Machine Learning Inference with AWS Lambda and Amazon EFS

Suman Debnath
Principal Developer Advocate
AISPL

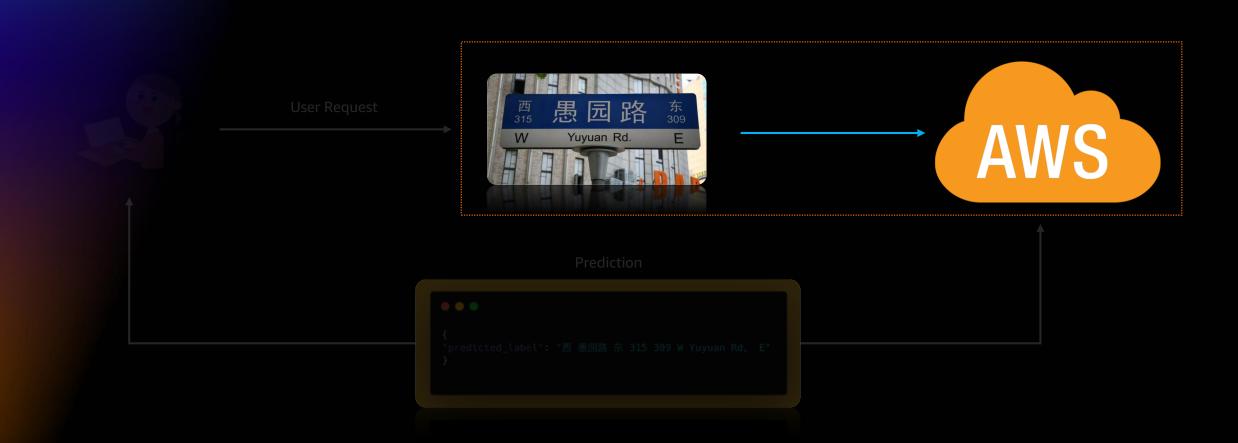


What we are going to build?





Let's focus on this...







Client Application







Client Application

Amazon API Gateway











Client Application



Amazon API Gateway







AWS Lambda

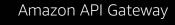






Client Application











AWS Lambda



Loading Model:

Amazon Elastic File System (Amazon EFS)







Client Application



User Request





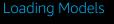


AWS Lambda



ML Engineer





Uploading Models

Amazon Elastic File System (Amazon EFS)



Amazon Simple Storage Service (Amazon S3)







Client Application



User Request









AWS Lambda



ML Engineer



Loading Models

Uploading Models



AWS Lambda



Amazon S3





Trigger



Client Application







Amazon API Gateway





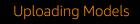
AWS Lambda



ML Engineer













AWS Lambda

Amazon S3





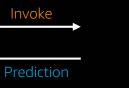


Client Application











AWS Lambda



ML Engineer

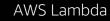












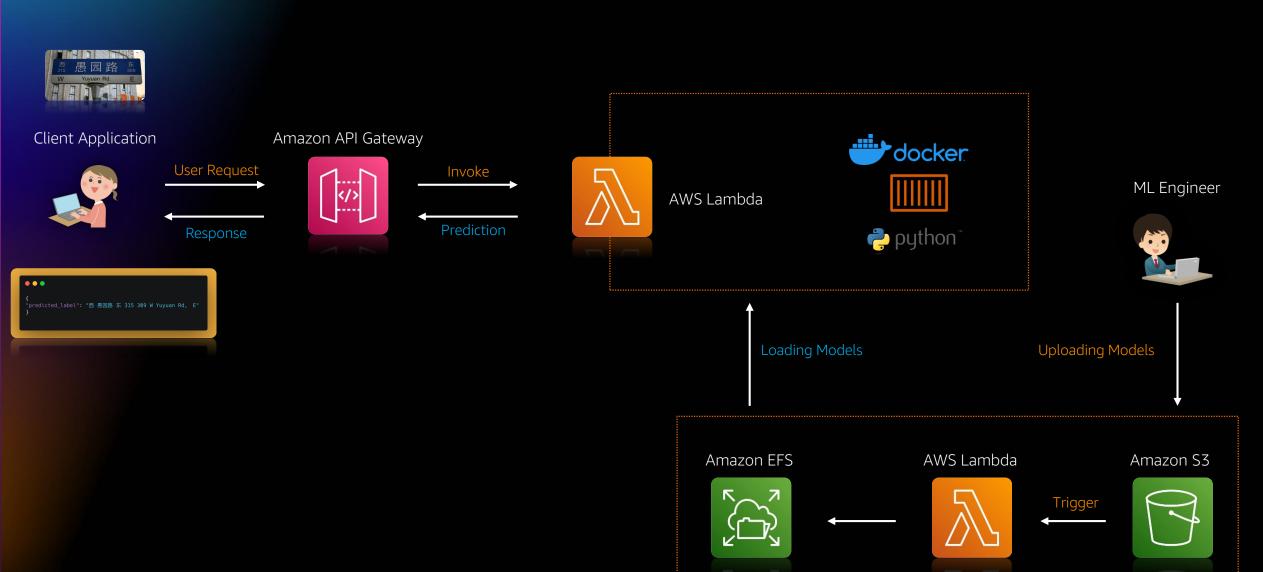




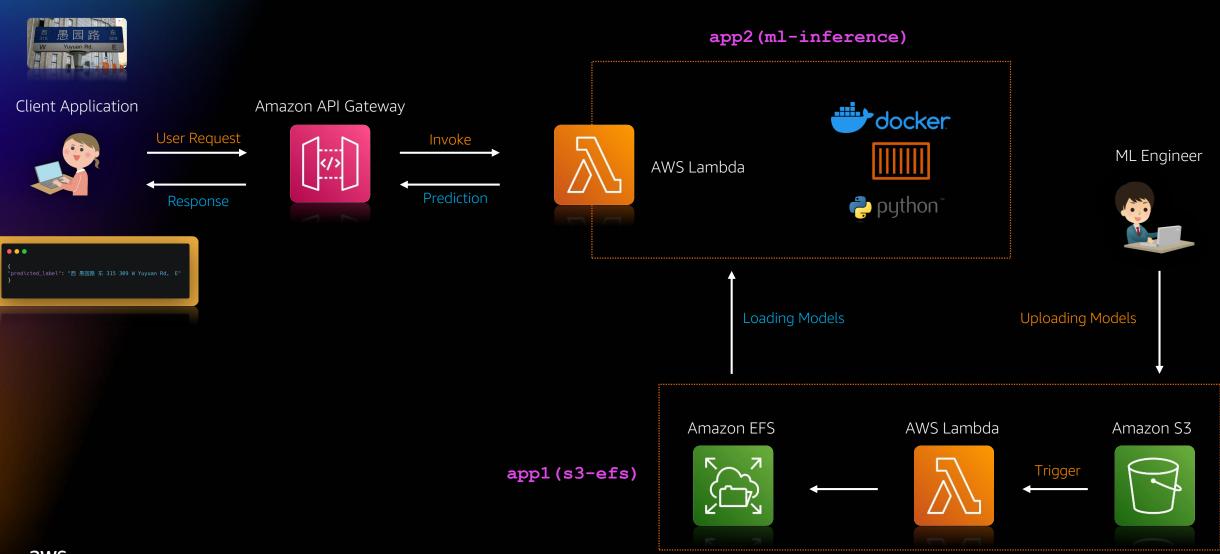




Trigger







Github

/aws-samples/ml-inference-using-aws-lambda-and-amazon-efs

Demo

- Deploy both the application using AWSSAM (Serverless Application Model)Perform the inference via Postman





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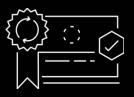


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Thank you!

