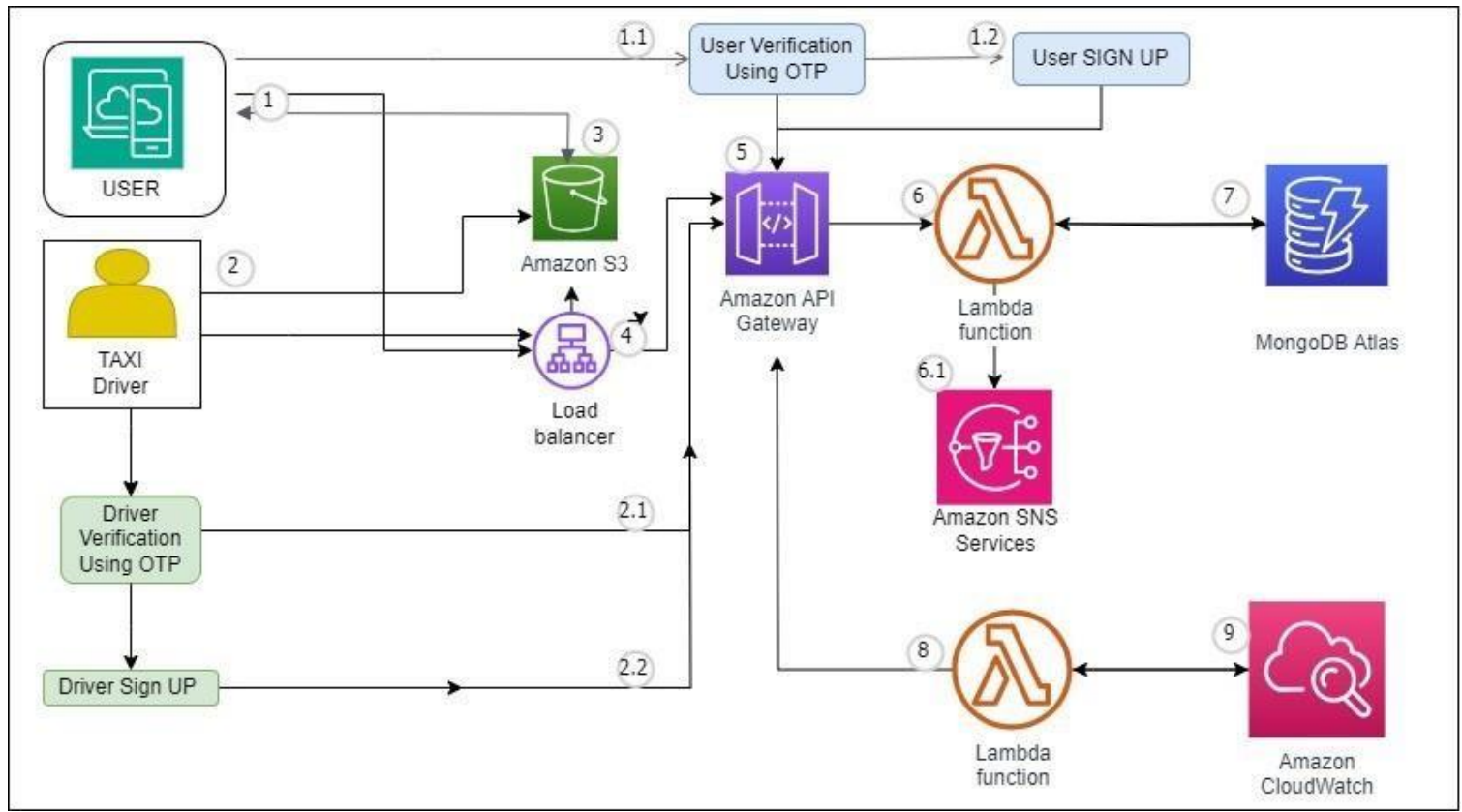
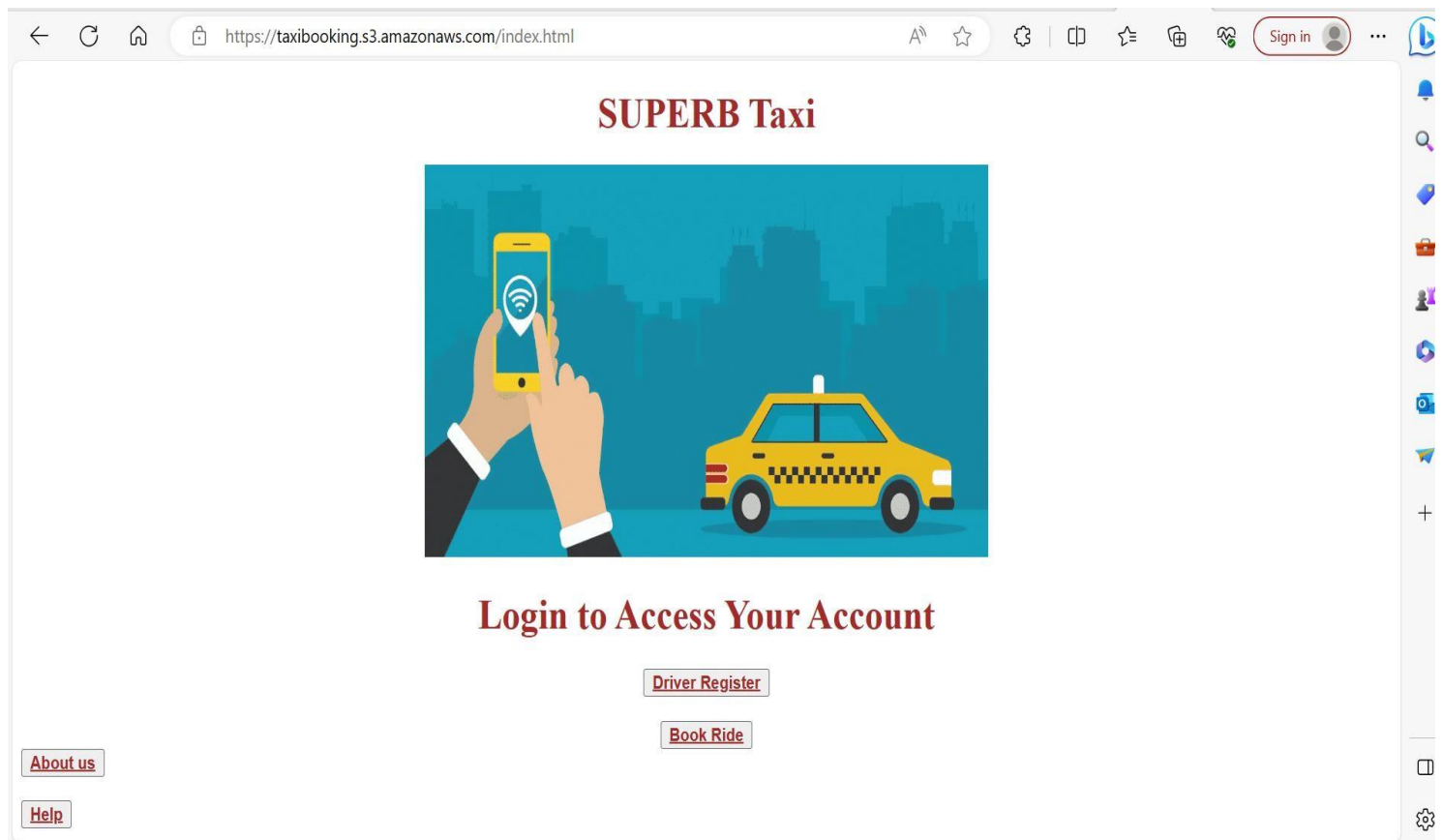


Topic: Location based taxi-aggregator and selector

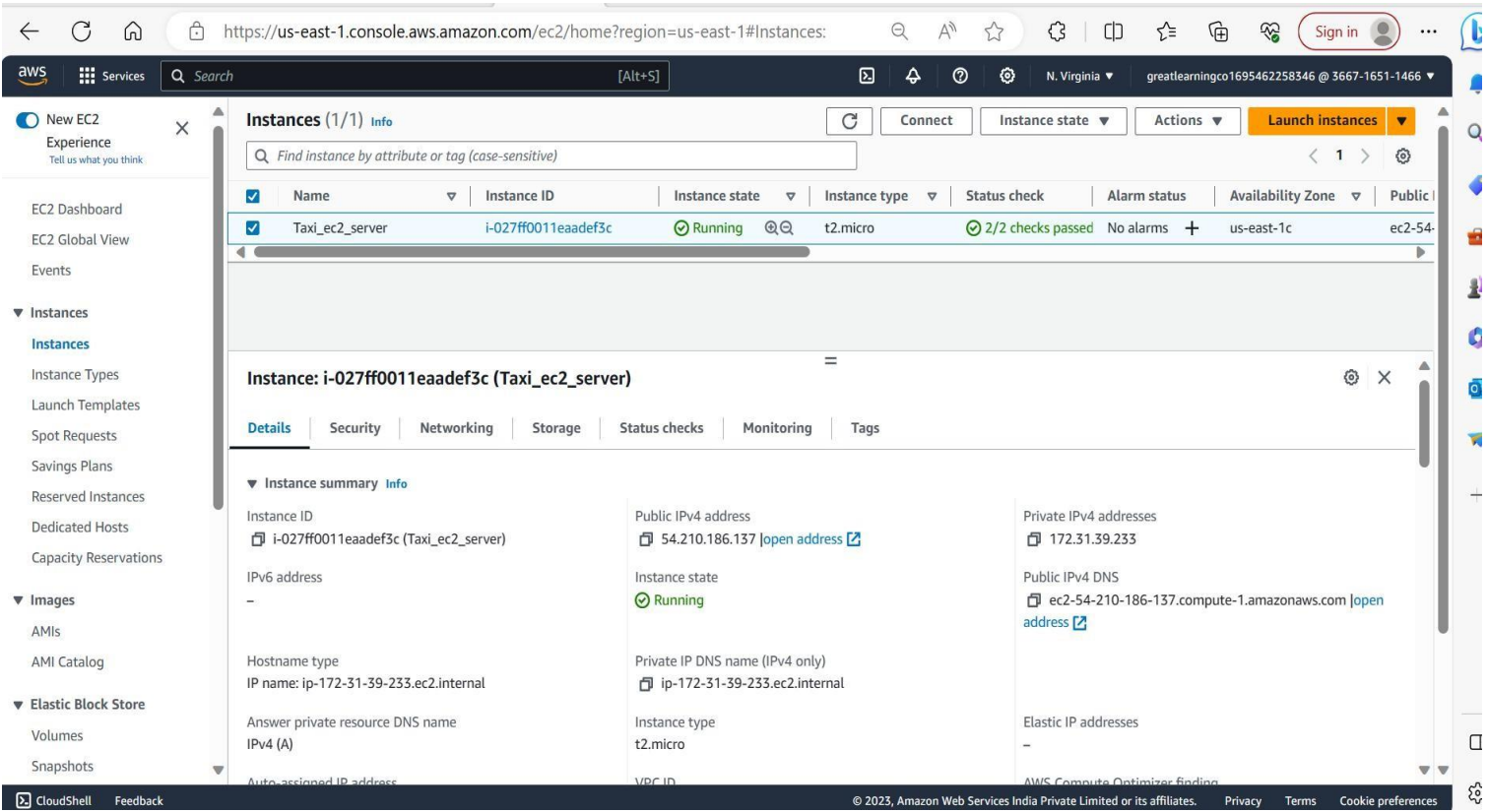
Architecture



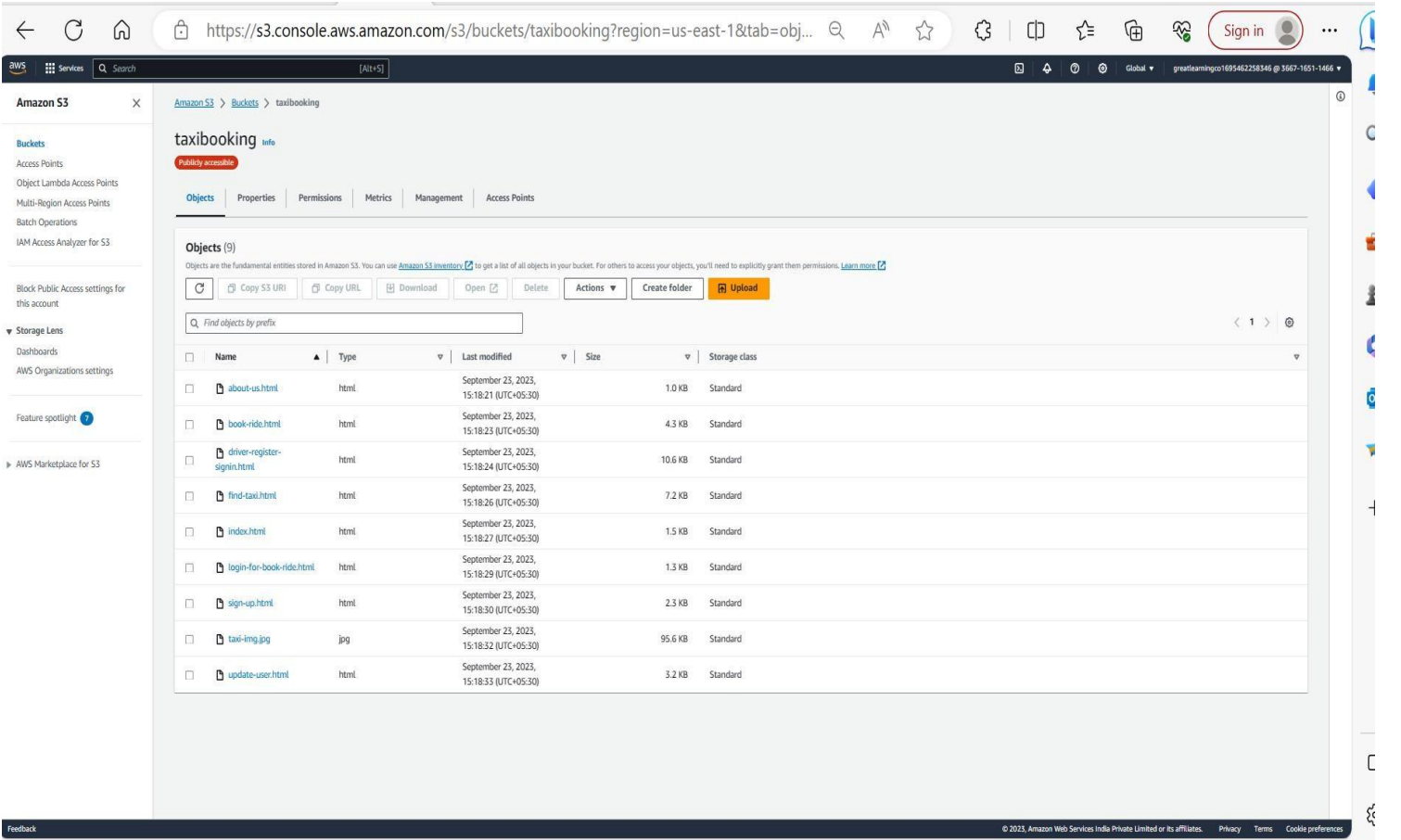
1)Taxi booking index page



2) Creating EC2- instance server



3) Creation of S3 Bucket



4) Creating Lambda functions

← → ↺ 🏠 🔒 https://us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/fu... 🔍 🗒️ ⚙️ 📄 ⭐️ 📌 📁 📧 📧 Sign in

aws Services 🔍 Search [Alt+S] 📧 🔔 ⓘ ⚙️ N. Virginia greatlearningco1695462258346 @ 3667-1651-1466

☰ Lambda > Functions ⓘ

Functions (10) Last fetched 1 minute ago

🔄 Actions

Create function

🔍 Filter by tags and attributes or search by keyword

< 1 > ⚙️

<input type="checkbox"/>	Function name ▾	Description ▾	Package type ▾	Runtime ▾	Last modified ▾
<input type="checkbox"/>	driver_register	An Amazon SNS trigger that logs the message pushed to the SNS topic.	Zip	Python 3.8	2 days ago
<input type="checkbox"/>	driver_login	-	Zip	Python 3.7	yesterday
<input type="checkbox"/>	verify_user_otp	An Amazon SNS trigger that logs the message pushed to the SNS topic.	Zip	Python 3.8	2 days ago
<input type="checkbox"/>	find_taxi	-	Zip	Python 3.7	yesterday
<input type="checkbox"/>	send_otp_user	An Amazon SNS trigger that logs the message pushed to the SNS topic.	Zip	Python 3.8	13 days ago
<input type="checkbox"/>	update_user_details	-	Zip	Python 3.8	yesterday
<input type="checkbox"/>	driver_end_ride	-	Zip	Python 3.7	yesterday
<input type="checkbox"/>	superb_sns_lambdafunction	-	Zip	Python 3.8	8 days ago
<input type="checkbox"/>	book_ride	-	Zip	Python 3.7	yesterday
<input type="checkbox"/>	user_login	-	Zip	Python 3.8	2 days ago

CloudShell Feedback © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

5) Taxi_Driver_Registration

← ↺ 🏠 🔒 https://taxibooking.s3.amazonaws.com/driver-register-signin.html 🔍 🗒️ ⚙️ 📄 ⭐️ 📌 📧 📧 Sign in

Taxi Driver Sign Up

Full Name:

Email:

Phone Number:

Vehical Number:

DL Number:

Vehicle Type:

Sedan ▾

Submit

5.1)Taxi_Driver_registration_Details

Taxi Driver Sign Up

Full Name:

Email:

Phone Number:

Vehical Number:

DL Number:

Vehicle Type:

Sedan

 ▾

Submit

5.2)Taxi_driver_registration_successful

Taxi Driver Sign Up

Full Name:

Email:

Phone Number:

Vehical Number:

DL Number:

Vehicle Type:

Sedan

 ▾

Submit

taxibooking.s3.amazonaws.com says

Driver details inserted successfully.

OK

6)Taxi_Driver_Login

Login to List Rides

Email:

Log In

6.1)Taxi_driver_login_cerdentials

Bookings List

Email:

Log In

User Full Name	Start	End	Status	Booking Id	Action
----------------	-------	-----	--------	------------	--------

7) User_Sign_up

←

→

↻

🏠

🔒 https://taxibooking.s3.amazonaws.com/book-ride.html

🔍

A

☆

⚙

📄

☆

🔖

🔒

🌐

Sign in

...

Sign Up

Phone Number:

7.1)user_OTP_verification

←

→

↻

🏠

🔒 https://taxibooking.s3.amazonaws.com/sign-up.html

A

☆

⚙

📄

☆

🔖

🔒

🌐

Sign in

...

Taxi User OTP Verification

An OTP has been sent to your registered mobile number.

Phone Number:

Enter OTP:

7.1.2)User_Registration

←

↻

🏠

🔒 https://taxibooking.s3.amazonaws.com/update-user.html

🔍

A

☆

⚙

📄

☆

🔖

🔒

🌐

Sign in

...

User Registration

Phone Number:

Username:

Email:

Password:

Confirm Password:

8) User_Login

Login

Phone Number: +919727708977

Password:

Login

8.1Logged_in_successful

← → ↻ 🏠 🔒 https://taxibooking.s3.amazonaws.com/book-ride.html 🔍 🔊 ☆ ⚙️ | 📄 ☆ ⌂ 📌 📱 📶 Sign in

Sign Up

Phone Number:

Sign Up

Login

Phone Number: +919727708977

Password:

Login

taxibooking.s3.amazonaws.com says

User logged in successfully.

OK

9) User Booking ride

← ↻ 🏠 🔒 https://taxibooking.s3.amazonaws.com/find-taxi.html 🔍 🔊 ☆ ⚙️ | 📄 ☆ ⌂ 📌 📱 📶 Sign in

Book My Ride

Phone Number: +919727708977

Destination: RKNAGAR

Vehicle Type: Sedan ▾

Book Taxi

9.1booking_successful

← ↻ 🏠

https://taxibooking.s3.amazonaws.com/find-taxi.html

🔍 🔊 ☆ ⚙️ | 📄 ☆ 📌 🔄 🔒

Sign in

...

Book My Ride

Phone Number:

Destination:

Vehicle Type:

taxibooking.s3.amazonaws.com says

Ride booked successfully.

9.1.2SnS_trigger_to_user

← ↻ 🏠

https://mail.google.com/mail/u/1/#inbox/FMfcgzGtxKWCZpWLdrJrsHvffwZNPqjt

🔍 🔊 ☆ ⚙️ | 📄 ☆ 📌 🔄 🔒

Sign in

...

☰

Search mail

⚙️

✍️ Compose

Inbox13,954

☆ Starred

🕒 Snoozed

➤ Sent

📄 Drafts32

⌵ More

Labels+

📧 Notes

←

📅

🕒

🗑️

✉️

🕒

↶

📁

🗑️

⋮

1 of 17,254

⏪ ⏩

AWS Notification Message

Inbox x

🖨️ 📧

AWS Notifications

<no-reply@sns.amazonaws.com>

to me ⌵

Your Taxi Booked successfully!

--

If you wish to stop receiving notifications from this topic, please click or visit the link below to unsubscribe:
https://sns.us-east-1.amazonaws.com/unsubscribe.html?SubscriptionArn=arn:aws:sns:us-east-1:366716511466:Superb_taxi:9331d736-a609-46f6-85d8-6180cc8e552b&Endpoint=dharanireddy7036@gmail.com

Please do not reply directly to this email. If you have any questions or comments regarding this email, please contact us at <https://aws.amazon.com/support>

⏪ Reply

➦ Forward

12:58 AM (0 minutes ago)

☆

↶

⋮

10) Connecting_putty_and_login_ubuntu

ubuntu@ip-172-31-39-233: ~

login as: ubuntu

Authenticating with public key "Taxi_KeyPair-Ec2"

Welcome to Ubuntu 20.04.6 LTS (GNU/Linux 5.15.0-1036-aws x86_64)

* Documentation: https://help.ubuntu.com

* Management: https://landscape.canonical.com

* Support: https://ubuntu.com/advantage

System information as of Sat Sep 23 17:52:01 UTC 2023

System load: 0.0 Processes: 101

Usage of /: 34.4% of 7.57GB Users logged in: 0

Memory usage: 28% IPv4 address for eth0: 172.31.39.233

Swap usage: 0%

* Ubuntu Pro delivers the most comprehensive open source security and compliance features.

https://ubuntu.com/aws/pro

Expanded Security Maintenance for Applications is not enabled.

47 updates can be applied immediately.

To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.

See https://ubuntu.com/esm or run: sudo pro status

New release '22.04.3 LTS' available.

Run 'do-release-upgrade' to upgrade to it.

*** System restart required ***

Last login: Sat Sep 23 17:26:39 2023 from 49.43.200.228

ubuntu@ip-172-31-39-233:~\$

10.1 Data_generating_in_putty

```
ubuntu@ip-172-31-39-233: ~
77.16491420000004
}
},
"date_of_register": "2020-07-14",
"status": "UNDER_MAINTENANCE",
"email": "mail.anku559+drive024@gmail.com"
}
-----
Previous Data:
{
  "vehicle_number": "BH 2023 37",
  "phone_number": 7867582095,
  "full_name": "Jimmy",
  "vehicle_type": "MUV",
  "current_location": {
    "type": "Point",
    "coordinates": [
      28.60924,
      77.21118
    ]
  },
},
"date_of_register": "2021-11-07",
"status": "ACTIVE",
"email": "mail.anku559+drive025@gmail.com"
}
Updated Data:
{
  "vehicle_number": "BH 2023 37",
  "phone_number": 7867582095,
  "full_name": "Jimmy",
  "vehicle_type": "MUV",
  "current_location": {
    "type": "Point",
    "coordinates": [
      28.631901330658103,
      77.25640821510643
    ]
  },
},
"date_of_register": "2021-11-07",
"status": "ACTIVE",
"email": "mail.anku559+drive025@gmail.com"
}
-----
ubuntu@ip-172-31-39-233:~$
```

11)Mongodb_atlas showing_nodata

Atlas

GL's Org - 20...

Access Manager

Billing

All ClustersGet HelpGL

Taxi

Data ServicesApp ServicesCharts

Overview

DEPLOYMENT

Database

Data Lake

SERVICES

Device Sync

Triggers

Data API

Data Federation

Search

Stream Processing

SECURITY

Quickstart

Backup

Database Access

Network Access

GL'S ORG - 2023-08-20 > TAXI > DATABASES

taxi-cluster

VERSION6.0.10

REGIONAWS N. Virginia (us-east-1)

OverviewReal TimeMetricsCollectionsSearchProfilerPerformance AdvisorOnline ArchiveCmd Line Tools

DATABASES: 0COLLECTIONS: 0

VISUALIZE YOUR DATAREFRESH

Explore Your Data

- Find: run queries and interact with documents

- Indexes: build and manage indexes

- Aggregation: test aggregation pipelines

- Search: build search indexes

Load a Sample Dataset

Add My Own Data

11.1with_data

Atlas

GL's Org - 20...

Access Manager

Billing

All ClustersGet HelpGL

Taxi

Data ServicesApp ServicesCharts

Overview

DEPLOYMENT

Database

Data Lake

SERVICES

Device Sync

Triggers

Data API

Data Federation

Search

Stream Processing

SECURITY

Quickstart

Backup

Database Access

Network Access

OverviewReal TimeMetricsCollectionsSearchProfilerPerformance AdvisorOnline ArchiveCmd Line Tools

DATABASES: 1COLLECTIONS: 3

+ Create Database

Search Namespaces

super_taxi

bookings

drivers

users

super_taxi

LOGICAL DATA SIZE: 20.03KBSTORAGE SIZE: 80KBINDEX SIZE: 152KBTOTAL COLLECTIONS: 3

CREATE COLLECTION

Collection Name	Documents	Logical Data Size	Avg Document Size	Storage Size	Indexes	Index Size	Avg Index Size
bookings	0	0B	0B	36KB	1	36KB	36KB
drivers	50	18.26KB	375B	24KB	3	76KB	25.33KB
users	5	1.76KB	361B	20KB	2	40KB	20KB

ubuntu@ip-172-31-39-233: ~

12)Taxi_driver_registration_details_in_backend_(mongodb_atlas_)

Atlas

GL's Org - 20...

Access Manager

Billing

All ClustersGet HelpGL

Taxi

Data ServicesApp ServicesCharts

Overview

DEPLOYMENT

Database

Data Lake

SERVICES

Device Sync

Triggers

Data API

Data Federation

Search

Stream Processing

SECURITY

Quickstart

Backup

Database Access

Network Access

FindIndexesSchema Anti-PatternsAggregationSearch Indexes

FilterType a query: { field: 'value' }

RESETApplyMore Options

_id: ObjectId('650f29053ffceef7d9df6a7a')
full_name: "Dharani Rachamalla"
email: "dharanireddy7036@gmail.com"
phone_number: "+917702737984"
vehicle_number: "AP123456"
driving_license_no: "4634"
vehicle_type: "SEDAN"
plain_password: "jcdQx(\$W"
hash: "WC5tI-LDioYbyveEwoLPIMQnZ9fCiYau2bfLsuPOE-E0daGE1P8blyWendn7PJSoyQ6Qj_..."

PREVIOUS41-51 of 51 resultsNEXT

System Status: All Good

©2023 MongoDB, Inc. Status Terms Privacy Atlas Blog Contact Sales

12.1

Atlas

GL's Org - 20...

Access Manager

Billing

All ClustersGet HelpGL

Taxi

Data ServicesApp ServicesCharts

Overview

DEPLOYMENT

Database

Data Lake

SERVICES

Device Sync

Triggers

Data API

Data Federation

Search

Stream Processing

SECURITY

Quickstart

Backup

Database Access

Network Access

OverviewReal TimeMetricsCollectionsSearchProfilerPerformance AdvisorOnline ArchiveCmd Line Tools

DATABASES: 1COLLECTIONS: 3

+ Create Database

Search Namespaces

super_taxi

bookings

drivers

users

super_taxi

LOGICAL DATA SIZE: 20.45KBSTORAGE SIZE: 96KBINDEX SIZE: 180KBTOTAL COLLECTIONS: 3

CREATE COLLECTION

Collection Name	Documents	Logical Data Size	Avg Document Size	Storage Size	Indexes	Index Size	Avg Index Size
bookings	0	0B	0B	32KB	1	32KB	32KB
drivers	51	18.88KB	380B	44KB	3	108KB	36KB
users	5	1.76KB	361B	20KB	2	40KB	20KB

13)Booking_Record_table

Atlas

GL's Org - 20...

Access Manager

Billing

All ClustersGet HelpGL

Taxi

Data ServicesApp ServicesCharts

Overview

DEPLOYMENT

Database

Data Lake

SERVICES

Device Sync

Triggers

Data API

Data Federation

Search

Stream Processing

SECURITY

Quickstart

Backup

Database Access

super_taxi

bookings

drivers

users

Find

Indexes

Schema Anti-Patterns

Aggregation

Search Indexes

Filter

Type a query: { field: 'value' }

Reset

Apply

More Options

INSERT DOCUMENT

QUERY RESULTS: 1-1 OF 1

_id: ObjectId('650f38d39c430b4e27eaf6c2')

user_id: ObjectId('650f265e73cc38b22a433e92')

taxi_id: ObjectId('650f265d73cc38b22a433e67')

pickup_location: Object

phone_number: "+919727708977"

drop_off_location: "RKNAGAR"

vehicle_type: "SEDAN"

status: "ONGOING"

start_date: 2023-09-23T19:13:23.032+00:00

System Status: All Good

©2023 MongoDB, Inc. Status Terms Privacy Atlas Blog Contact Sales

14)user_registration

Atlas

GL's Org - 20...

Access Manager

Billing

All ClustersGet HelpGL

Taxi

Data ServicesApp ServicesCharts

Overview

DEPLOYMENT

Database

Data Lake

SERVICES

Device Sync

Triggers

Data API

Data Federation

Search

Stream Processing

SECURITY

Quickstart

Backup

Database Access

Network Access

DATABASES: 1 COLLECTIONS: 3

+ Create Database

Search Namespaces

super_taxi

bookings

drivers

users

LOGICAL DATA SIZE: 20.65KB STORAGE SIZE: 96KB INDEX SIZE: 180KB TOTAL COLLECTIONS: 3

CREATE COLLECTION

Collection Name	Documents	Logical Data Size	Avg Document Size	Storage Size	Indexes	Index Size	Avg Index Size
bookings	0	0B	0B	32KB	1	32KB	32KB
drivers	51	18.88KB	380B	44KB	3	108KB	36KB
users	5	1.76KB	361B	20KB	2	40KB	20KB

15Dashboard for data analysis

aws

Services

Search

[Alt+S]

N. Virginia

greatlearningco1695462258346 @ 3667-1651-1466

AWS Lambda

Dashboard

Applications

Functions

Additional resources

Code signing configurations

Layers

Replicas

Related AWS resources

Step Functions state machines

Account-level metrics

The charts below show metrics across all your Lambda functions in this AWS Region.

1h3h12h1d3d1wUTC

Error count and success rat...

Count

No unit

1

0.5

99.5

99

16:40

19:40

Errors

Success rate (%)

Throttles

Count

1

0.5

0

16:40

19:40

Throttles

Invocations

Count

6

3.5

1

16:40

19:40

Invocations

Duration

Milliseconds

1.49k

Total concurrent executions

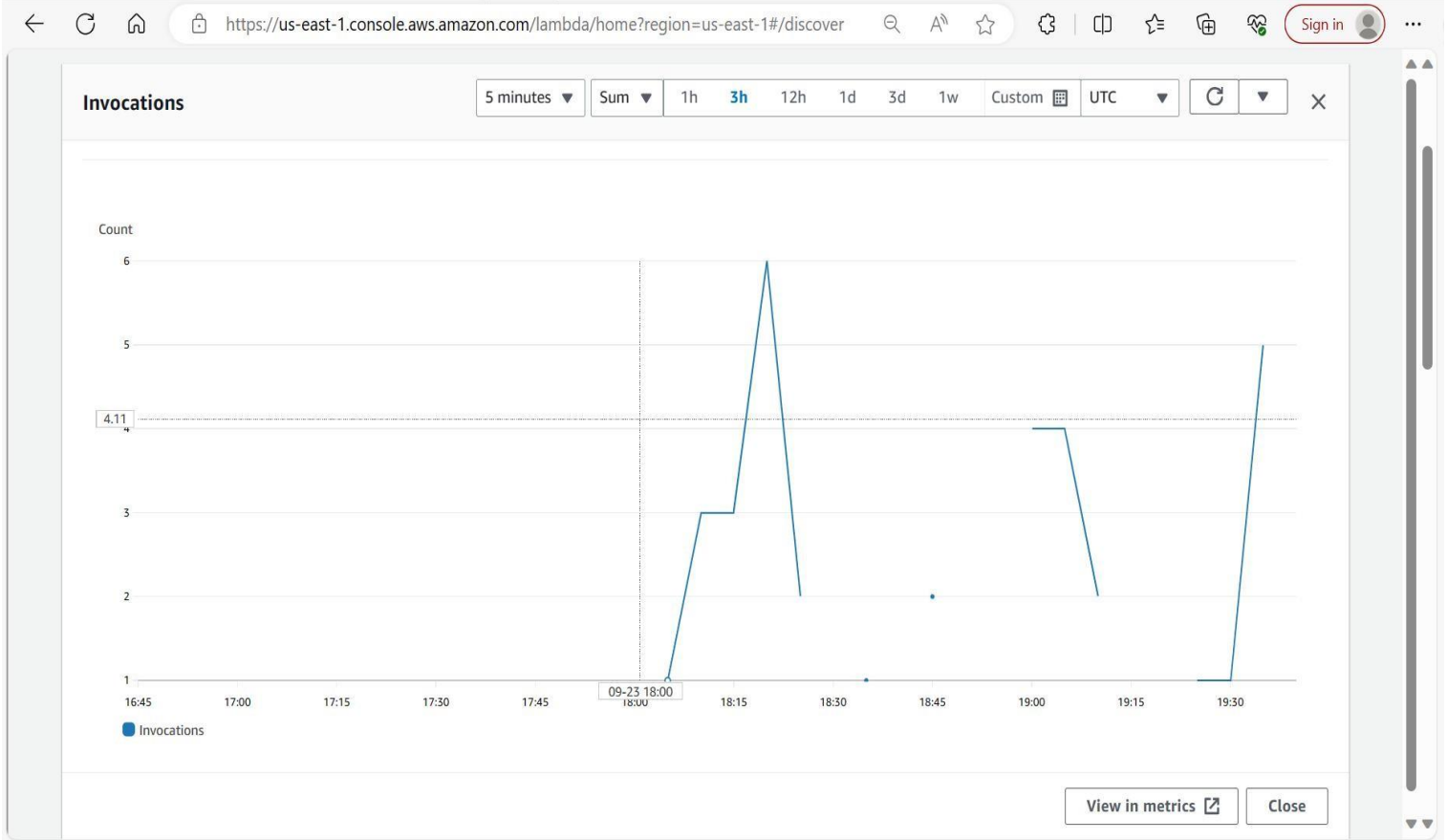
Count

2

Unreserved concurrent exec...

Count

2



16)Lambda_function_for_Every_minute_triggering_of_taxi

https://us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/...

The trigger lambdacloudwatch_for_sns was successfully added to function superb_sns_lambdafunction. The function is now receiving events from the trigger.

Function overview

superb_sns_lambdafunction

EventBridge (CloudWatch Events) (2)

API Gateway

+ Add trigger

+ Add destination

Description

Last modified: 8 days ago

Function ARN: `arn:aws:lambda:us-east-1:366716511466:function:superb_sns_lambdafunction`

Function URL: [Info](#)

Triggers (3)

Find triggers

- ☐ Trigger
- ☐ EventBridge (CloudWatch Events): [taxi_booking_each_minute](#)
`arn:aws:events:us-east-1:366716511466:rule/taxi_booking_each_minute`
The rule taxi_booking_each_minute could not be found.
Details
- ☐ EventBridge (CloudWatch Events): [lambdacloudwatch_for_sns](#)
`arn:aws:events:us-east-1:366716511466:rule/lambdacloudwatch_for_sns`
Rule state: **ENABLED**
Details
- ☐ API Gateway: [superb_sns_lambdafunction_api](#)
`arn:aws:execute-api:us-east-1:366716511466:poutnk2d3b/*/*/*superb_sns_lambdafunction`
API endpoint: https://poutnk2d3b.execute-api-us-east-1.amazonaws.com/superb_sns_lambdafunction
Details

© 2021 Amazon Web Services India Private Limited or its affiliates. Privacy Terms Create preferences

17)movement_of_50_taxis

