Video Streaming System

[Company name] | [Company address]

[Document subtitle]

[Year]

Contents

Summary

The video streaming service we built is a microservice-oriented application that is used to post Zaaf’s fire clips.

Technology used

* Docker
* Images
  + Flask
  + Nginx
  + Ubuntu

Servers

Authentication Server

An nginx server that requests credentials to access the Web Streaming Server and Web Upload Server. It is on a two networks, one that’s connected to the bridge and another that’s connected to the web services, making it the only entry point into the system

Web Streaming Server

A Flask server that generates a list of videos based off the Database that stores video details and lets users stream the video directly from the web.

Web Upload Server

A Flask server that allows users to upload their videos, which are recorded in our MySQL DB and then saved to our File Service Server.

Database (to store video URL)

A MySQL server that’s used to store video details to a table.

File Service Server