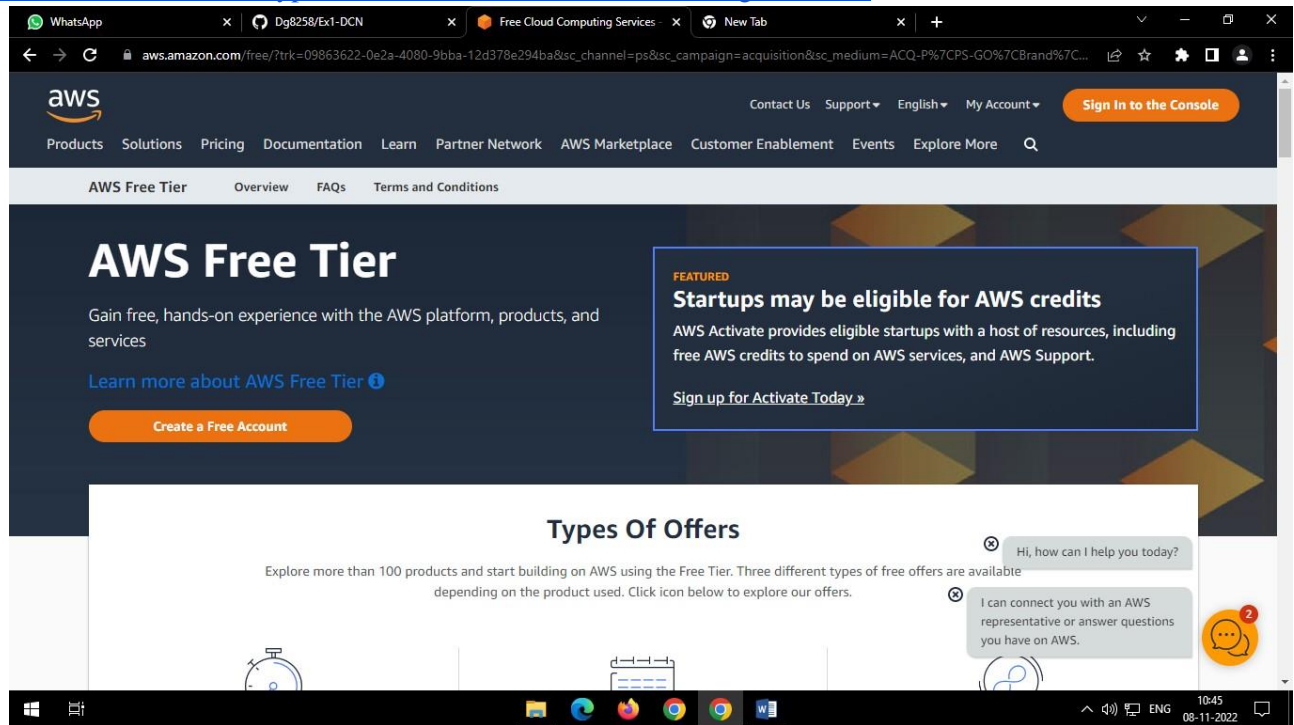# Migrate to Amazon RDS

Avipsha Panigrahi
RA2011028010101
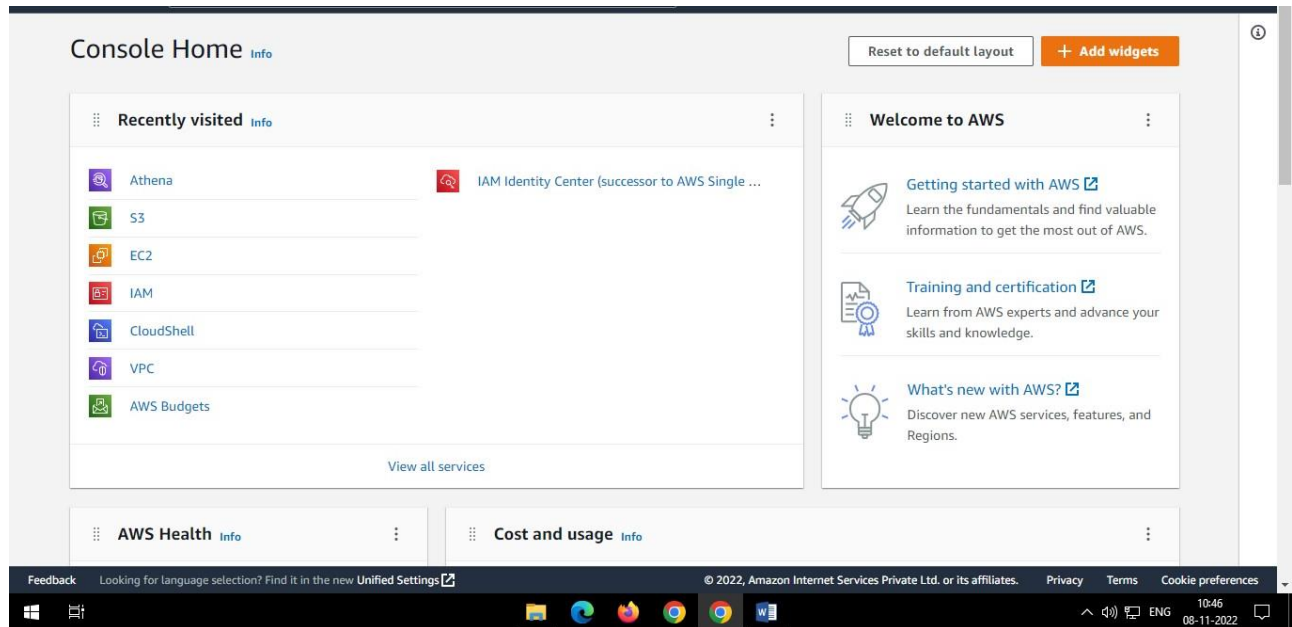
PROCEDURE:

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
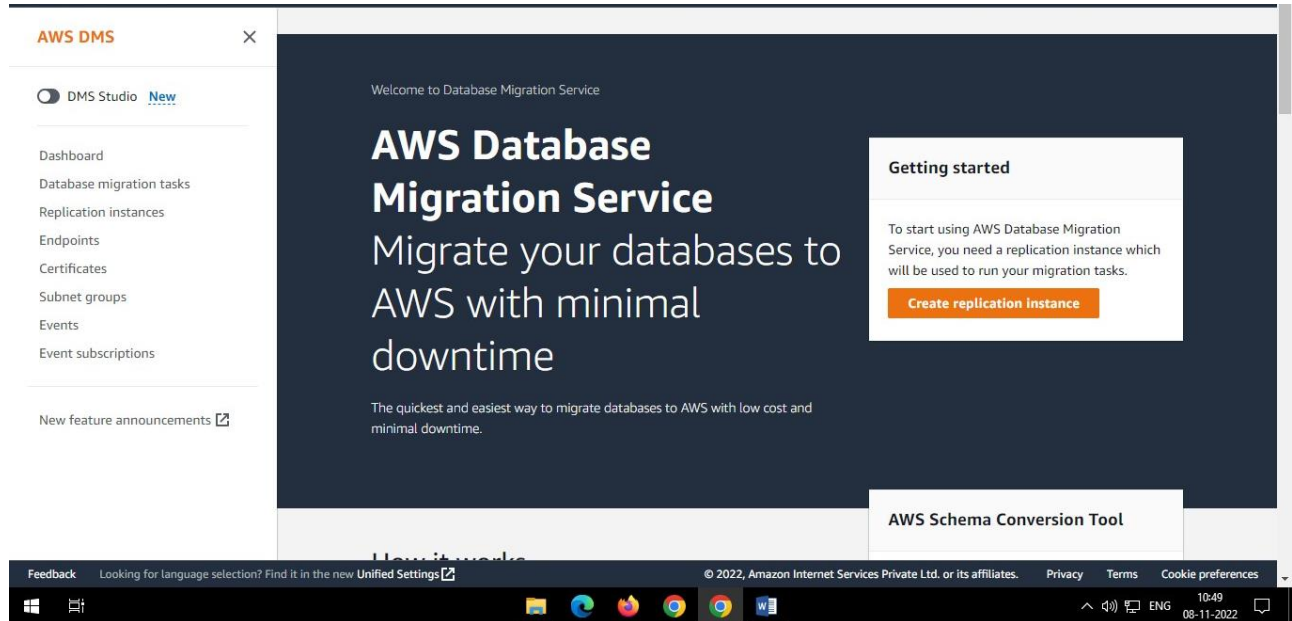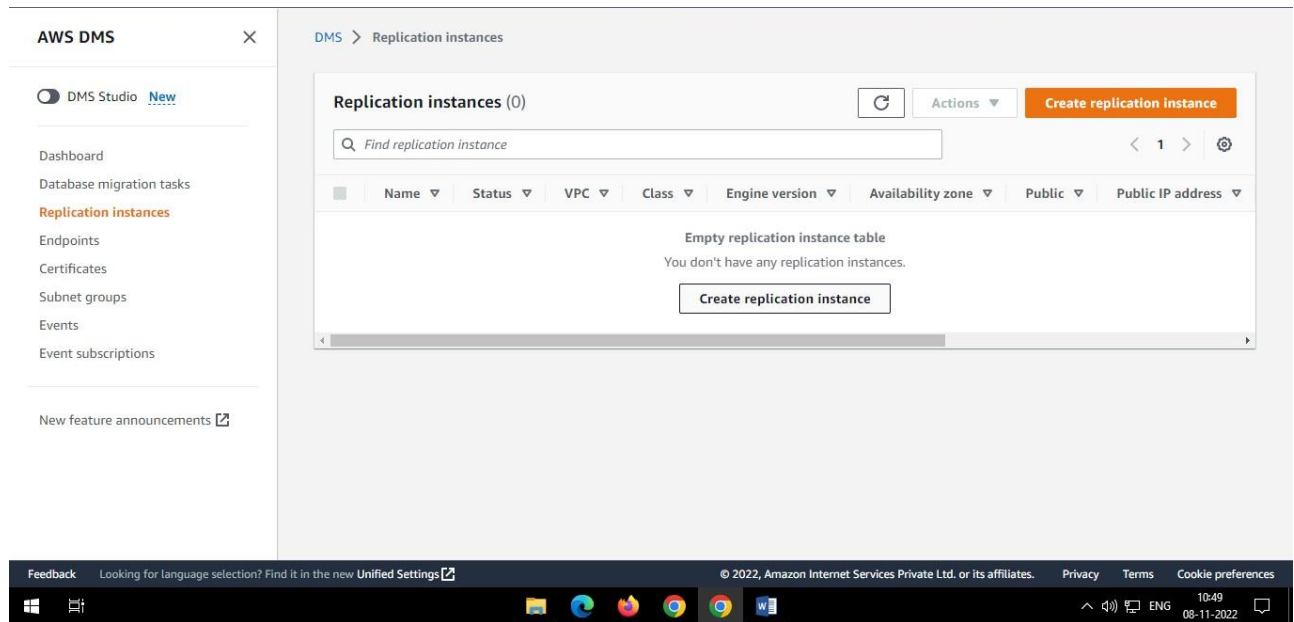
Login to your AWS account
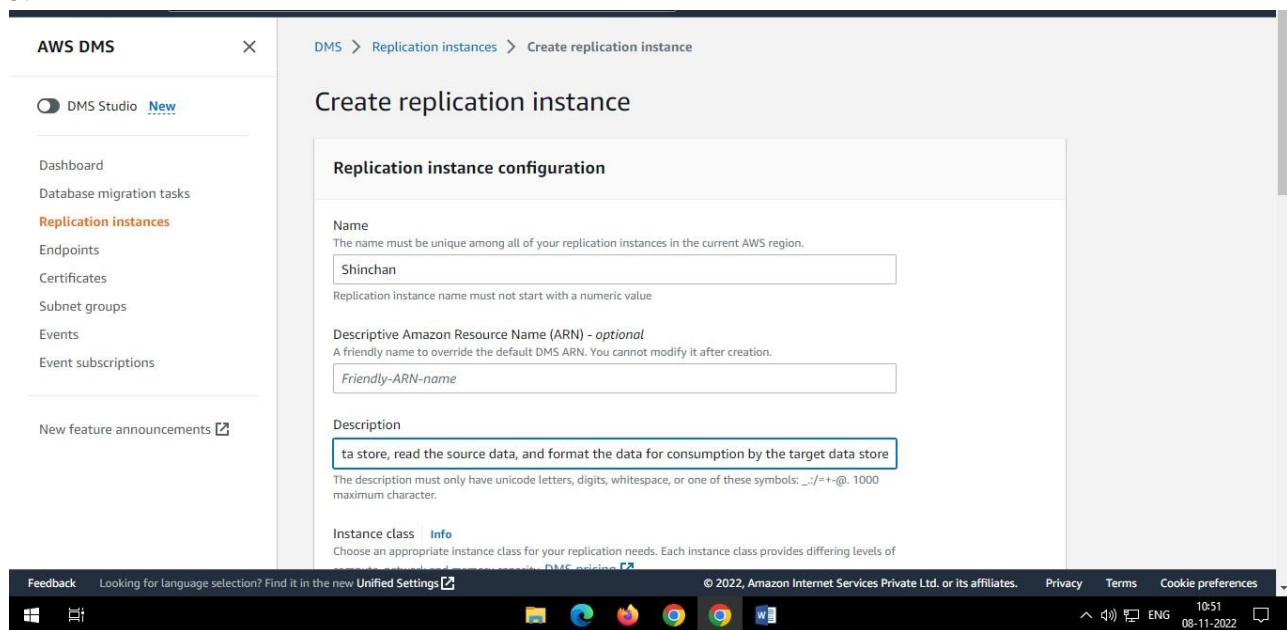
2.

3.Search for DATABASE MANAGEMENT SERVICE

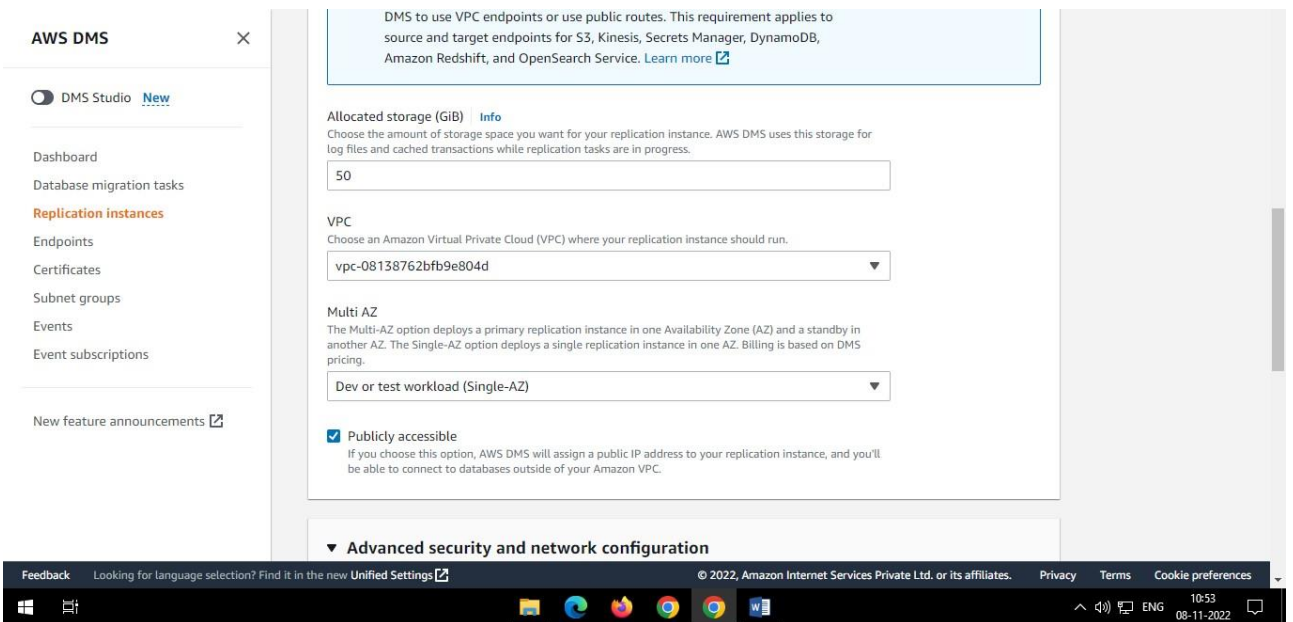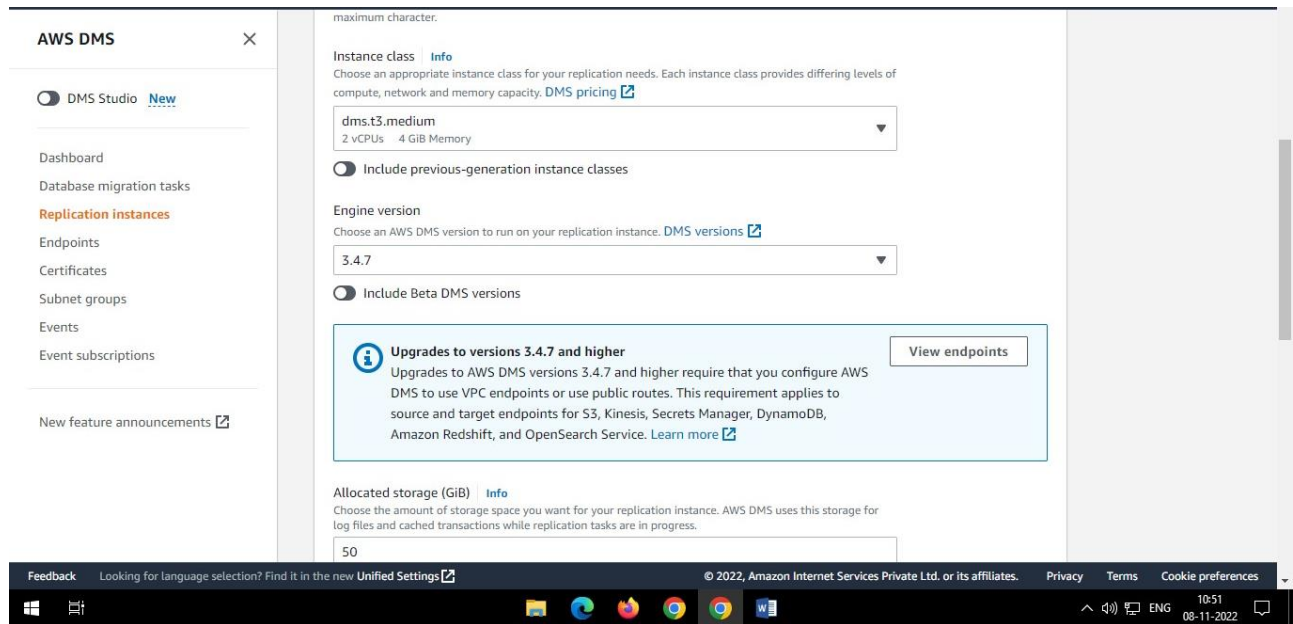Open REPLICATION INSTANCES

4.

Click on CREATE REPLICATION INSTANCE

5.

Enter your replication instance NAME, DESCRIPTION

6.

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**   [View endpoints]
    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 ↗

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

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**

◯ DMS Studio New

Dashboard

Database migration tasks

Replication instances

Endpoints

Certificates

Subnet groups

Events

Event subscriptions

New feature announcements ↗

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**

Give the required details and click CREATE

7.
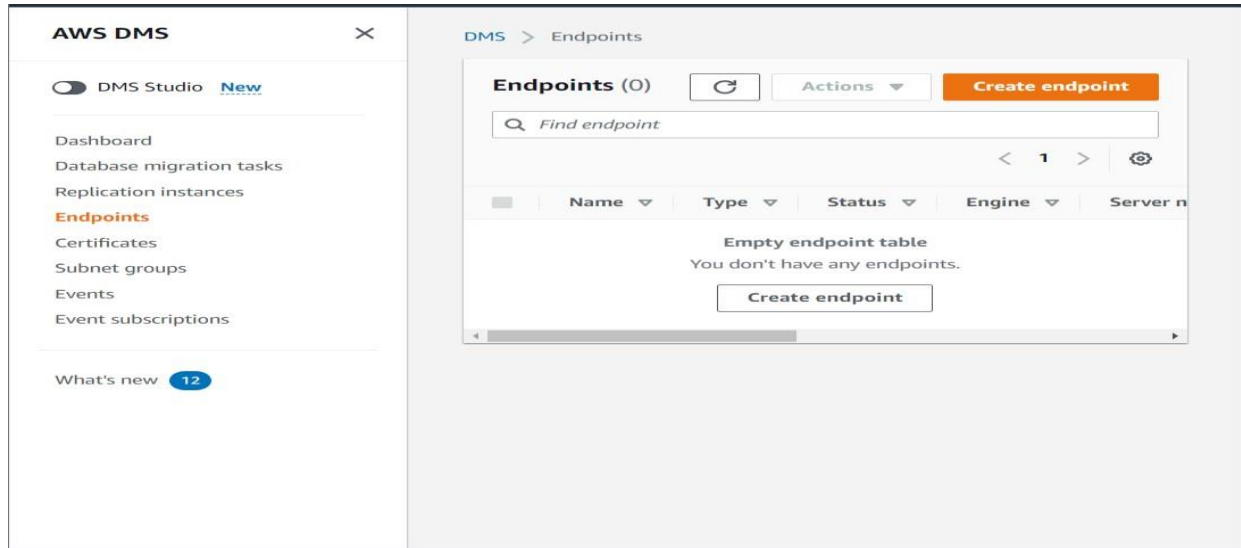
From the console choose ENDPOINTS and create endpoint

8.
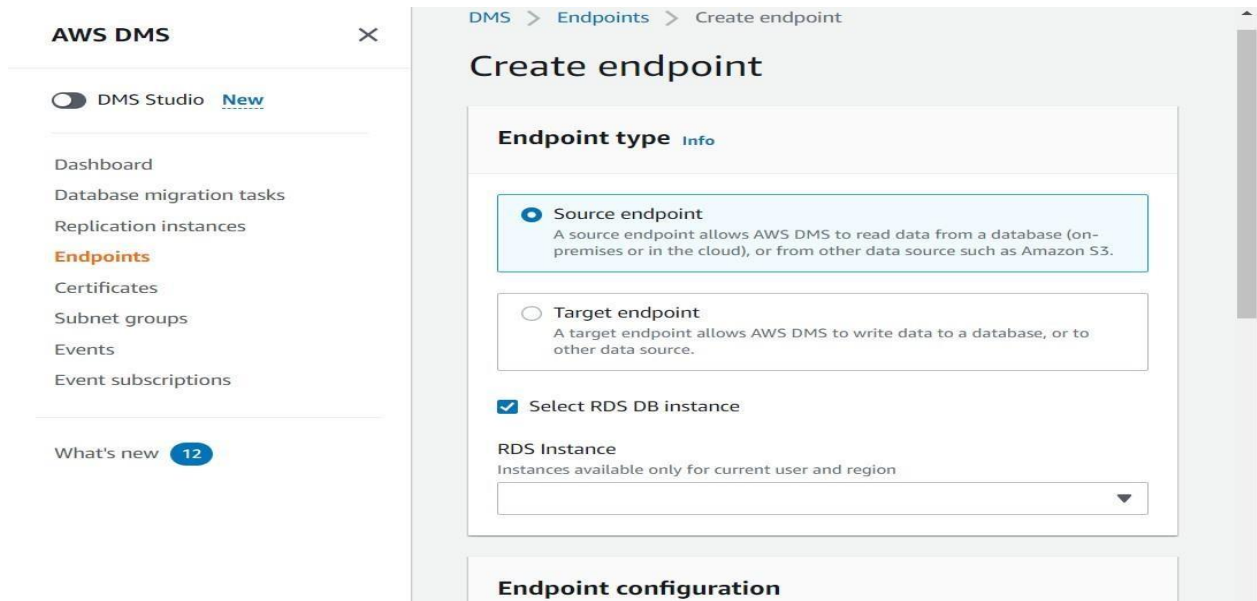
Select the ENDPOINT TYPE

9.

Screen 1

AWS DMS ✕

- Dashboard
- Database migration tasks
- Replication instances
- **Endpoints**
- Certificates
- Subnet groups
- Events
- Event subscriptions

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
Amazon Resource Name (ARN) of the secret used to manage access to your endpoint database. If you need a new secret ARN, create it from

Screen 2

AWS DMS ✕

- Dashboard
- Database migration tasks
- Replication instances
- **Endpoints**
- Certificates
- Subnet groups
- Events
- Event subscriptions

What's new 12
Notifications

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

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

Screen 3

AWS DMS ✕

- Dashboard
- Database migration tasks
- Replication instances
- **Endpoints**
- Certificates
- Subnet groups
- Events
- Event subscriptions

What's new 12
Notifications

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

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

Give the required information

10.

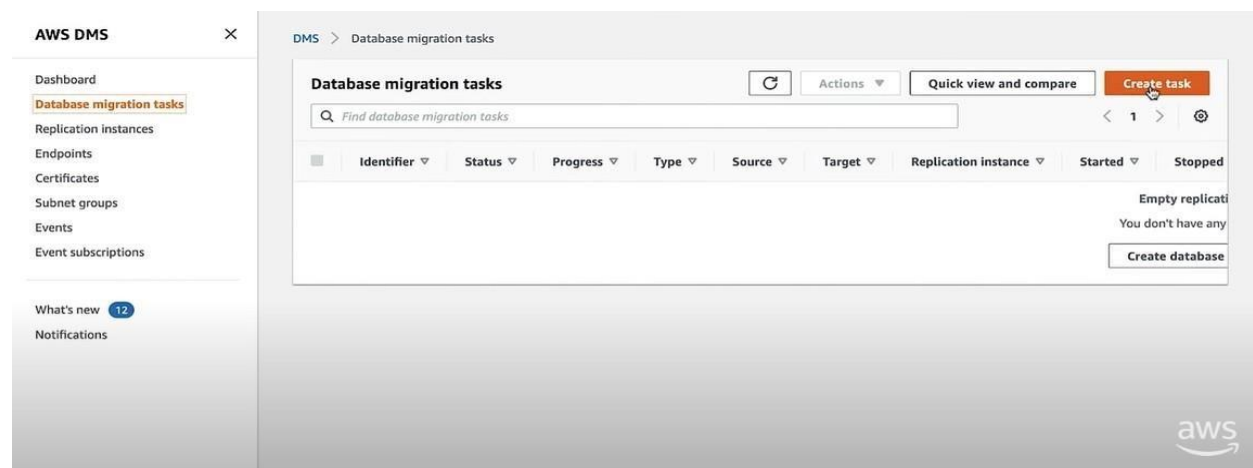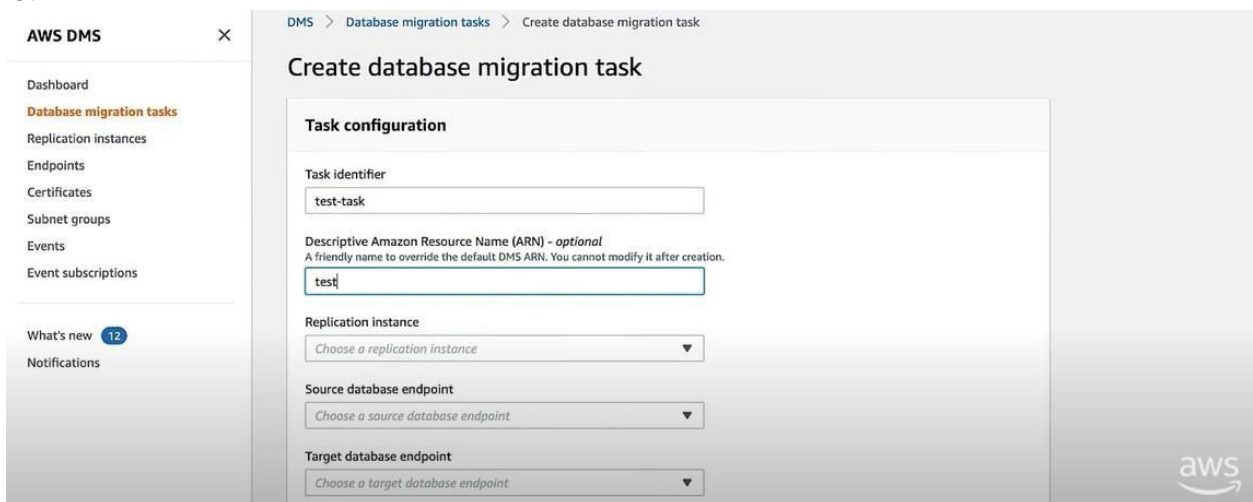Choose RUN TEST button and when the status is successful click on CREATE ENDPOINT

11.

Repeat the above steps to create an instance but this ENDPOINT TYPE is Target endpoint
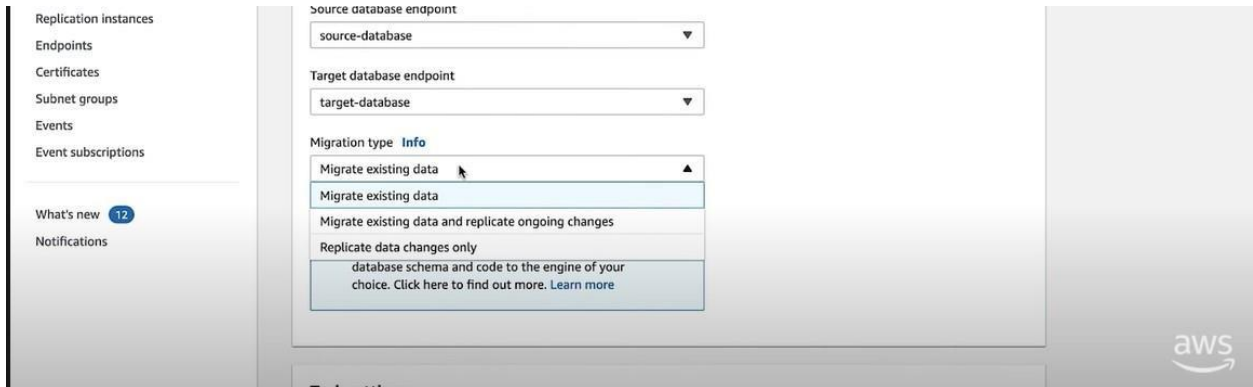
12.

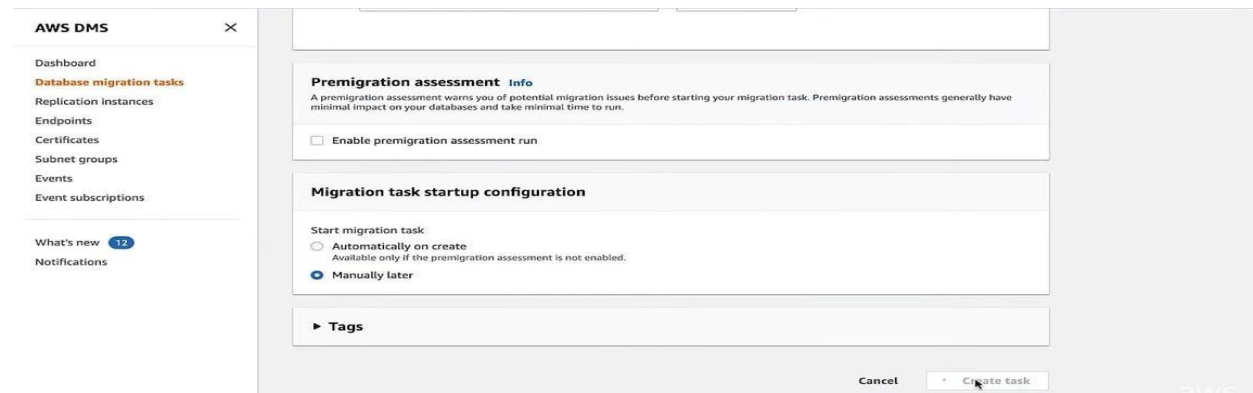Choose the DATABASE MIGRATION TASKS on the console and choose CREATE TASK

13.

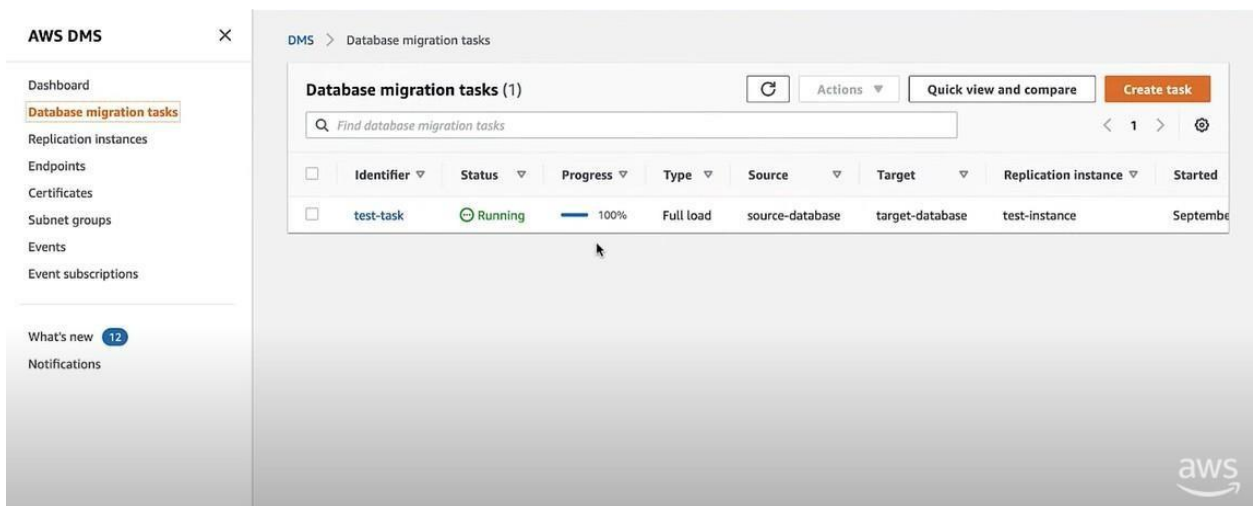Create the task by giving required details

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.