming Applications (Video Streaming Designs) for an Android Multimedia Live Streamer product with Full HD Video Streaming transmitter and receiver for a customer in Digital Multimedia and live video-casting domain.

HD Video streaming refers to primarily audio and video content delivered in real-time, as events happen. With the phenomenal growth of internet, media compression techniques and high end media processing technologies, HD Video Streaming DesignsMultimedia Live Streamer, HD video Streaming, Design Services for Video Streaming, Video Streaming Designs have become all pervasive; finding application in a wide variety of activities like medical electronics, home automation, media and publication, industrial automation, security and surveillance among others. This case study from Mistral showcases our capability in offering Design Services for Video Streaming for an Android Multimedia Live Streamer product with Full HD Video Streaming Designs for transmitter and receiver for a customer in Digital Multimedia and live video-casting domain.

The Customer

The customer is a global leader in Digital Multimedia domain and automation for personal

and enterprise solutions. The customer provides a full range of equipment, sub-systems, control systems and surveillance devices with HD Video Streaming Designs for Home and Office space environment. The customer wanted Mistral to provide them with custom Design Services for Video Streaming application.

The Requirement – HD Video Streaming Designs

The customer was developing a compact, Multimedia Live Streamer with Full- HD Video Streaming and rendering device for use with a Digital Media system and other applications. The HD Video Streaming Application to be developed had to be configured as AV transmitter or receiver and support up to 1920 x 1080 with 60fps resolution as input. Based on the study and analysis done by them on different application frameworks in Linux, Android emerged as the ideal platform to be used for Next generation Full-HD Video streaming designs.

The customer has comprehensive experience in Video streaming designs based on G-Streamer framework on Linux. Hence, customer entrusted Mistral with the task of building the software for Full HD video streaming transmitter and receiver based on Android version 4.2.2 (Jelly Bean). The AV Receiver also had to support all possible high and low resolutions. The video transmitter had to support HD Video Streaming over various transport protocols and media container and the AV receiver had to render the AV content to an HDMI Display panel.

Advantages:

(1) Access a massive catalogue of songs, albums, movies, TV shows, and more.

(2) Most streaming platforms allow you to download content for offline viewing or listening, which is

excellent for travel or areas with limited internet connectivity.

(3) Most streaming apps are available on various operating systems, making them accessible to users with different devices.