

Name:- Chirag

Section:- P(10)

Batch:- B.tech

CCV LAB ASSIGNMENT

Design a business process model for railway reservation system via cloudcraft along with optimization of cost.

S3 :Amazon S3 or Amazon Simple Storage Service is a service offered by Amazon Web Services that provides object storage through a web service interface. Amazon S3 uses the same scalable storage infrastructure that Amazon.com uses to run its global e-commerce network.

Lambda : AWS Lambda is an event-driven, serverless computing platform provided by Amazon as a part of Amazon Web Services. It is a computing service that runs code in response to events and automatically manages the computing resources required by that code.

SES : Amazon Simple Email Service (SES) is a cost-effective email service built on the reliable and scalable infrastructure that Amazon.com developed to serve its own customer base. With Amazon SES, you can send transactional email, marketing messages, or any other type of high-quality content to your customers.

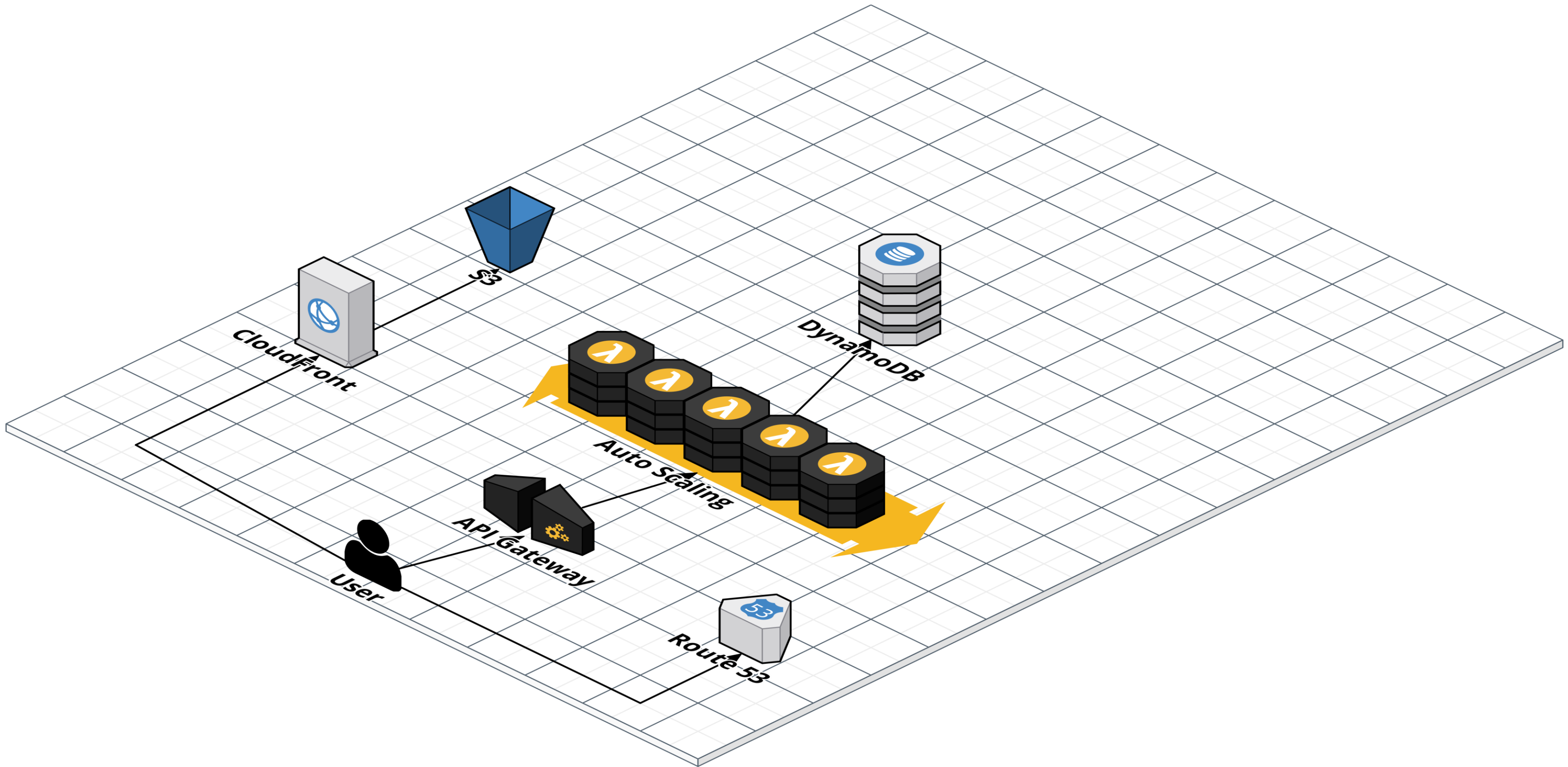
CloudFront : Amazon CloudFront is a content delivery network operated by Amazon Web Services. Content delivery networks provide a

globally-distributed network of proxy servers that cache content, such as web videos or other bulky media, more locally to consumers, thus improving access speed for downloading the content.

API Gateway :An API gateway is an API management tool that sits between a client and a collection of backend services. An API gateway acts as a reverse proxy to accept all application programming interface (API) calls, aggregate the various services required to fulfill them, and return the appropriate result.

Route 53 : Amazon Route 53 is a scalable and highly available Domain Name System service. Released on December 5, 2010, it is part of Amazon.com's cloud computing platform, Amazon Web Services

[URL:-https://app.cloudcraft.co/view/660b943b-c1c1-45d0-8655-7da265080cf7?key=cf4270c7-6d09-43a4-8f15-45a126a7f2ef&interactive=true&embed=true](https://app.cloudcraft.co/view/660b943b-c1c1-45d0-8655-7da265080cf7?key=cf4270c7-6d09-43a4-8f15-45a126a7f2ef&interactive=true&embed=true)



Category	Type	Region	Count	Unit price	Total cost	Instance type	Instance size	Platform
compute	lambda	us-east-1	5	\$6.21	\$31.05			
networking	apigateway	us-east-1	1	\$5.00	\$5.00			
storage	s3	us-east-1	1	\$0.23	\$0.23			
database	dynamodb	us-east-1	1	\$5.35	\$5.35			
compute	lambda always free tier				-\$5.41			
database	dynamodb always free tier				-\$5.35			

Engine	Storage	Data	Snapshots	Volume type	IOPS	Memory (MB)	Requests (M)	Seconds req.
--------	---------	------	-----------	-------------	------	-------------	--------------	--------------

128

5

0.5

10

10

5

Write units	Consistency	Shards	Put units	Extended retention	Emails (K)	Requests (K)	Notification count (K)
-------------	-------------	--------	-----------	--------------------	------------	--------------	------------------------

5 strong

Cache size (GB)	API calls (M)	Tier	Instance
-----------------	---------------	------	----------

0.5

5