



Amazon Redshift database stores training data

Model object stored in s3 bucket

Model training

server

- •Periodically trains the new model on new data
- •Uses docker on aws ec2 instances

Web Server

Client

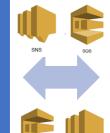
flask server

Post the request for new

data to flask api endpoint

•Receives the responds from

- •Receives post request from client
- Publishes api request to sns topic which in turns sends the message to subscribed SQS queue
- Continually polls another sqs queue to get the output from model server and publishes the output to the client



Model Server

- Continually polls the sqs message queue to read new data for making prediction
- After making the prediction publishes the predicted output to another SNS topic which in turn pushes the message to the respective subscribed SQS queue
- •Use aws ecs and docker containers to scale based on the number of messages

No/dep



Logs



Nonitoring



trigger



invoke



Lambda



