Antourage Video Platform Description

Overview

The Antourage platform is a cloud-native video streaming system designed for professional and semi-professional sports organizations. It enables content creators, such as sports teams or individual athletes, to broadcast live content to multiple destinations simultaneously—including mobile apps, websites, and social media platforms like YouTube and Facebook.

System Architecture

The system architecture is based on a microservices backend, a React-based single page application for the web, and native mobile apps written in Swift (iOS) and Kotlin (Android). Streaming functionality is provided via AWS Live Streaming services for the SaaS tier, while some enterprise clients use on-premises Wowza Engine instances for dedicated workloads.

The backend, developed in .NET Core and deployed using Docker containers on AWS ECS, handles user management, video stream orchestration, and third-party integrations. PostgreSQL on AWS Aurora Serverless serves as the primary database, with Firebase used for push notifications in the mobile apps. Video streaming protocols include RTMP and HLS, and ffmpeg is used for video conversion and multistreaming.

User Roles and Authentication

The platform includes role-based access control with four primary user roles: Super Admin, Admin, Creator, and Viewer. Authentication is managed using AWS Cognito with single sign-on (SSO). Admins can onboard teams, invite collaborators, and configure content visibility. Creators can start live streams, manage assets, and

publish video-on-demand (VOD) content. Viewers access content through the mobile and web interfaces.

Content Management

A basic content management system allows teams to manage their video libraries, assign metadata, and control publishing states. While analytics features are limited to basic metrics (view counts, watch duration), the system does log detailed user engagement events.

Monetization and Interactive Features

The platform supports monetization through microtransactions integrated with Stripe. Interactive features such as digital reactions or stickers are available during live streams, gated behind small payments.

Codebase and Documentation

The entire codebase is maintained across multiple repositories—backend, frontend, and infrastructure (GitLab), and mobile apps (GitHub). Documentation is versioned and stored in the source repositories, with user guides generated as static websites.

System Status and Reactivation Requirements

The last known operational state of the platform was in Q1 2023. To bring the system back online, a new AWS account, updated credentials, domain renewal, and infrastructure deployment would be required. Republish of mobile and web apps and restoration of the PostgreSQL database would also be necessary. No core components are deprecated; only minor security patches may be needed.