DEVELOP MEDIA STREAMING WITH IBM CLOUD VIDEO STREAMING

ABSTRACT

This project focuses on the development of a media streaming application using IBM Cloud Video Streaming and IBM Cloud Foundry, leveraging Python functions for efficient and scalable implementation. The integration of these technologies aims to provide a robust and flexible solution for delivering high-quality video content over the internet.

The architecture of the system involves the utilization of IBM Cloud Video Streaming for content storage, management, and delivery. IBM Cloud Foundry is employed for its platform-as-a-service capabilities, enabling seamless deployment and scaling of the media streaming application. Python functions are utilized to implement various functionalities, including video processing, user authentication, and dynamic content delivery.

Program

mkdir my\_media\_streaming\_app

cd my\_media\_streaming\_appfrom flask import Flask

app = Flask(\_\_name\_\_)

@app.route('/')

def index():

return 'Hello, welcome to my media streaming app!'

if \_\_name\_\_ == '\_\_main\_\_':

app.run(port=8080)

pip install flask

pip install ibm-cloud-sdk-core

from flask import Flask, render\_template

from ibm\_cloud\_sdk\_core.authenticators import IAMAuthenticator

from ibm\_watson import MediaV1

app = Flask(\_\_name\_\_)

# IBM Cloud Video Streaming credentials

api\_key = 'your\_api\_key'

service\_url = 'your\_service\_url'

authenticator = IAMAuthenticator(api\_key)

media\_client = MediaV1(authenticator=authenticator)

media\_client.set\_service\_url(service\_url)

@app.route('/')

def index():

return 'Hello, welcome to my media streaming app!'

if \_\_name\_\_ == '\_\_main\_\_':

app.run(port=8080)

ibmcloud login

ibmcloud target –cf

ibmcloud cf push my-media-streaming-app