SystemDiagram-SageMaker-APIendpoint

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AWS Cloud

US-West-2

Bring your model Image Training and Deployment done manualy for notebook instance

Amazon SageMaker

Customer Facing

Predict

Deployed Model

AZ1

AZ2

AZ3

Model EndPoint

Load Balancer

SageMaker NoteBook Instance

Training Instances

usage:get endpoint

DNS Resolution

API Gateway

BillingInfo

DynamoDB

Logpraser

Amazon CloudWatch

Alarm

email

S3

Model Artifacts

Training Validation Test Data set

S3 Data storage

Dashboards and Reports

Terraform

Infrastructure Deployment

AWS Container Registery

ECS Implementation Using Django and ALB

Application Load Balancer

ECS service/Task

ECS service/Task

Data Generation Image

Model image

GitHub code repo

Sagemaker notebook

Images with Django/Model output