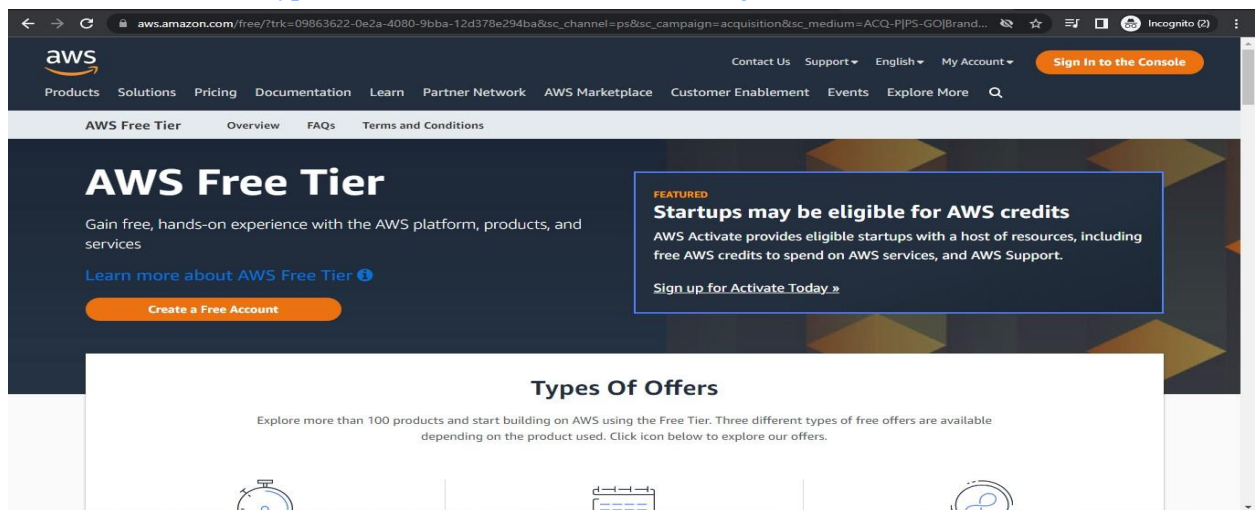


Migrate to Amazon RDS

PROCEDURE:

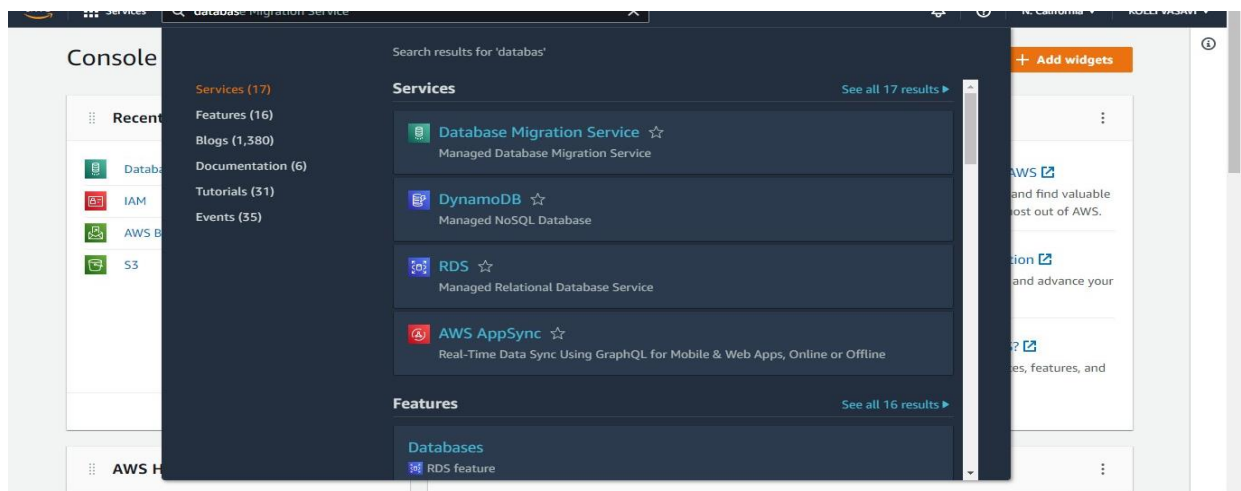
https://aws.amazon.com/free/?trk=09863622-0e2a-4080-9bba-12d378e294ba&sc_channel=ps&sc_campaign=acquisition&sc_medium=ACQ-P|PS-GO|Brand|Desktop|SU|AWS|Core|IN|EN|Text&sc_kwid=AL!4422!3!453325185010!e!!g!!aws%20free&ef_id=Cj0KCQjw_7KXBhCoARIsAPdPTfij_nDXTj072T5S-3j6qaBSDqVs-6FJ11WtuV8Eo3mdZUwcv5_8aArdoEALw_wcB:G:s&sc_kwid=AL!4422!3!453325185010!e!!g!!aws%20free&all-free-tier.sort-by=item.additionalFields.SortRank&all-free-tier.sort-order=asc&awsf.Free%20Tier%20Types=*all&awsf.Free%20Tier%20Categories=*all



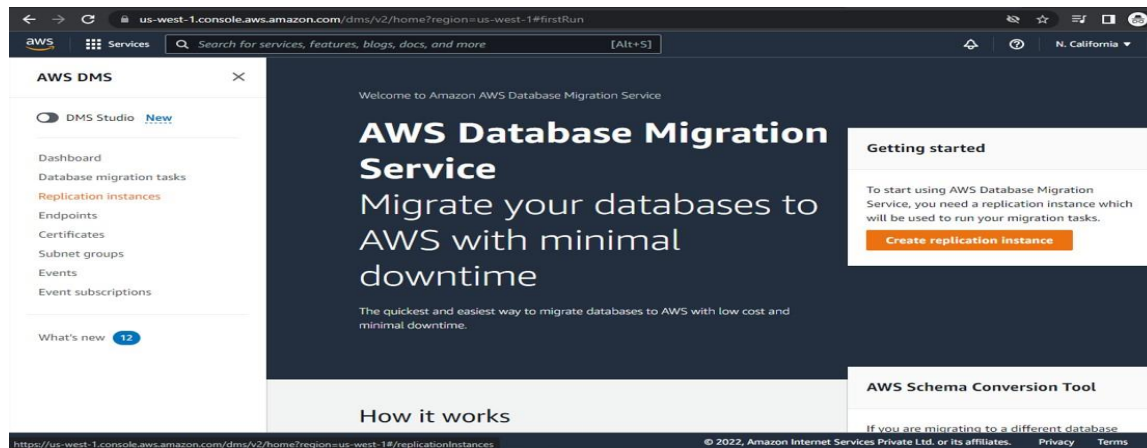
Login to your AWS account

2.

Search for DATABASE MANAGEMENT SERVICE

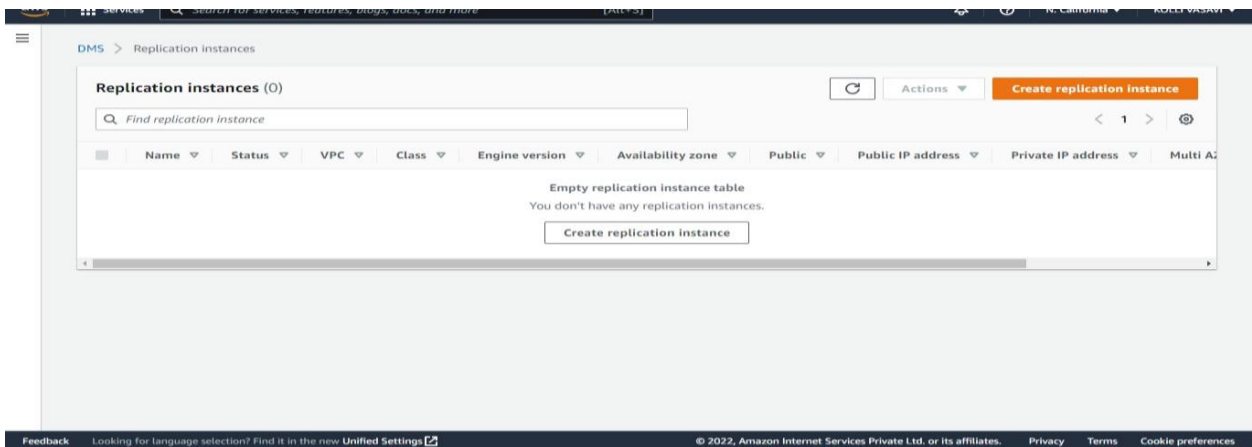


3.



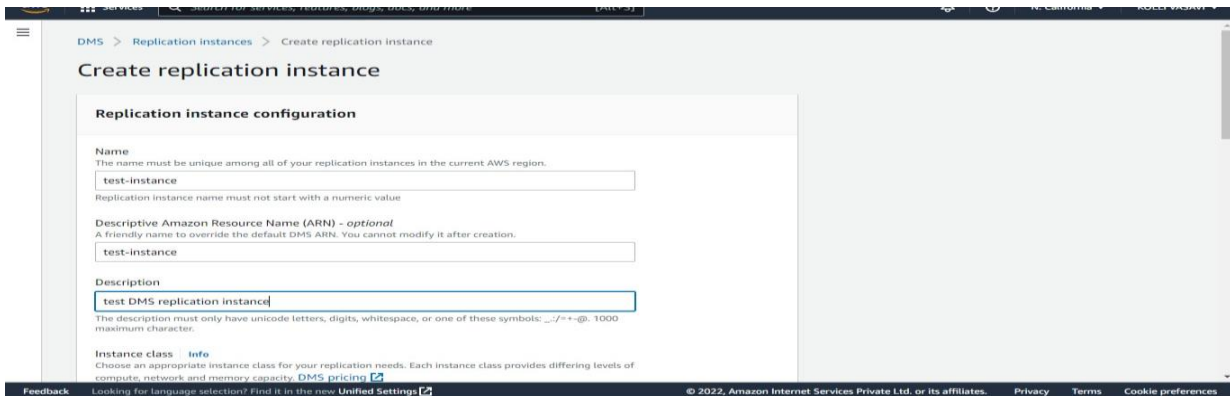
Open REPLICATION INSTANCES

4.



Click on CREATE REPLICATION INSTANCE

5.



Enter your replication instance NAME, DESCRIPTION

6.

The screenshot shows the 'Create Replication Instance' page in the AWS Management Console. The 'Advanced security and network configuration' section is expanded, showing the following options:

- Choose an Amazon Virtual Private Cloud (VPC) where your replication instance should run.** A dropdown menu is set to 'vpc-04c21674d0ef161c9'.
- 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.
A dropdown menu is set to '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.
- Replication subnet group**
Choose a subnet group for your replication instance. The subnet group defines the IP ranges and subnets that your replication instance can use within the Amazon VPC you've chosen.
A dropdown menu is set to 'default-vpc-04c21674d0ef161c9'.
- 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.
A dropdown menu is set to 'No Preference'.

The footer of the console shows the URL 'https://us-west-1.console.aws.amazon.com/console/home?region=us-west-1#settings' and the copyright notice '© 2022, Amazon Internet Services Private Ltd. or its affiliates.'.

The screenshot shows the 'Create Replication Instance' page in the AWS Management Console, continuing from the previous section. The 'VPC security groups' section is expanded, showing the following options:

- 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.** A dropdown menu is set to 'Use default'.
- A button labeled 'default' with an 'X' icon is visible.
- KMS key** [Info](#)
A dropdown menu is set to '(Default) aws/dms'.

Below the security groups section, there are two expandable sections:

- Maintenance**
- Tags**

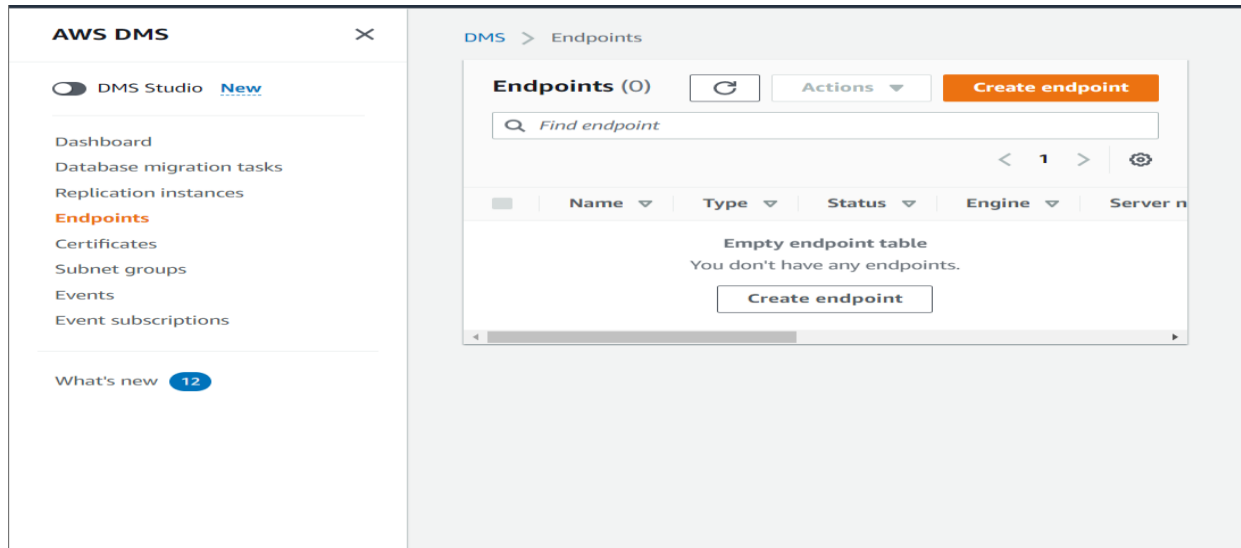
A blue information box at the bottom states: 'DMS requires access permissions to manage your VPC resources. By clicking Create replication instance, you grant permission for DMS to create a role that has this access.'

At the bottom right, there are 'Cancel' and 'Create' buttons.

The footer of the console shows the URL 'us-west-1.console.aws.amazon.com/dms/v2/home?region=us-west-1#createReplicationInstance' and the copyright notice '© 2022, Amazon Internet Services Private Ltd. or its affiliates.'.

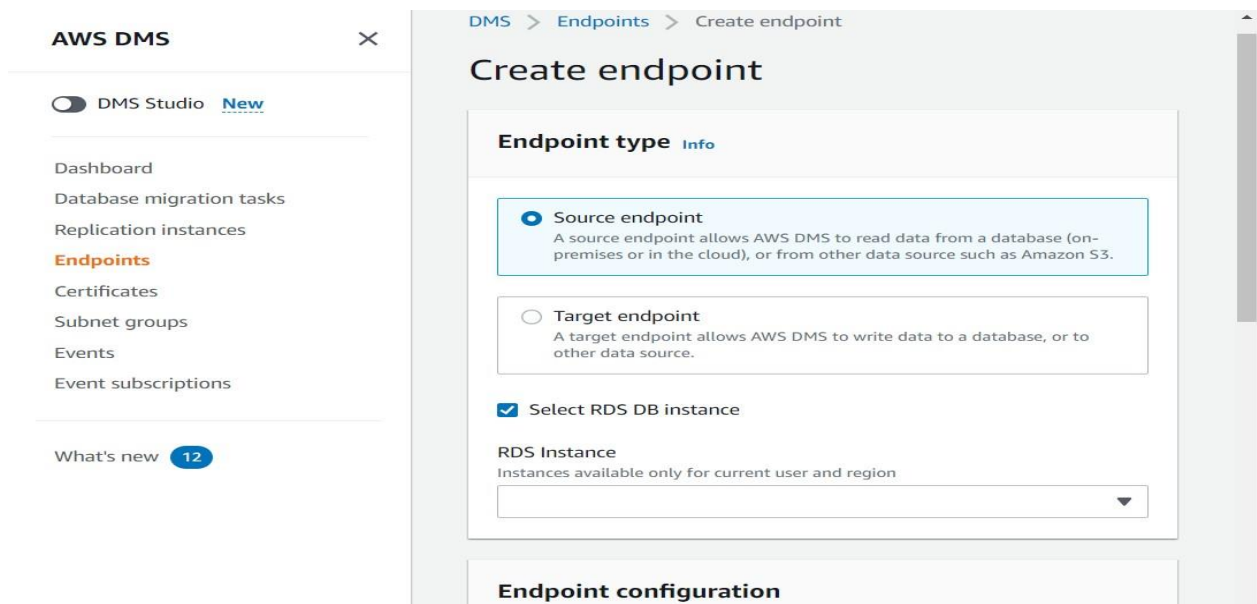
Give the required details and click CREATE

7.



From the console choose ENDPOINTS and create endpoint

8.



Select the ENDPOINT TYPE

9.

AWS DMS

×

Dashboard

Database migration tasks

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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

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

AWS DMS

×

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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 DMS

×

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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

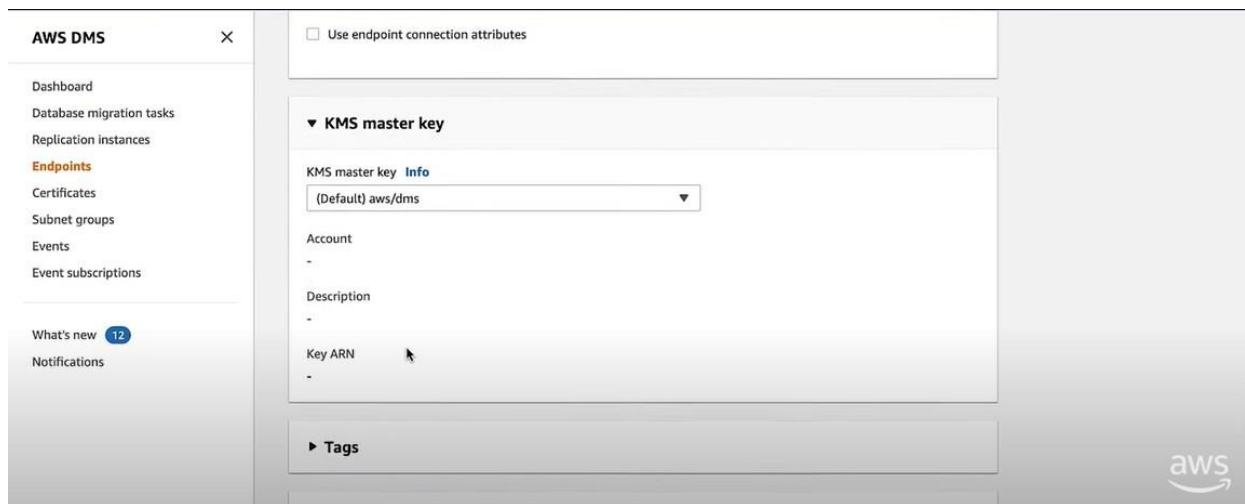
Define additional specific settings for your endpoints using wizard or editor. [Learn more](#)

☒ Wizard
 Enter endpoint settings using the guided user interface.
 ☐ Editor
 Enter endpoint settings in JSON format.

Endpoint settings

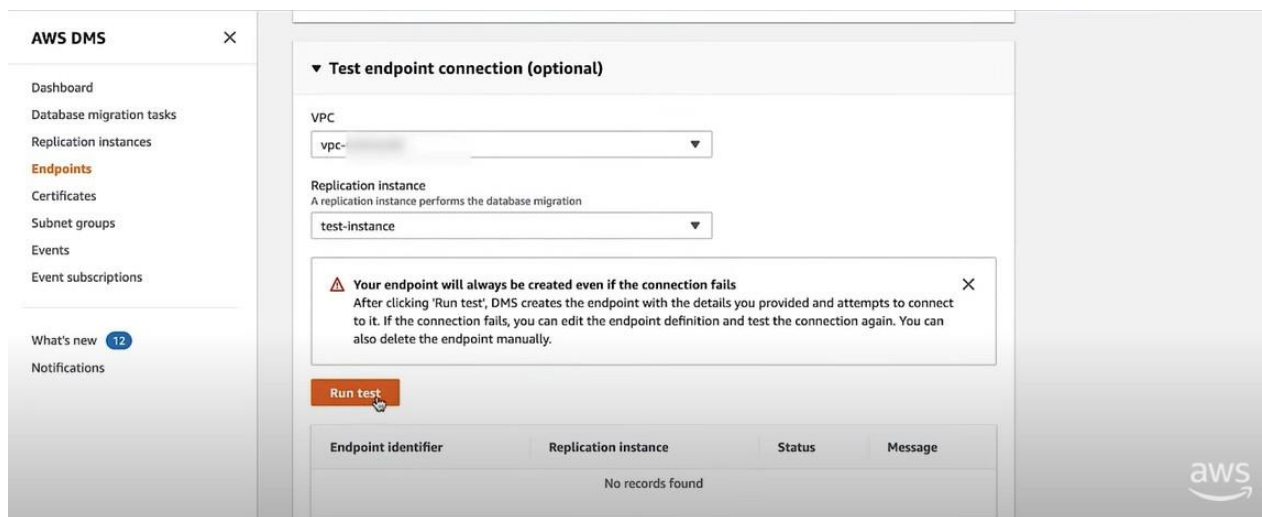
Add new setting

☐ Use endpoint connection attributes

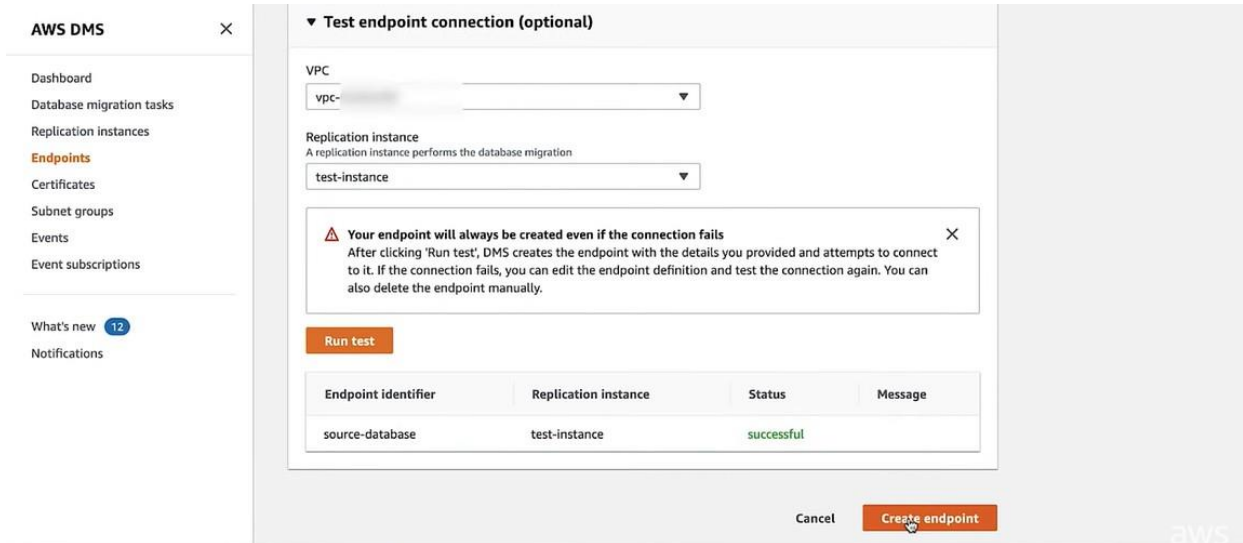


Give the required information

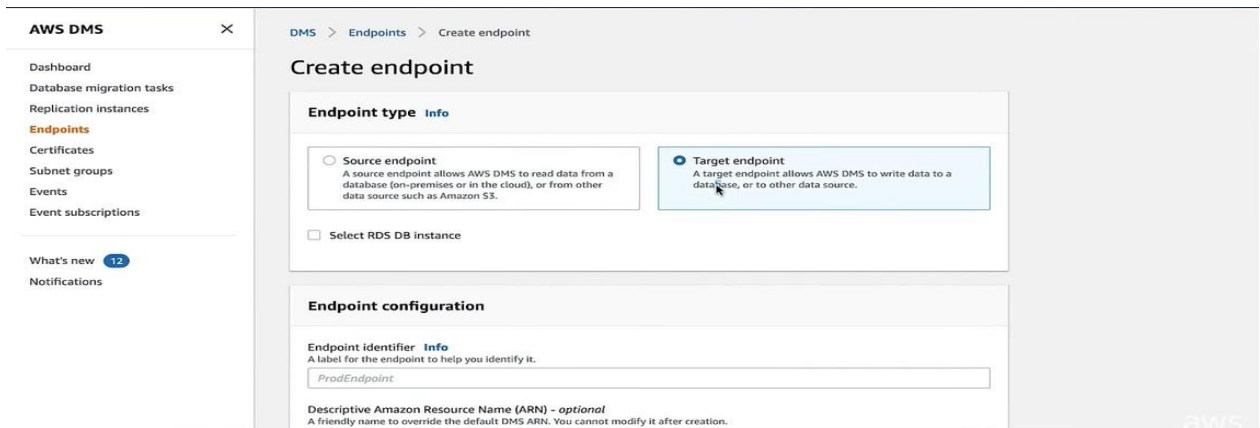
10.



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

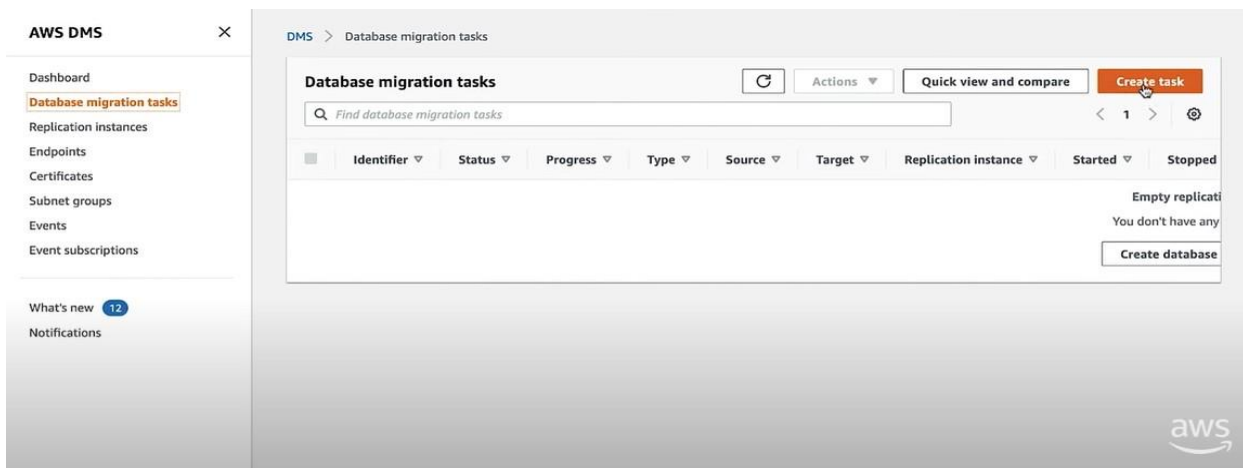


11.



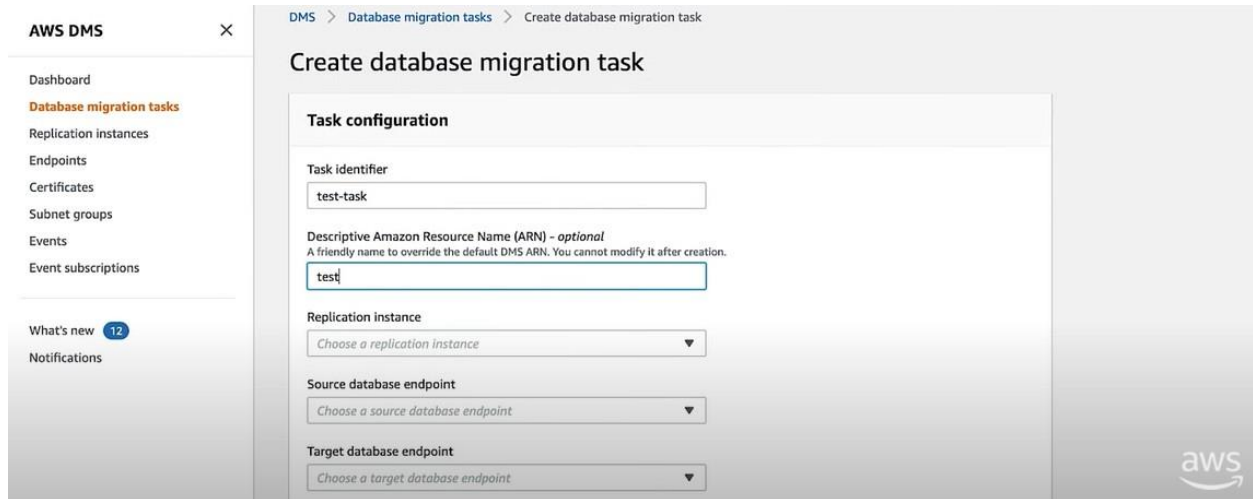
Repeat the above steps to create an instance but this ENDPOINT TYPE is Target endpoint

12.



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

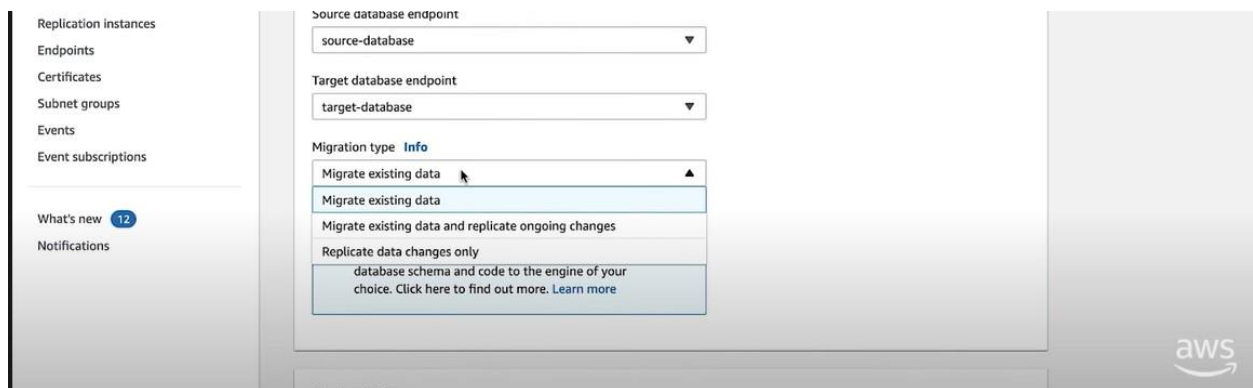
13.



The screenshot shows the AWS DMS console interface for creating a new database migration task. On the left is a navigation sidebar with options like Dashboard, Database migration tasks (highlighted), Replication instances, Endpoints, Certificates, Subnet groups, Events, and Event subscriptions. The main panel is titled 'Create database migration task' and contains a 'Task configuration' section. This section includes input fields for 'Task identifier' (containing 'test-task') and 'Descriptive Amazon Resource Name (ARN)' (containing 'test'). Below these are three dropdown menus for 'Replication instance', 'Source database endpoint', and 'Target database endpoint', each with a 'Choose a...' prompt. The AWS logo is visible in the bottom right corner.

Create the task by giving required details

14.



This screenshot is a close-up of the 'Migration type' dropdown menu within the AWS DMS console. The menu is open, showing four options: 'Migrate existing data' (which is highlighted with a blue bar and a mouse cursor), 'Migrate existing data and replicate ongoing changes', 'Replicate data changes only', and 'database schema and code to the engine of your choice. Click here to find out more. Learn more'. The 'Source database endpoint' and 'Target database endpoint' dropdowns are visible above it, showing 'source-database' and 'target-database' respectively. The AWS logo is in the bottom right corner.

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

15.

AWS DMS

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Premigration assessment Info
 A premigration assessment warns you of potential migration issues before starting your migration task. Premigration assessments generally have minimal impact on your databases and take minimal time to run.

☐ Enable premigration assessment run

Migration task startup configuration

Start migration task

☐ Automatically on create
Available only if the premigration assessment is not enabled.

☒ Manually later

► **Tags**

Cancel Create task

After giving the required details choose create task.

16.

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DMS > Database migration tasks

Database migration tasks (1)

Find database migration tasks

Actions Quick view and compare Create task

Identifier	Status	Progress	Type	Source	Target	Replication instance	Started
test-task	Running	100%	Full load	source-database	target-database	test-instance	September 23, 2021, 12:37:42 (UTC-05:30)

Run the task.

17.

AWS DMS

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test-task

Actions Quick view and compare View logs

Summary

Status **Load complete** Type Full load Source source-database Target target-database

Overview details **Table statistics** CloudWatch metrics Mapping rules Premigration assessments Tags

Table statistics (1)

Total rows include loaded source table rows from Inserts, Deletes, Updates, DDLs, and Full load rows.

Find schema

Validation pending	Validation failed	Validation suspended	Validation details	Last updated
0	0	0		September 23, 2021, 12:37:42 (UTC-05:30)

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