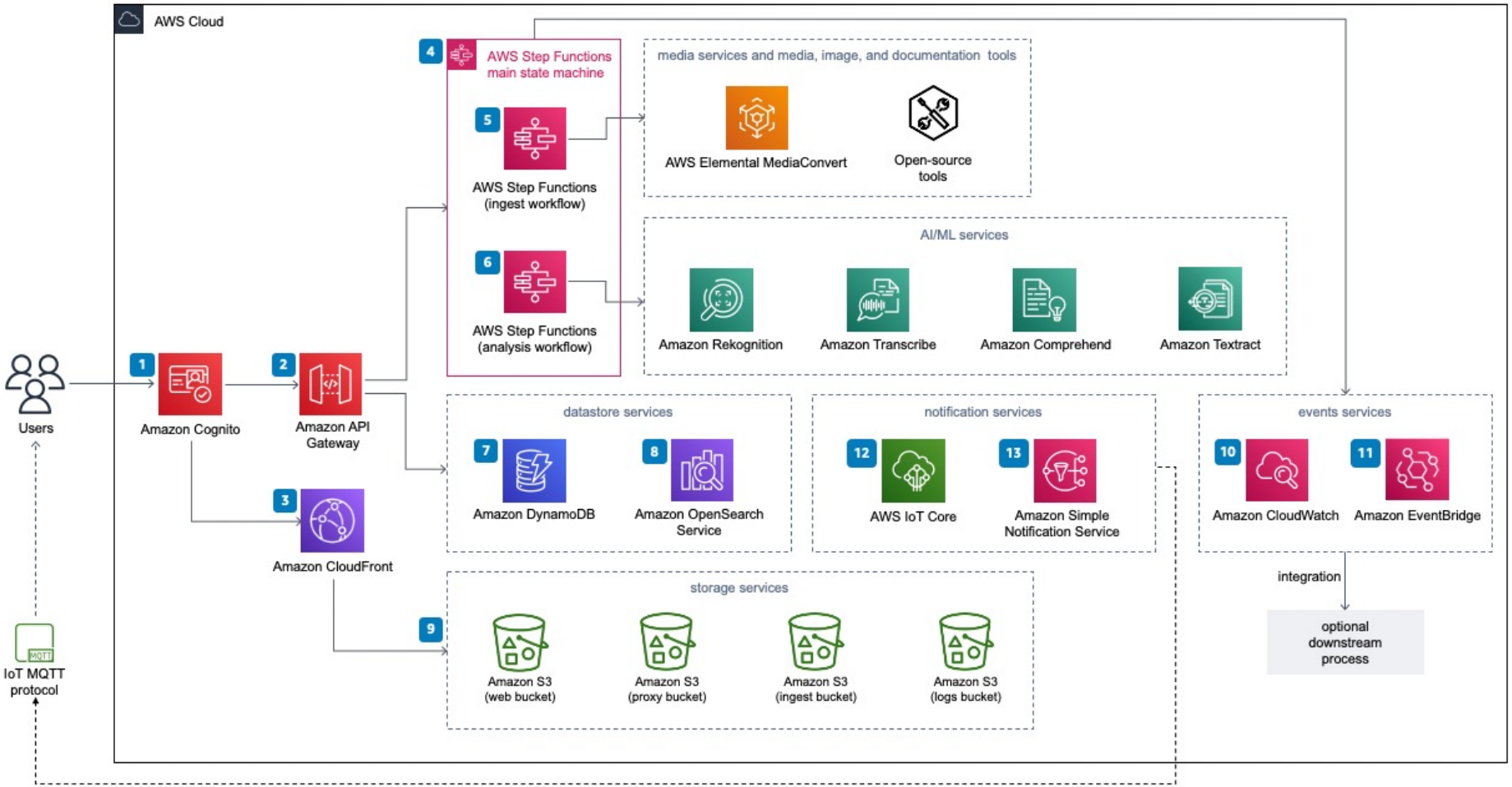
Media2Cloud

The Media2Cloud solution helps streamline and automate the content ingestion process when you migrate your digital assets to the cloud. To deploy this solution using the available AWS CloudFormation template, select **Deploy with AWS**.



1. An **Amazon Cognito** user pool to provide a user directory.
2. An **Amazon API Gateway** RESTful API endpoint.
3. An **Amazon CloudFront** distribution that hosts the web application artifacts.
4. An **AWS Step Functions** main state machine, which serves as the entry point to the solution's backend ingestion and analysis workflows.
5. An **AWS Step Functions** ingestion sub-state machine. It uses **AWS Elemental MediaConvert** for video and audio files and open-source tools for image files and documents.
6. An **AWS Step Functions** analysis sub-state machine for the analysis process. It runs analysis jobs with **Amazon Rekognition**, **Amazon Transcribe**, **Amazon Comprehend**, and **Amazon Textract**.
7. **Amazon DynamoDB** tables to store artifacts generated during the ingestion and analysis processes.
8. An **Amazon OpenSearch Service** cluster.
9. Four **Amazon Simple Storage Service (Amazon S3)** buckets for storage.
10. **Amazon CloudWatch** event rules.
11. **Amazon EventBridge** for queue management.
12. An **AWS IoT Core** topic that allows the ingestion and analysis workflows to communicate with the front-end web application.
13. **Amazon Simple Notification Service (Amazon SNS)** topics to allow **Amazon Rekognition** to publish job status in the video analysis workflow, and to support custom integrations.

Deploy with AWS

Reviewed for technical accuracy January 31, 2022

Deployable AWS Reference Implementation