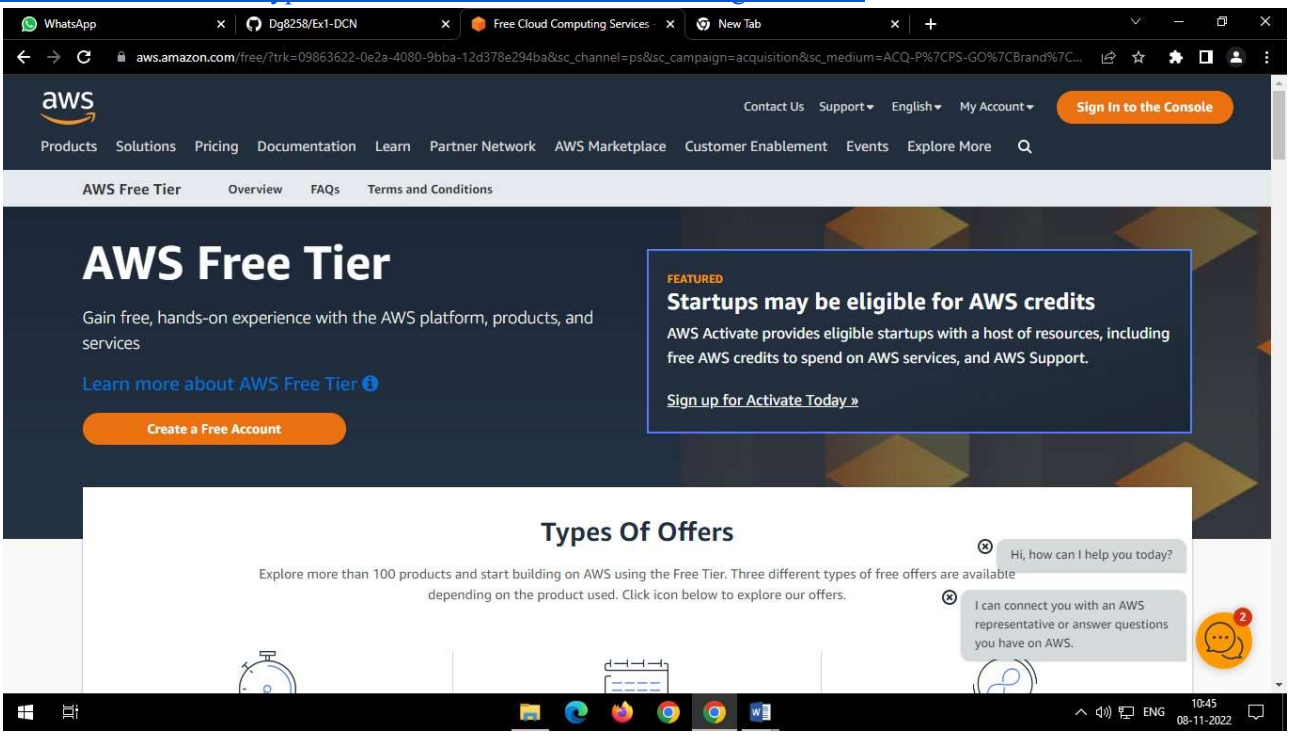
Migrate to Amazon RDS

Dushyant Rao
RA2011028010106

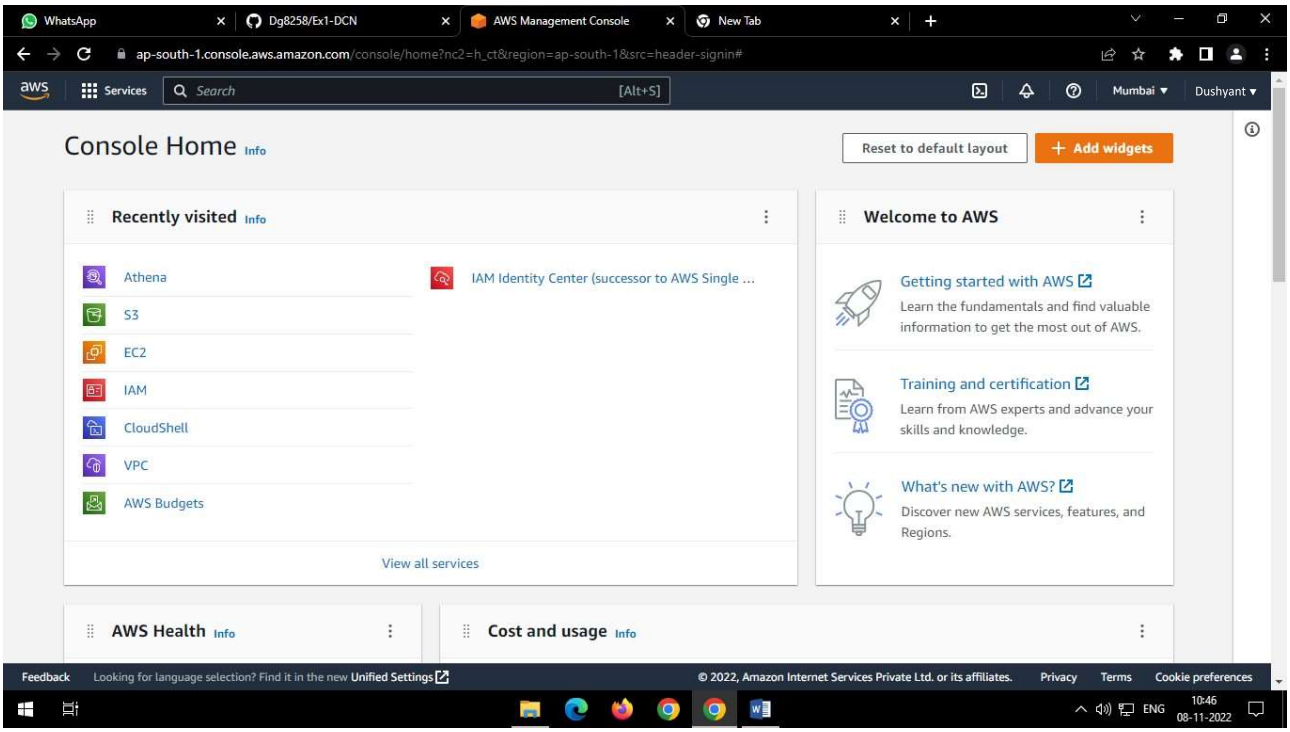
PROCEDURE:

https://aws.amazon.com/free/?trk=09863622-0e2a-4080-9bba-12d378e294ba&sc_channel=ps&sc_campaign=acquisition&sc_medium=ACQ-P|PS-GO|Brand|Desktop|SU|AWS|Core|IN|EN|Text&s_kwcid=AL!4422!3!453325185010!e!!g!!aws%20free&ef_id=Cj0KCQjw_7KXBhCoARIsAPdPTfiIj_nDXTj072T5S-Pc 3j6qaBSDqVs-6FJI1WtuV8Eo3mdZUwcv5_8aArdoEALw_wcB:G:s&s_kwcid=AL!4422!3!453325185010!e!!g!!aws%20free&all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc&awsf.Free%20Tier%20Types=*all&awsf.Free%20Tier%20Categories=*all

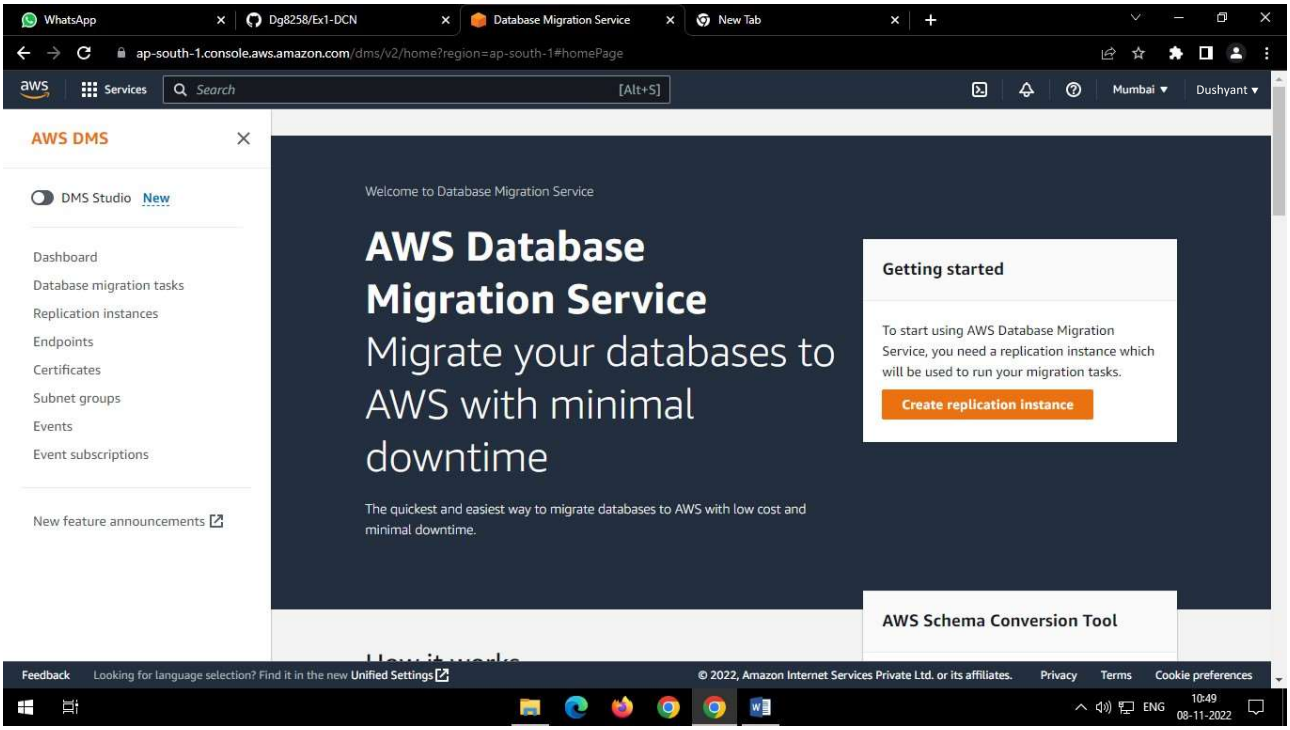


Login to your AWS account

2.

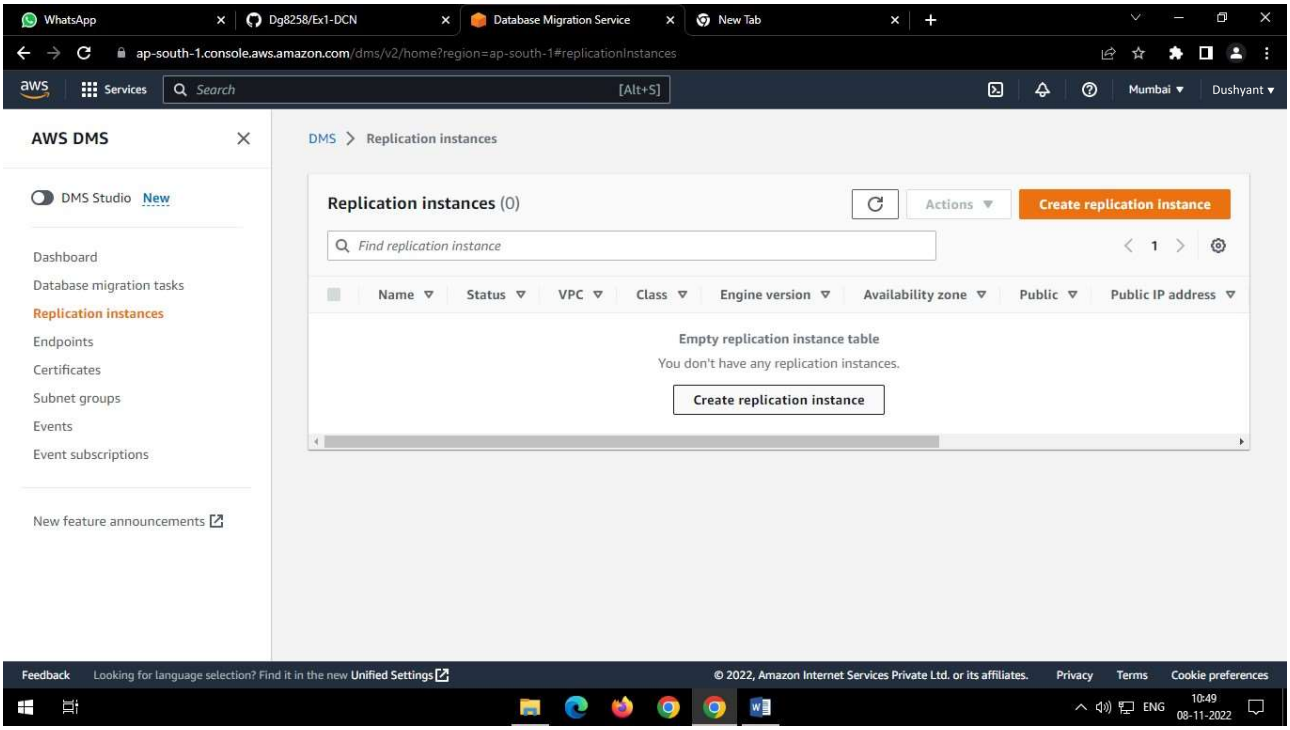


3.Search for DATABASE MANAGEMENT SERVICE



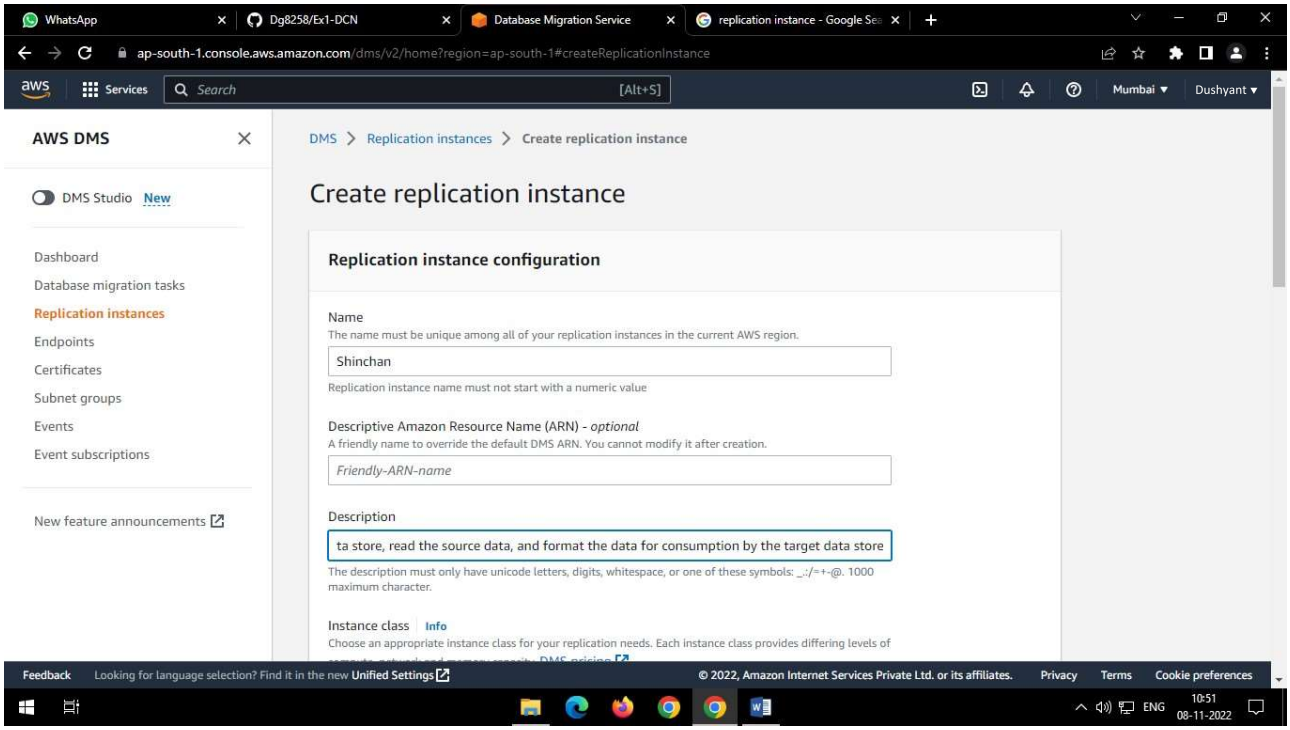
Open REPLICATION INSTANCES

4.



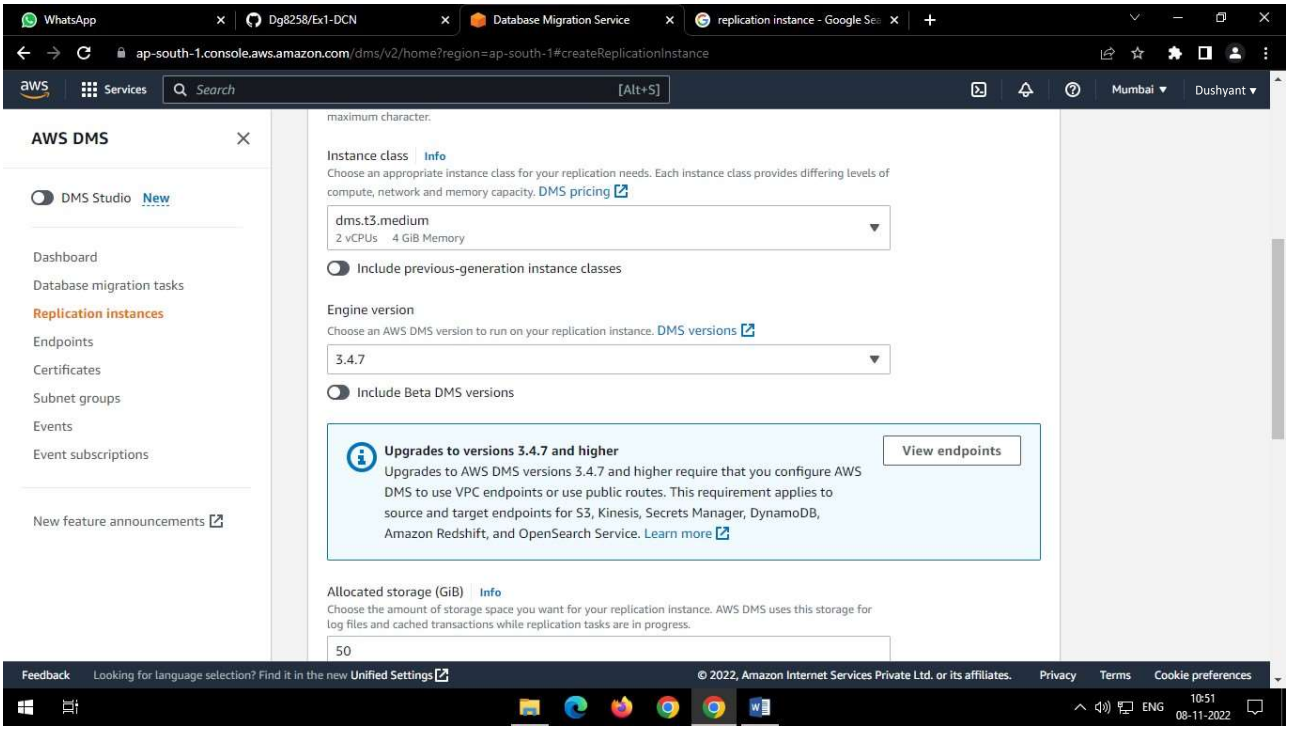
Click on CREATE REPLICATION INSTANCE

5.



Enter your replication instance NAME, DESCRIPTION

6.


WhatsApp
Dg8258/Ex1-DCN
Database Migration Service
replication instance - Google Se
ap-south-1.console.aws.amazon.com/dms/v2/home?region=ap-south-1#createReplicationInstance
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AWS DMS
DMS Studio New
Dashboard
Database migration tasks
Replication instances
Endpoints
Certificates
Subnet groups
Events
Event subscriptions
New feature announcements
maximum character.
Instance class Info
Choose an appropriate instance class for your replication needs. Each instance class provides differing levels of compute, network and memory capacity. DMS pricing
dms.t3.medium
2 vCPUs 4 GiB Memory
Include previous-generation instance classes
Engine version
Choose an AWS DMS version to run on your replication instance. DMS versions
3.4.7
Include Beta DMS versions
Upgrades to versions 3.4.7 and higher
Upgrades to AWS DMS versions 3.4.7 and higher require that you configure AWS DMS to use VPC endpoints or use public routes. This requirement applies to source and target endpoints for S3, Kinesis, Secrets Manager, DynamoDB, Amazon Redshift, and OpenSearch Service. Learn more
View endpoints
Allocated storage (GiB) Info
Choose the amount of storage space you want for your replication instance. AWS DMS uses this storage for log files and cached transactions while replication tasks are in progress.
50
Feedback
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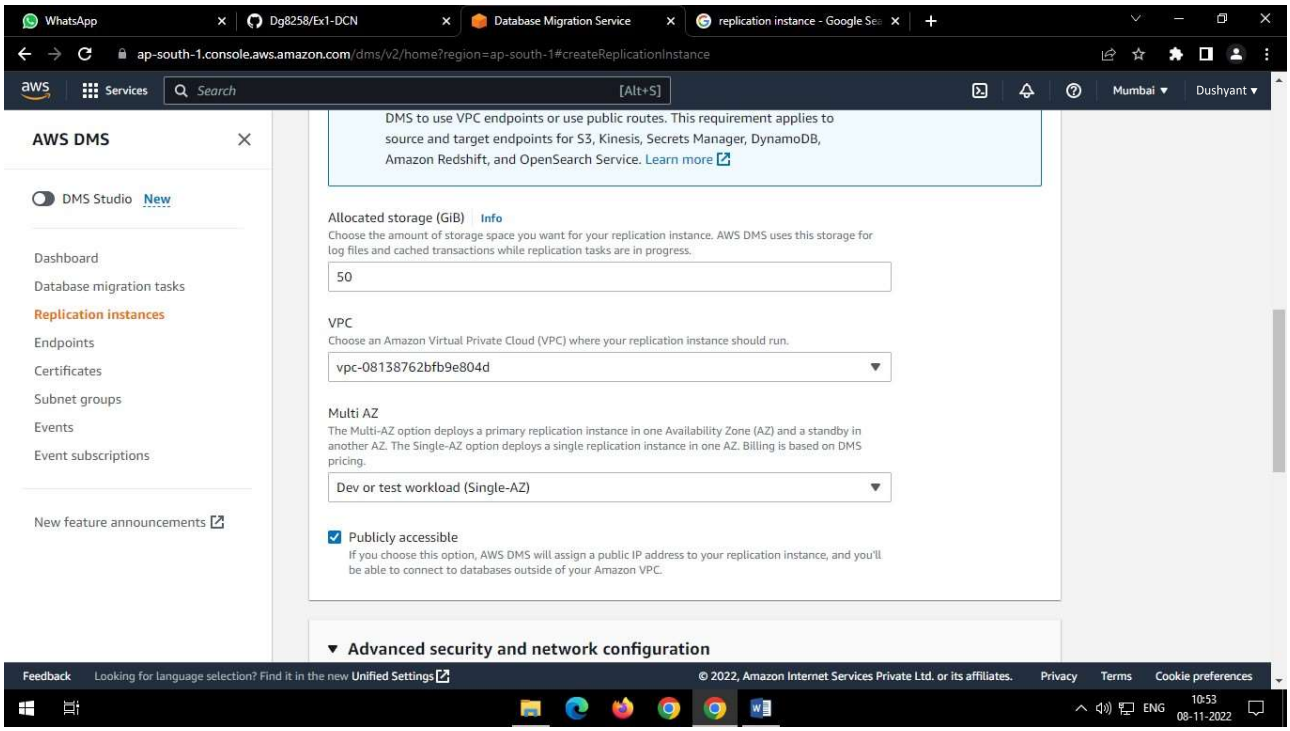
WhatsApp
Dg8258/Ex1-DCN
Database Migration Service
replication instance - Google Se
ap-south-1.console.aws.amazon.com/dms/v2/home?region=ap-south-1#createReplicationInstance
Services
Search
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Mumbai
Dushyant
AWS DMS
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New feature announcements
DMS to use VPC endpoints or use public routes. This requirement applies to source and target endpoints for S3, Kinesis, Secrets Manager, DynamoDB, Amazon Redshift, and OpenSearch Service. Learn more
Allocated storage (GiB) Info
Choose the amount of storage space you want for your replication instance. AWS DMS uses this storage for log files and cached transactions while replication tasks are in progress.
50
VPC
Choose an Amazon Virtual Private Cloud (VPC) where your replication instance should run.
vpc-08138762bfb9e804d
Multi AZ
The Multi-AZ option deploys a primary replication instance in one Availability Zone (AZ) and a standby in another AZ. The Single-AZ option deploys a single replication instance in one AZ. Billing is based on DMS pricing.
Dev or test workload (Single-AZ)
Publicly accessible
If you choose this option, AWS DMS will assign a public IP address to your replication instance, and you'll be able to connect to databases outside of your Amazon VPC.
Advanced security and network configuration
Feedback
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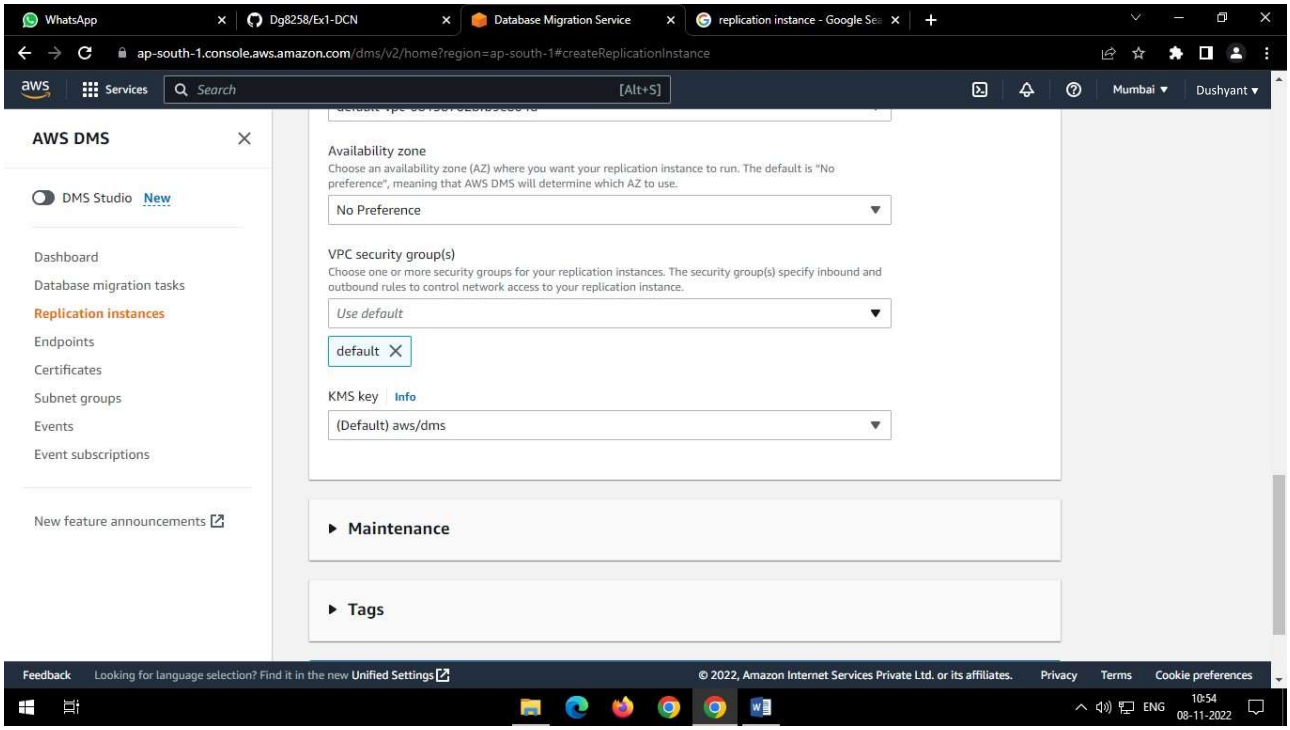
WhatsApp
Dg8258/Ex1-DCN
Database Migration Service
replication instance - Google Se
ap-south-1.console.aws.amazon.com/dms/v2/home?region=ap-south-1#createReplicationInstance
aws
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Dushyant
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Availability zone
Choose an availability zone (AZ) where you want your replication instance to run. The default is "No preference", meaning that AWS DMS will determine which AZ to use.
No Preference
VPC security group(s)
Choose one or more security groups for your replication instances. The security group(s) specify inbound and outbound rules to control network access to your replication instance.
Use default
default
KMS key Info
(Default) aws/dms
Maintenance
Tags
Feedback
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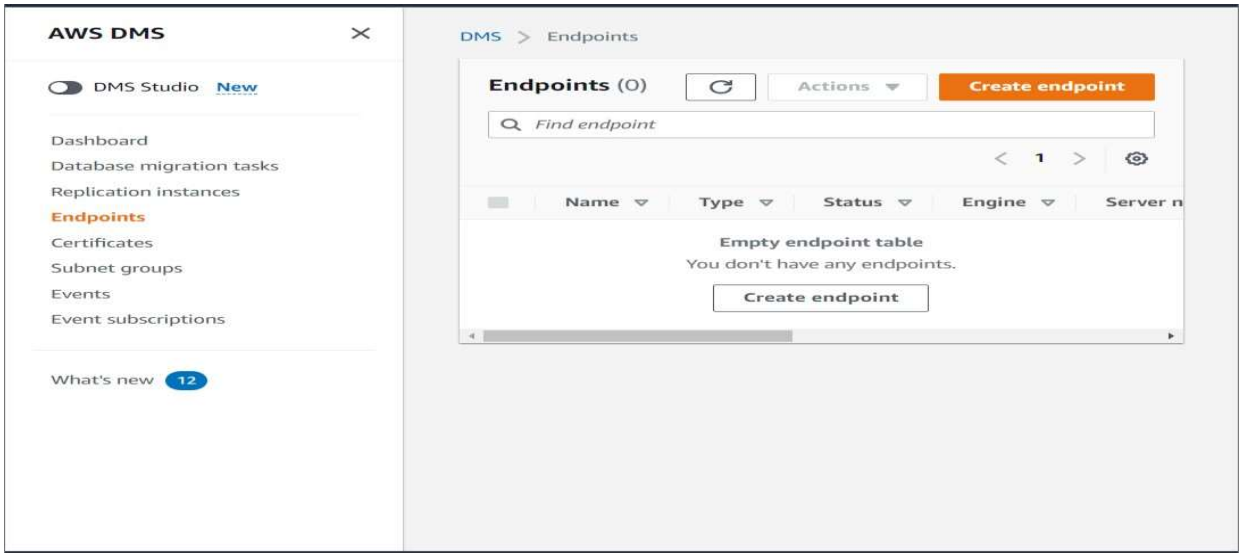
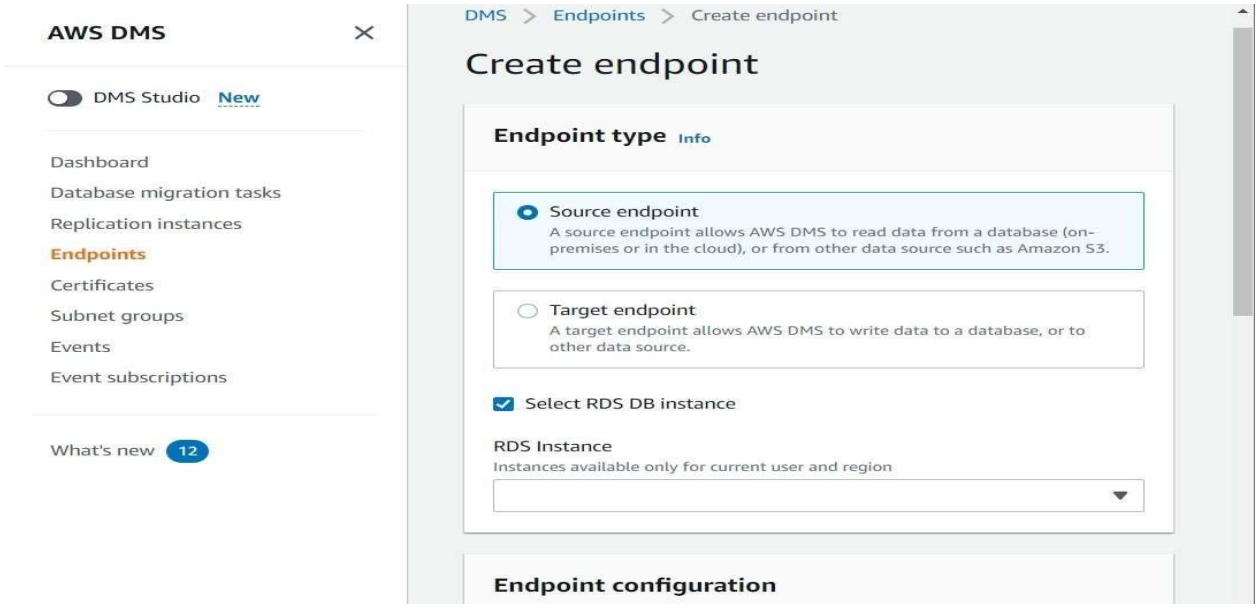
Give the required details and click CREATE

7.



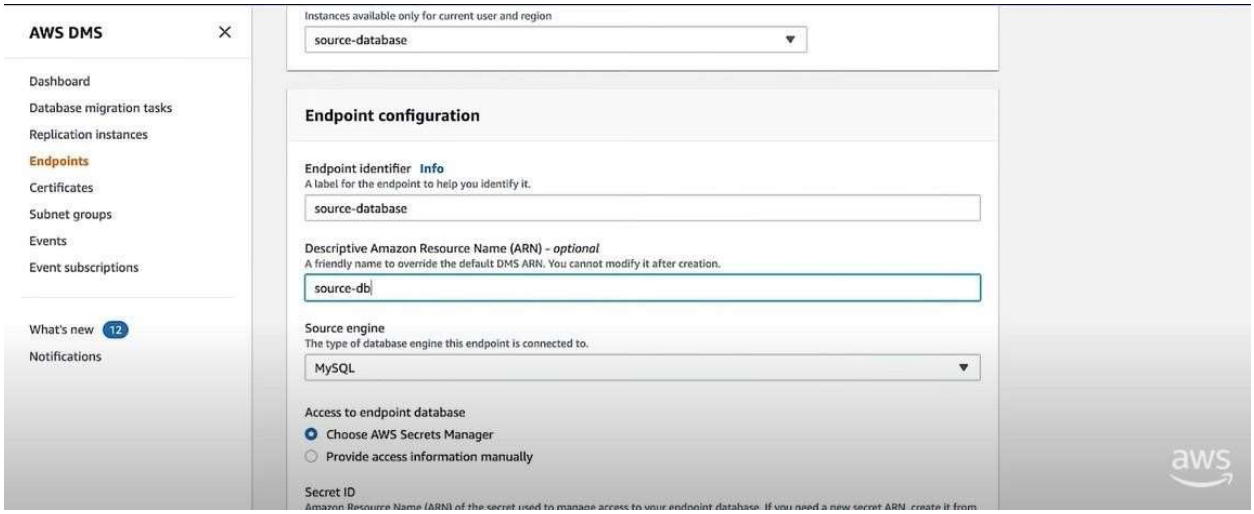
From the console choose ENDPOINTS and create endpoint

8.



Select the ENDPOINT TYPE

9.


AWS DMS
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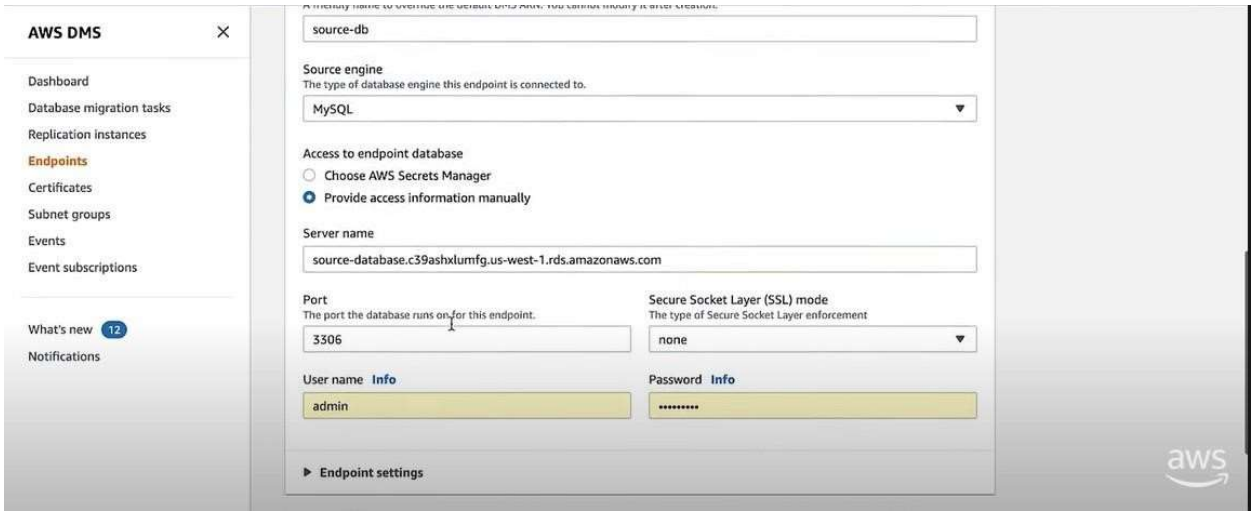
What's new 12
Notifications
Instances available only for current user and region
source-database
Endpoint configuration
Endpoint identifier Info
A label for the endpoint to help you identify it.
source-database
Descriptive Amazon Resource Name (ARN) - optional
A friendly name to override the default DMS ARN. You cannot modify it after creation.
source-db
Source engine
The type of database engine this endpoint is connected to.
MySQL
Access to endpoint database
Choose AWS Secrets Manager
Provide access information manually
Secret ID
aws


AWS DMS
Dashboard
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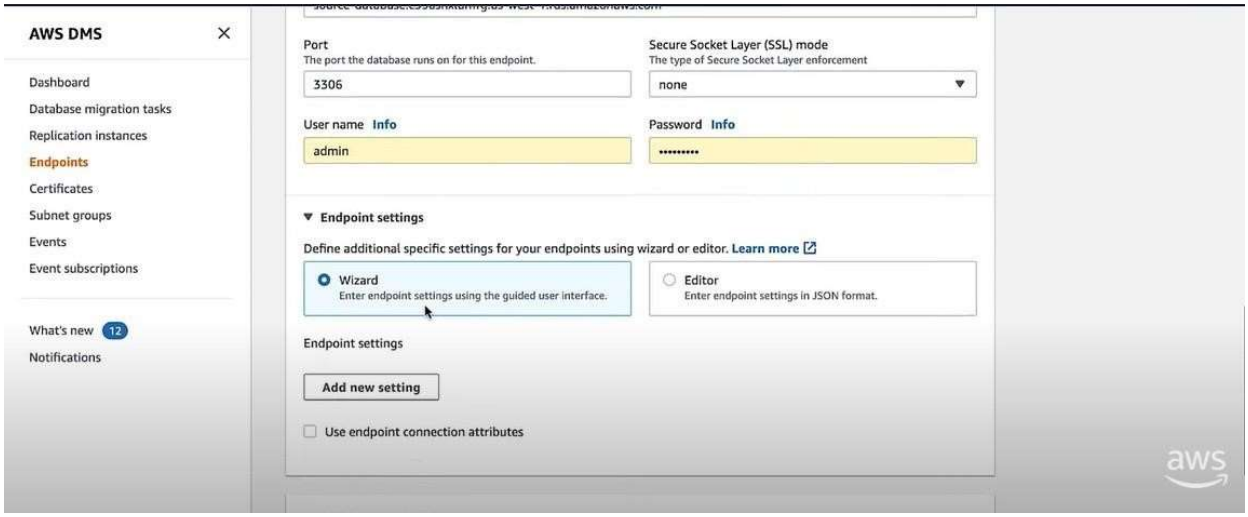
Events
Event subscriptions
What's new 12
Notifications
source-db
Source engine
The type of database engine this endpoint is connected to.
MySQL
Access to endpoint database
Choose AWS Secrets Manager
Provide access information manually
Server name
source-database.c39ashxlumfg.us-west-1.rds.amazonaws.com
Port
The port the database runs on for this endpoint.
3306
Secure Socket Layer (SSL) mode
The type of Secure Socket Layer enforcement
none
User name Info
admin
Password Info
Endpoint settings
aws


AWS DMS
Dashboard
Database migration tasks
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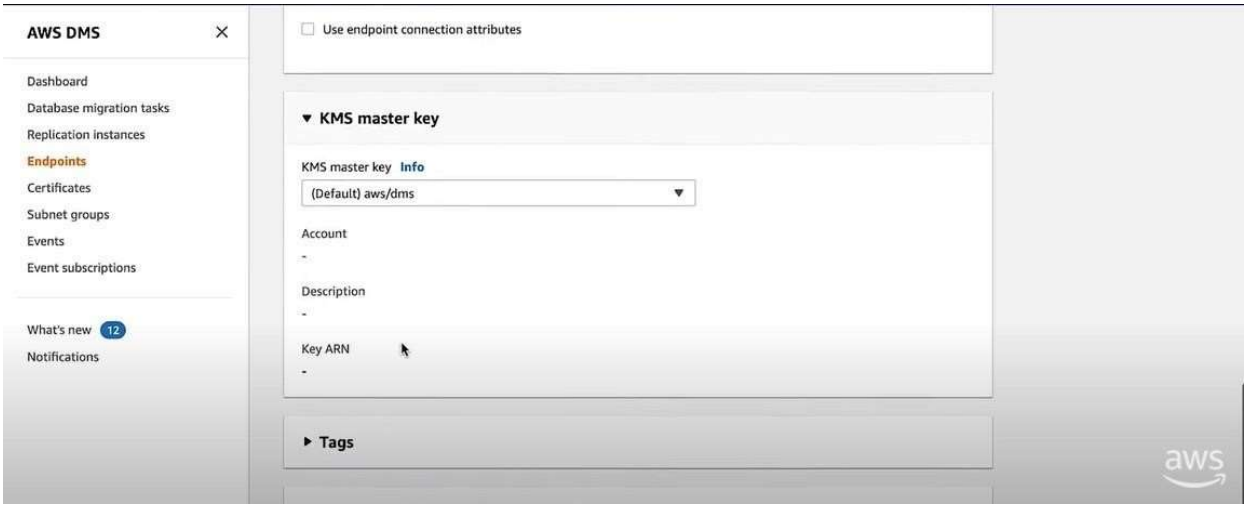
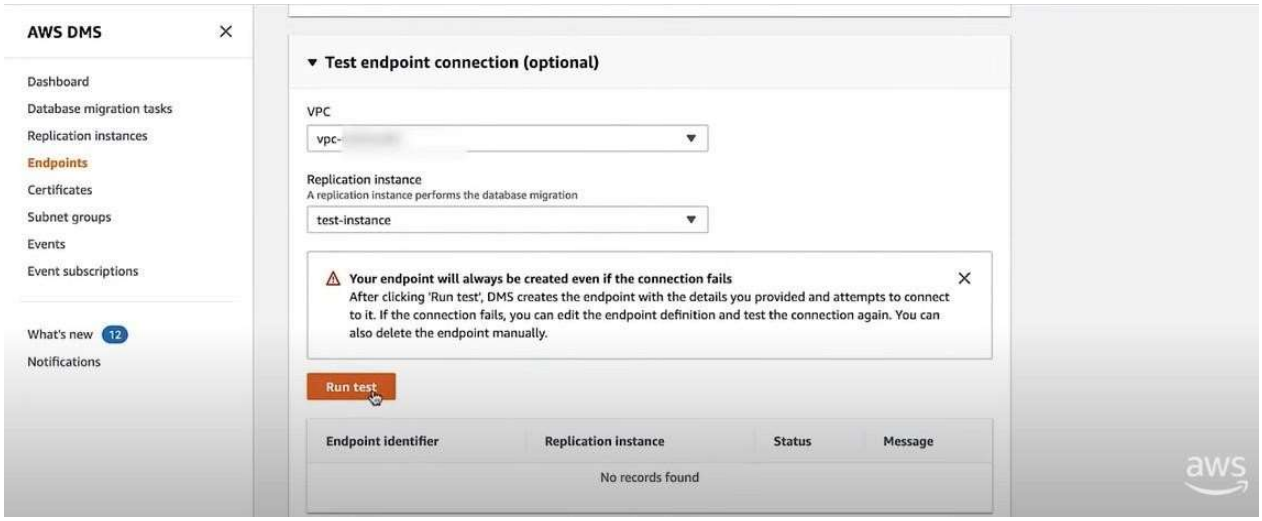
Subnet groups
Events
Event subscriptions
What's new 12
Notifications
Port
The port the database runs on for this endpoint.
3306
Secure Socket Layer (SSL) mode
The type of Secure Socket Layer enforcement
none
User name Info
admin
Password Info
Endpoint settings
Define additional specific settings for your endpoints using wizard or editor. Learn more
Wizard
Enter endpoint settings using the guided user interface.
Editor
Enter endpoint settings in JSON format.
Endpoint settings
Add new setting
Use endpoint connection attributes
aws

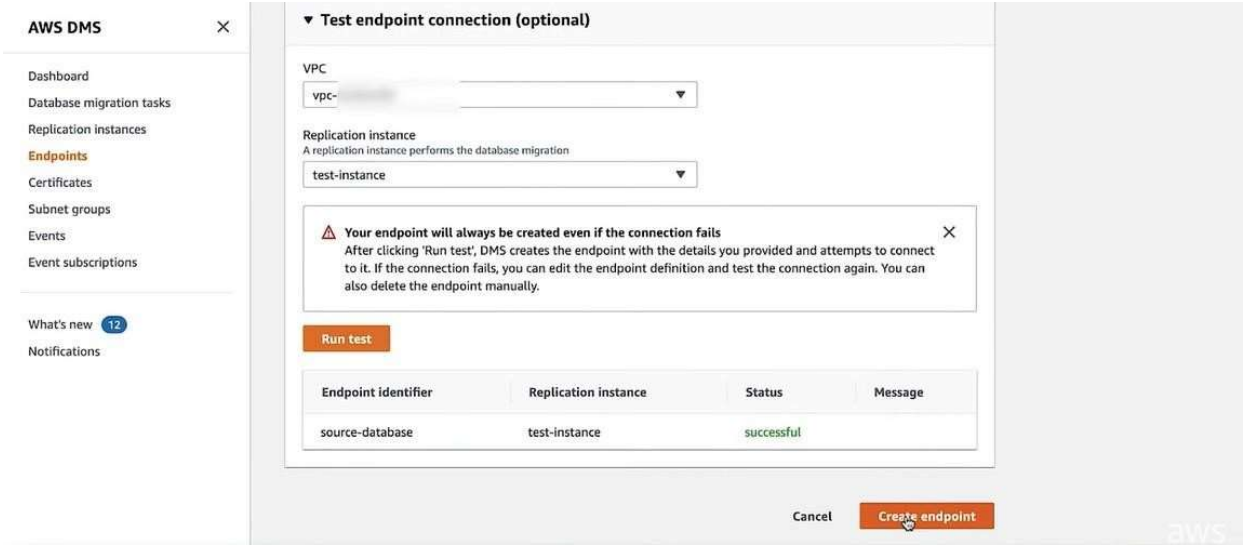


Give the required information

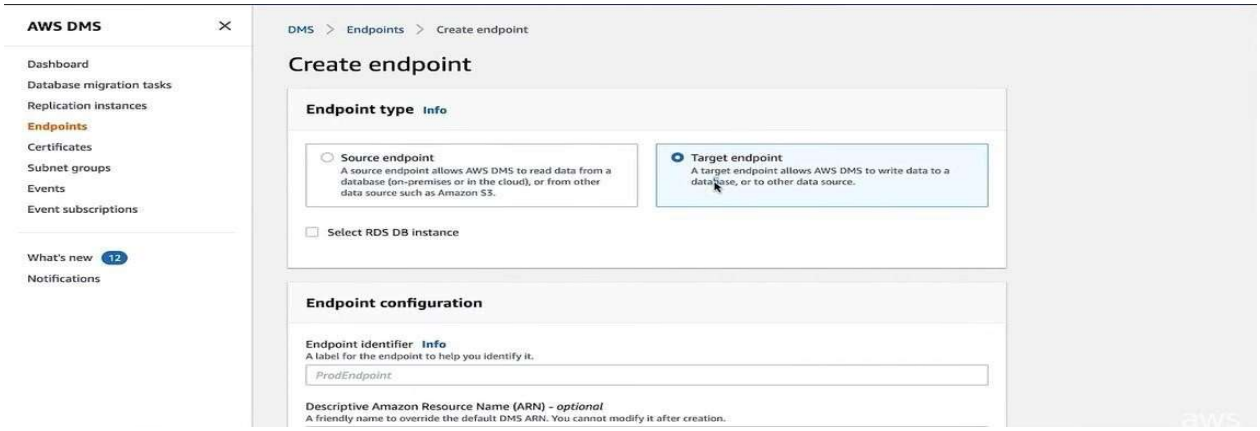
10.



Choose RUN TEST button and when the status is successful click on CREATE ENDPOINT

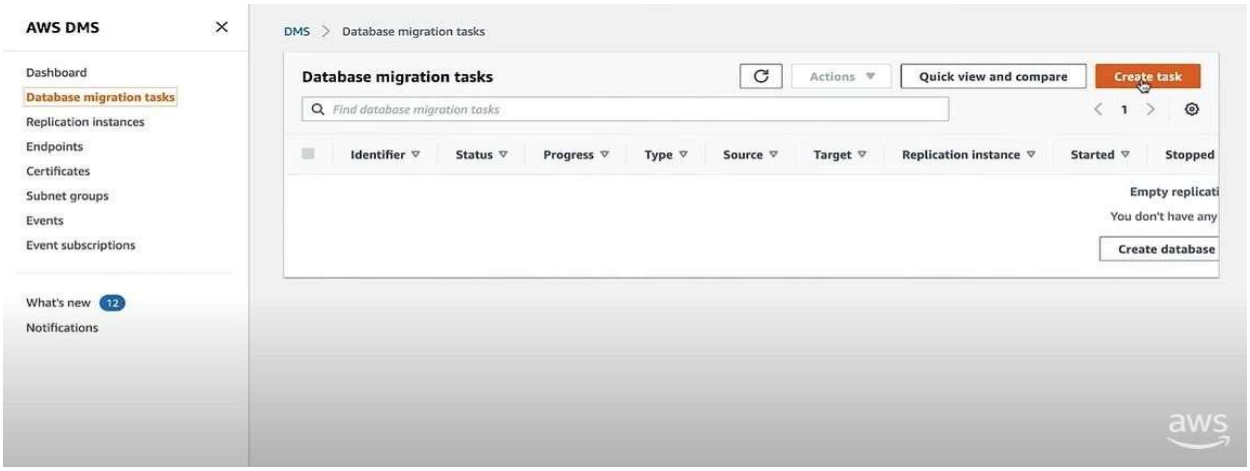


11.



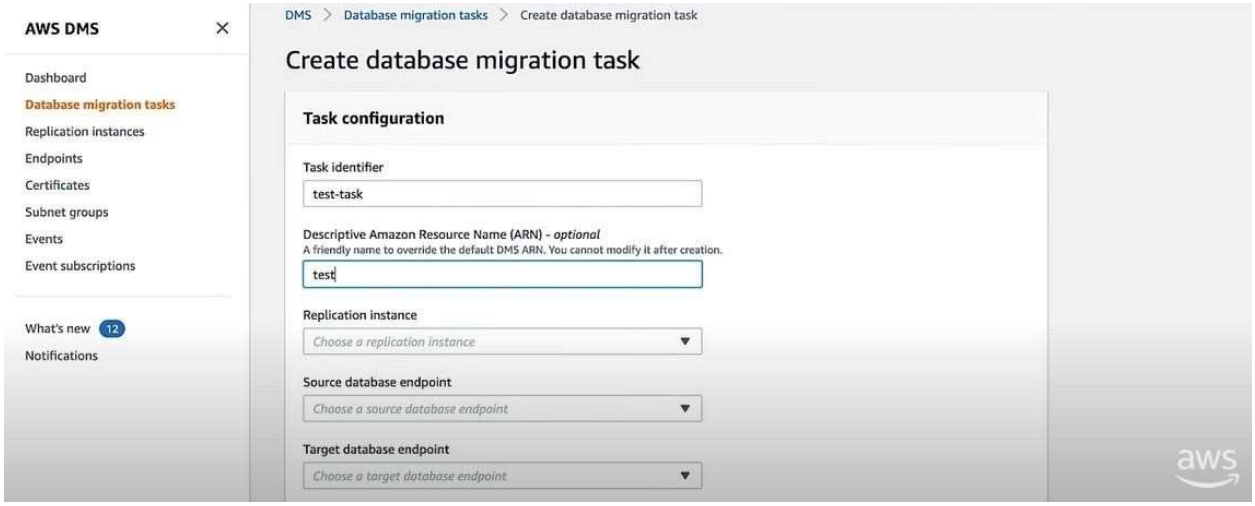
Repeat the above steps to create an instance but this ENDPOINT TYPE is Target endpoint

12.



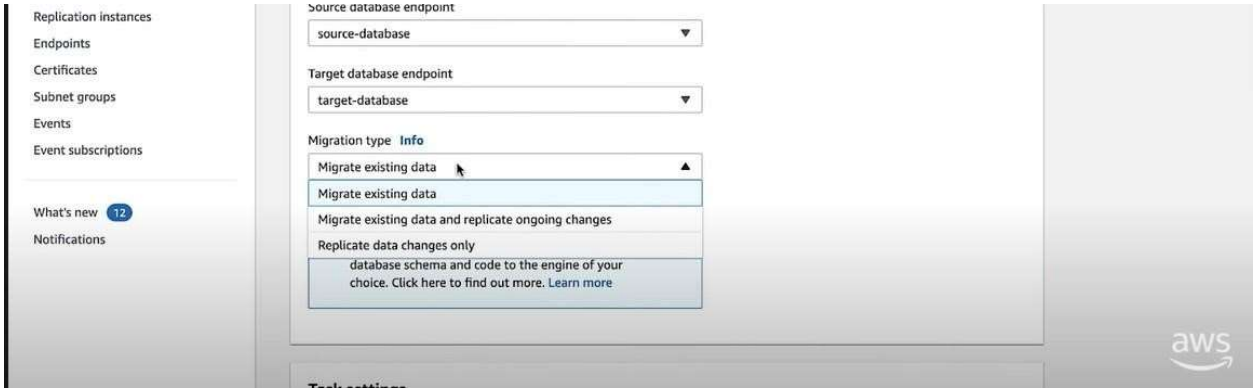
Choose the DATABASE MIGRATION TASKS on the console and choose CREATE TASK

13.



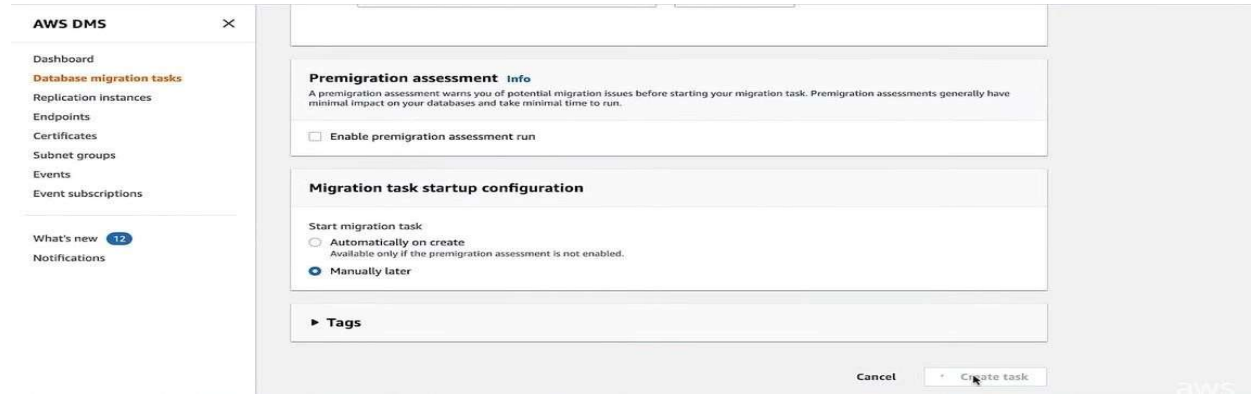
Create the task by giving required details

14.



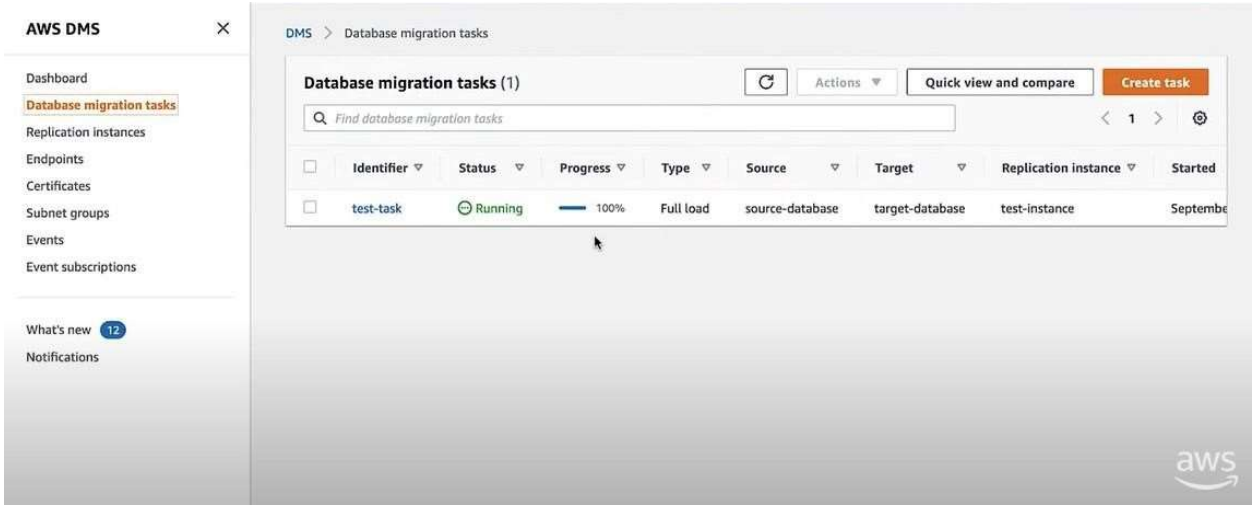
Click on Migrate existing data for one time migration and in task setting update the fields as required.

15.



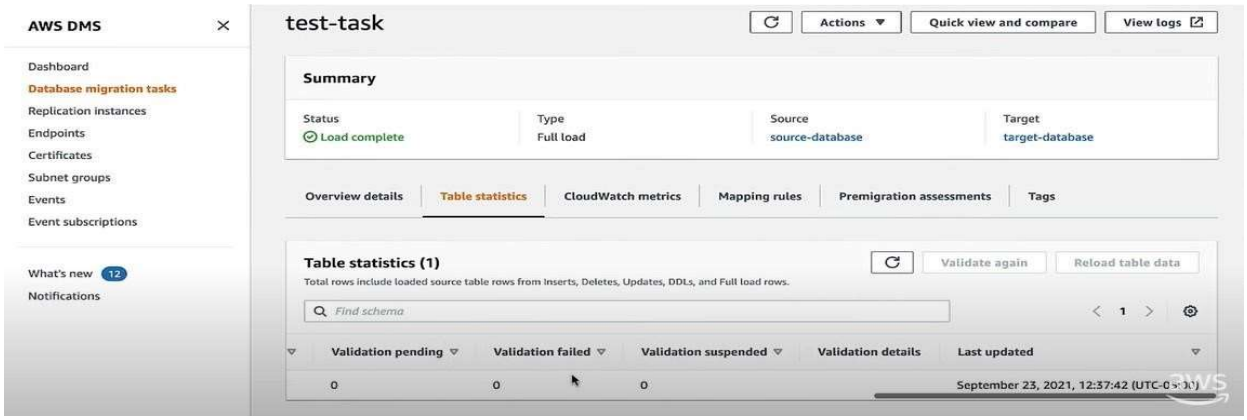
After giving the required details choose create task.

16.



Run the task.

17.



Click on the task and click TABLE STATISTICS to view the successfully completed tasks.