

Architecture Overview

The system consists of multiple microservices hosted on **AWS ECS**, communicating via **API Gateway**. The architecture ensures security, scalability, and compliance with **KYC/AML** regulations.

Key Components:

1. Authentication & KYC:

- Amazon Cognito for authentication & MFA
- KYC services (Jumio) via AWS Lambda
- DynamoDB for risk scoring and compliance audit logs
- AWS Fraud Detector for AML compliance

2. Content Management System (CMS):

- Contentful (Headless CMS) for promotional content
- GraphQL/REST API for content retrieval
- Redis for caching
- Kafka + Elasticsearch for personalized content

3. Integrations:

- Loyalty Program via OAuth 2.0-secured REST API
- Responsible Gaming Service via API Gateway + CloudWatch