AWS Content Analysis

The AWS Content Analysis solution helps you to obtain a broader understanding of your media libraries; and analyze and extract valuable metadata. To deploy this solution using the available AWS CloudFormation template, select Deploy with AWS.

1. An Amazon CloudFront distribution to serve the static web application.
2. An Amazon S3 web source bucket for hosting the static web application.
3. An Amazon Cognito user pool and identity pool to provide a user directory and federation with IAM for authentication and authorization to the web UI.
4. An Amazon API Gateway REST API for control plane workflow operations.
5. An AWS Lambda function to support the control plane REST API.
6. Amazon DynamoDB tables to store workflow-related data.
7. Amazon SQS resources to limit the total number of concurrently running workflows.
8. A Lambda function for checking workflows runs in DynamoDB.
9. Two AWS Step Functions workflows for media analysis.
10. An API Gateway REST API for CRUD functionality in the data plane.
11. A Lambda function to support the data plane REST API.
12. A DynamoDB table and an S3 bucket to record and store media and metadata.
13. Amazon Kinesis Data Streams resources to provide an interface for Amazon OpenSearch Service to access and index media metadata. A Lambda function loads media metadata into the Amazon OpenSearch Service cluster.