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 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

A VSFTP server that uses sftp to store and copy files.