Content Moderation and Compliance using AWS AI Services

Customizable workflows for reliable, scalable, and cost-effective AI-based content moderation

A serverless architecture to efficiently moderate the increasing influx of user-contributed content and sensitive information across a broad range of industries including gaming, social media, e-commerce and regulated environments (such as health care and financial services).

1. Customers upload their content into the AWS Cloud.
2. Content securely persists into an Amazon Simple Storage Service (Amazon S3) bucket or another data store.
3. Activate workflows, publisher/subscriber patterns, and custom code to moderate the content.
4. Process the audio streams within video streams using Amazon Transcribe and Amazon Rekognition, and extract content moderation categories using simple APIs.
5. Use Amazon Transcribe to convert audio into text and leverage natural language processing (NLP) with Amazon Comprehend.
6. Using Amazon Textract extract content and using Amazon Comprehend natural language processing moderate content.
7. Integrate human workforces to customize model vocabularies and image labels using Amazon SageMaker Ground Truth.
8. Bring humans into the loop for scenarios that aren’t fully automatable using Amazon Augmented AI (Amazon A2I).