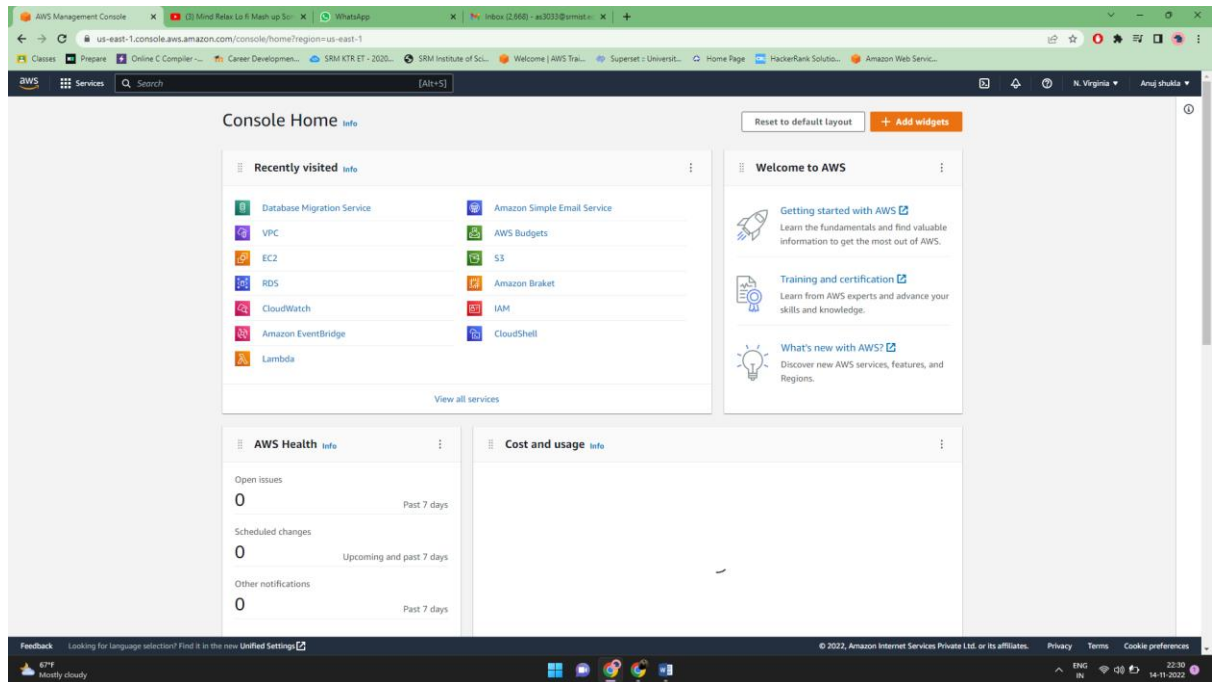


Experiment 8—Migrate to Amazon RDS

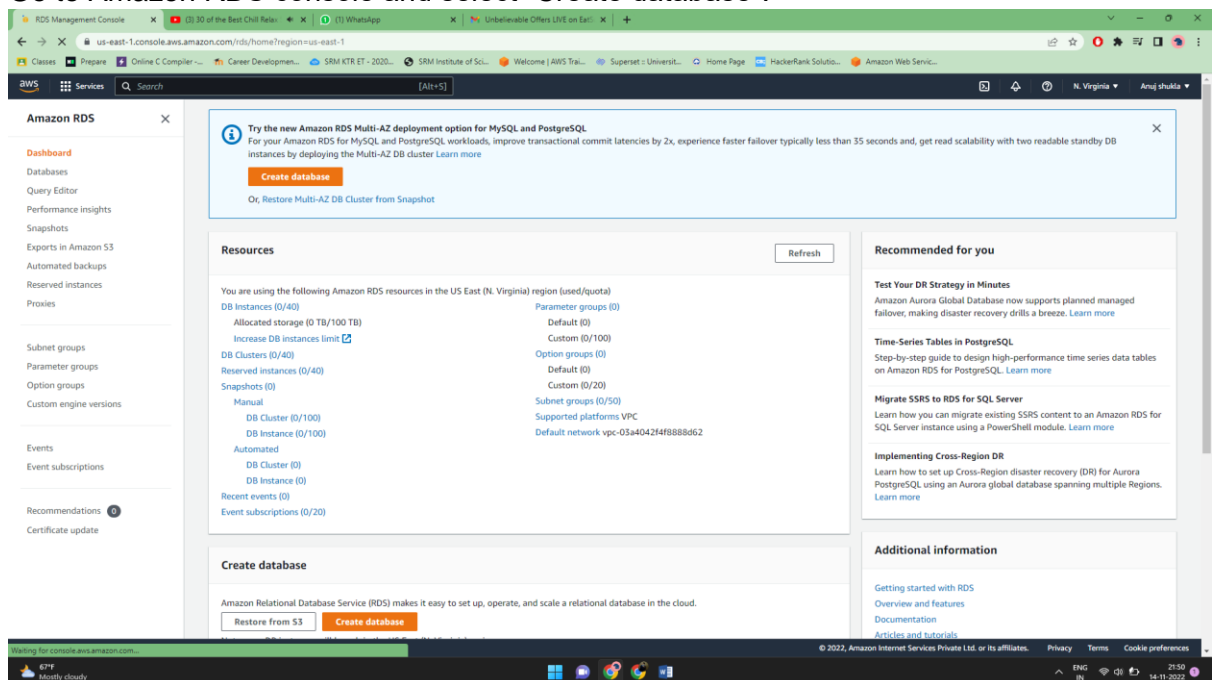
AIM: To migrate from MySQL to Amazon RDS with AWS DMS.

PROCEDURE:

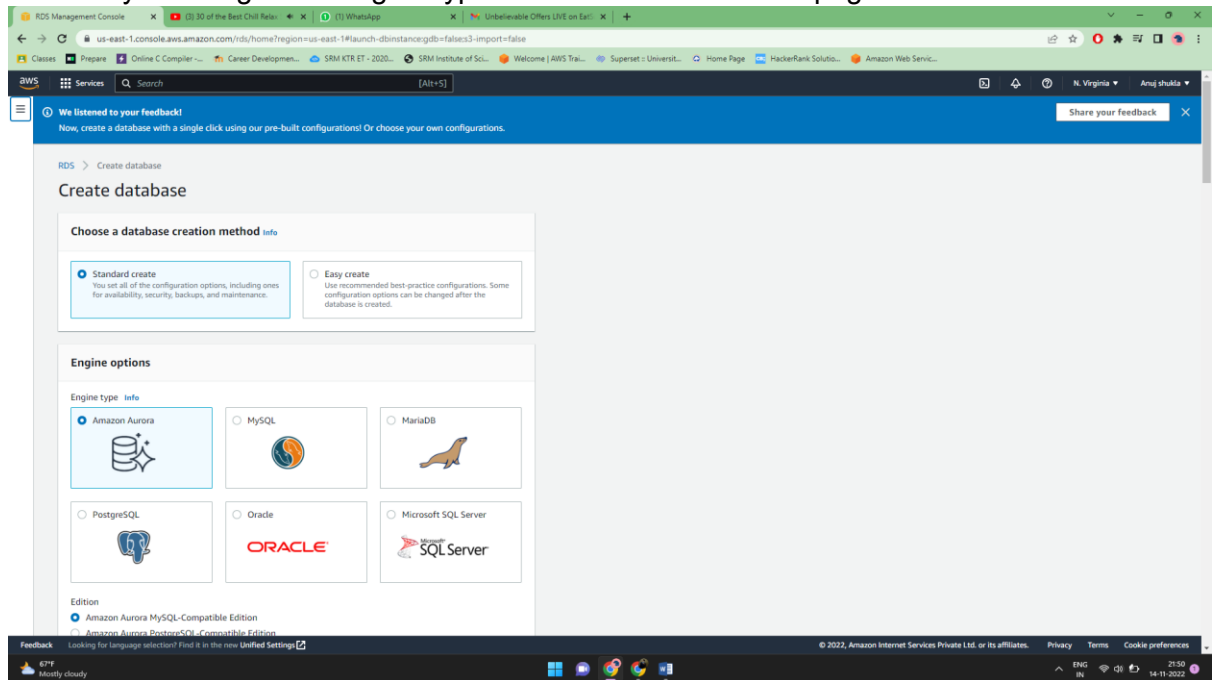
1. Firstly, open the AWS console homepage on browser (<https://aws.amazon.com/console/>).



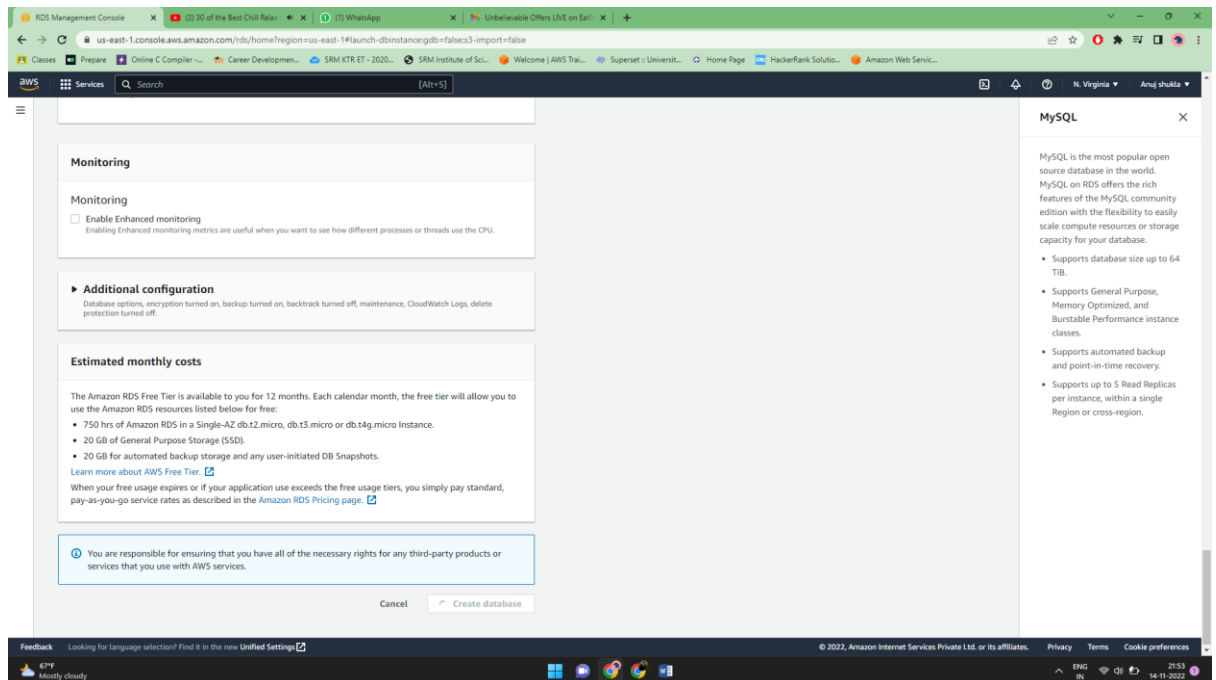
2. Go to Amazon RDS console and select “Create database”.



3. Select MySQL engine as engine type in the “Create database page”.

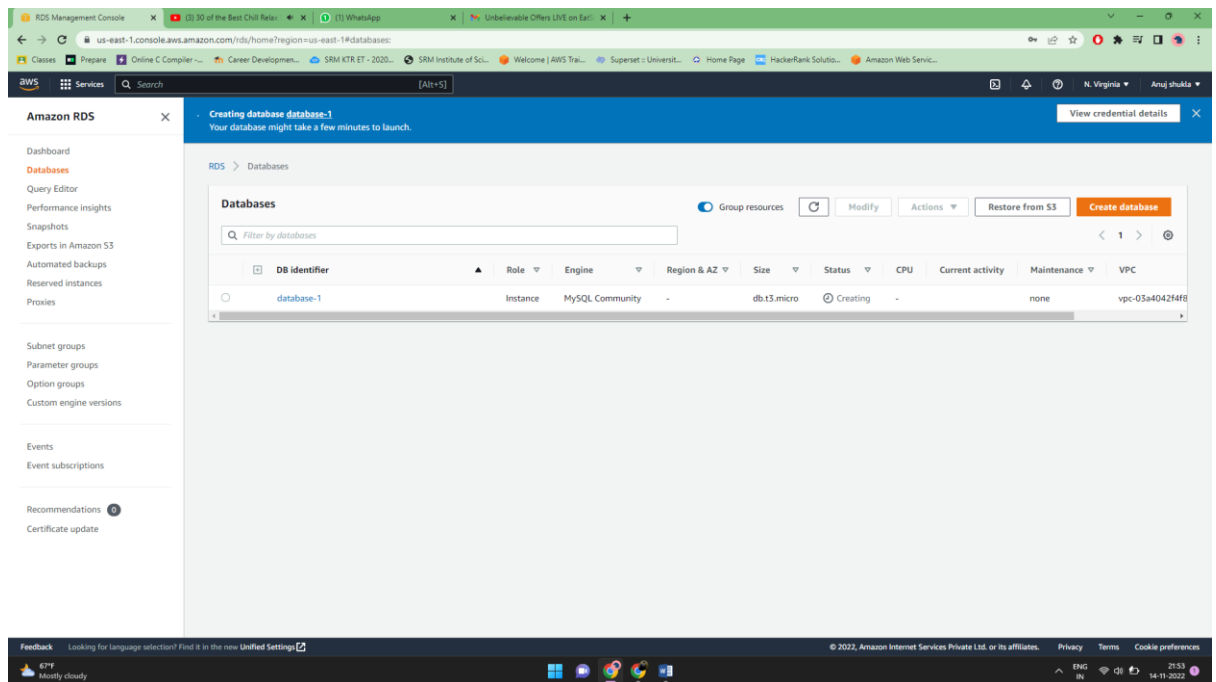


4. Click on “Free Tier” as templates and leave other configurations as it is.

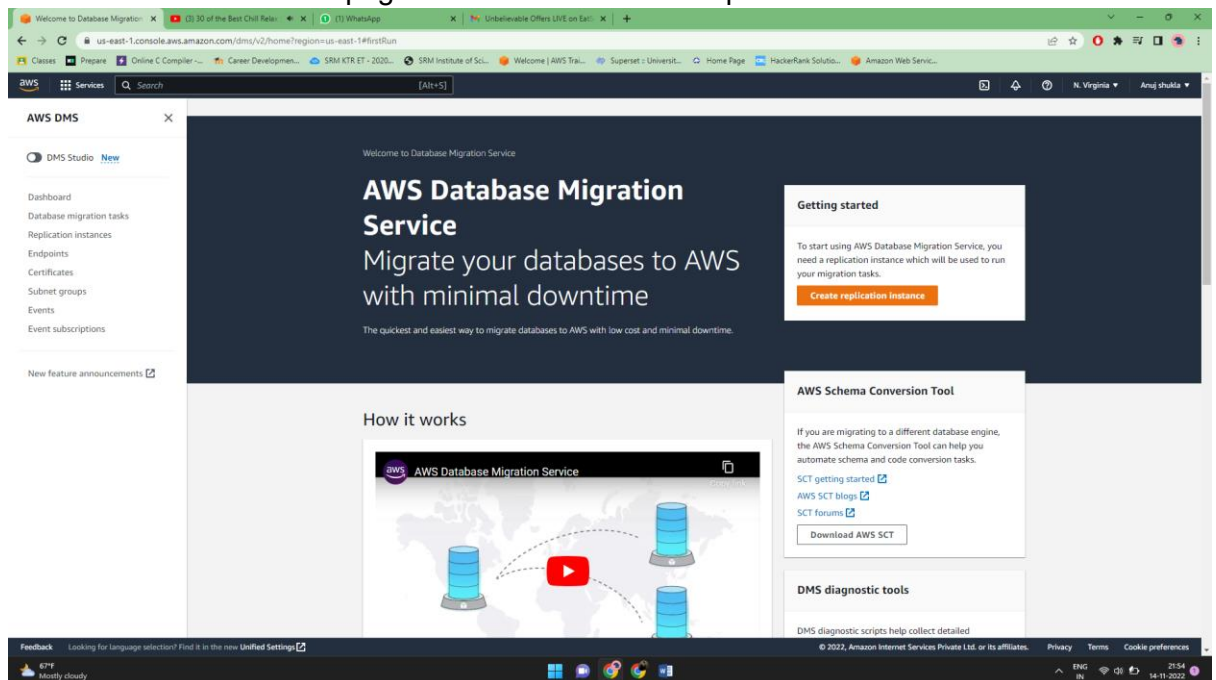


5. Create a Master username and password and remember that for future use.

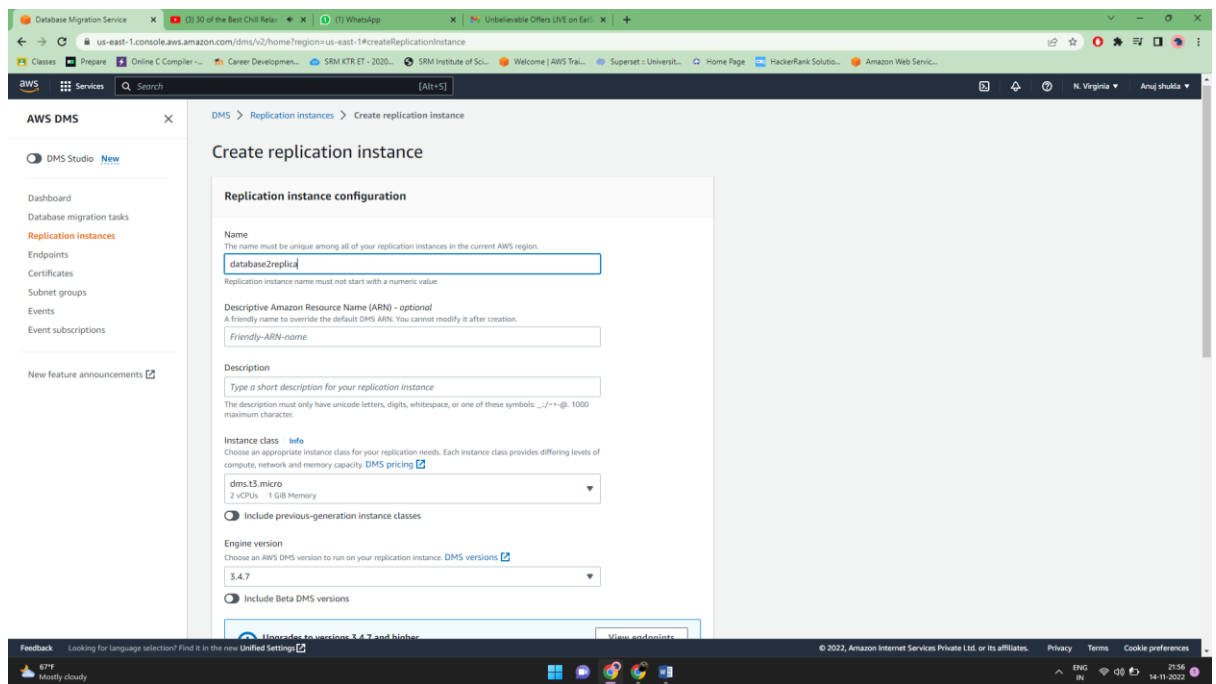
6. Select on create database and wait for the RDS database to be created.



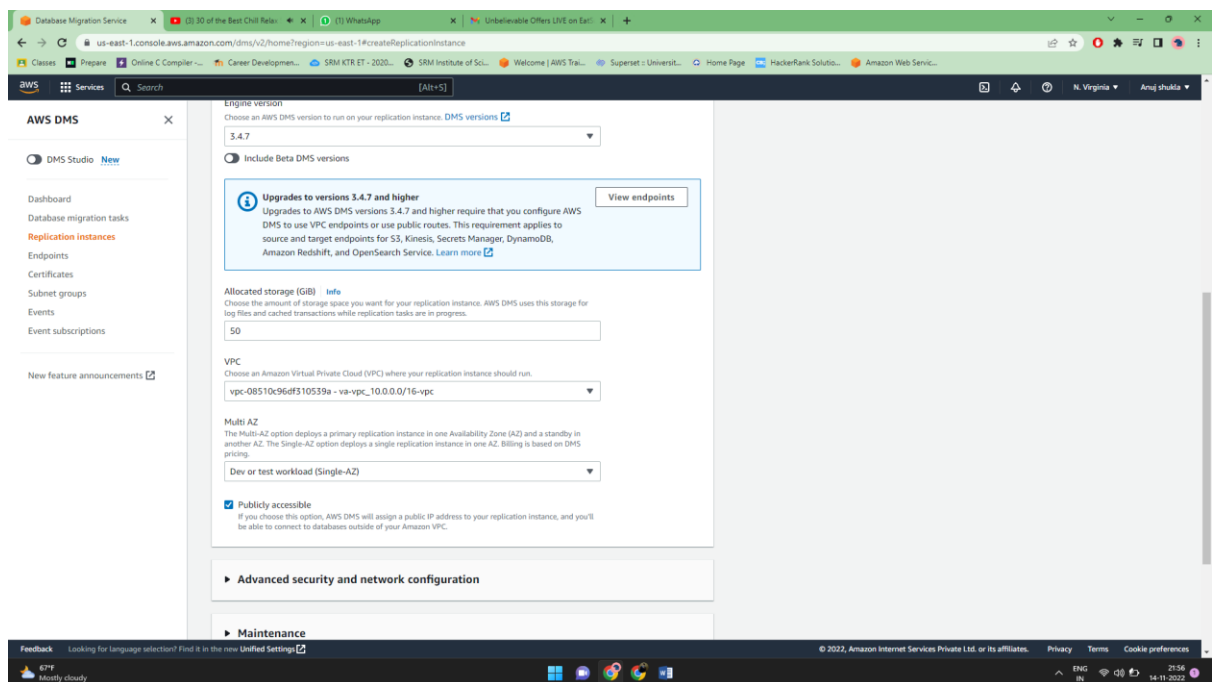
7. Go to AWS DMS console page and click on “Create Replication Instance”.



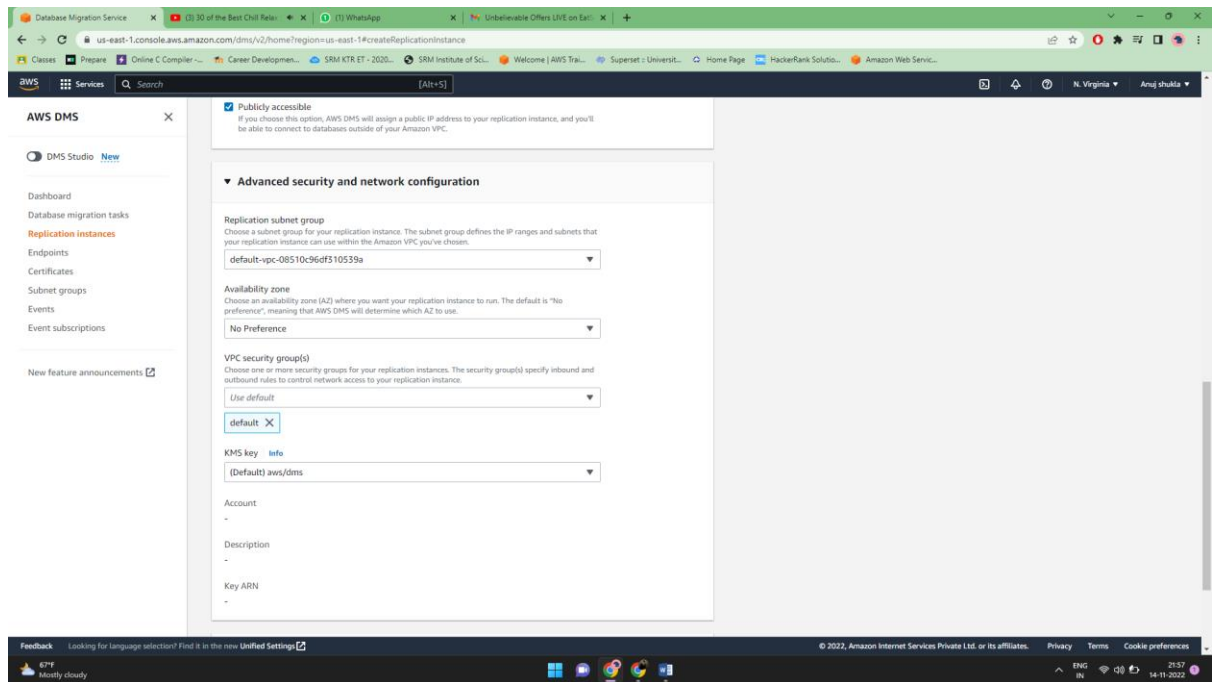
8. Choose the name for your instance and select “t3.micro” in instance class.



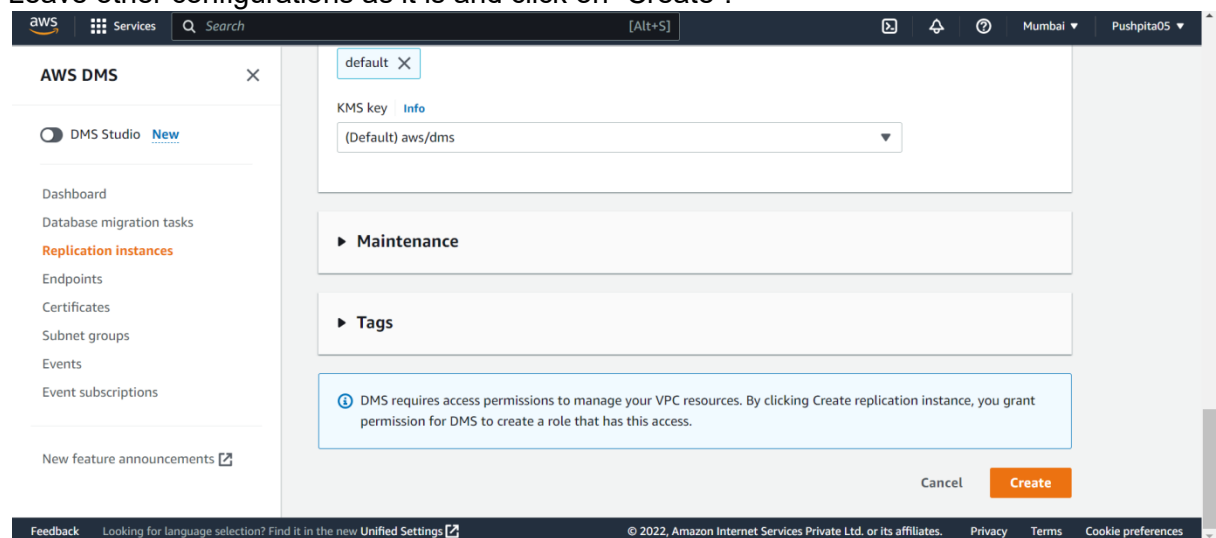
9. Select the vpc you want your instance to be in and select “Dev or test workload”.



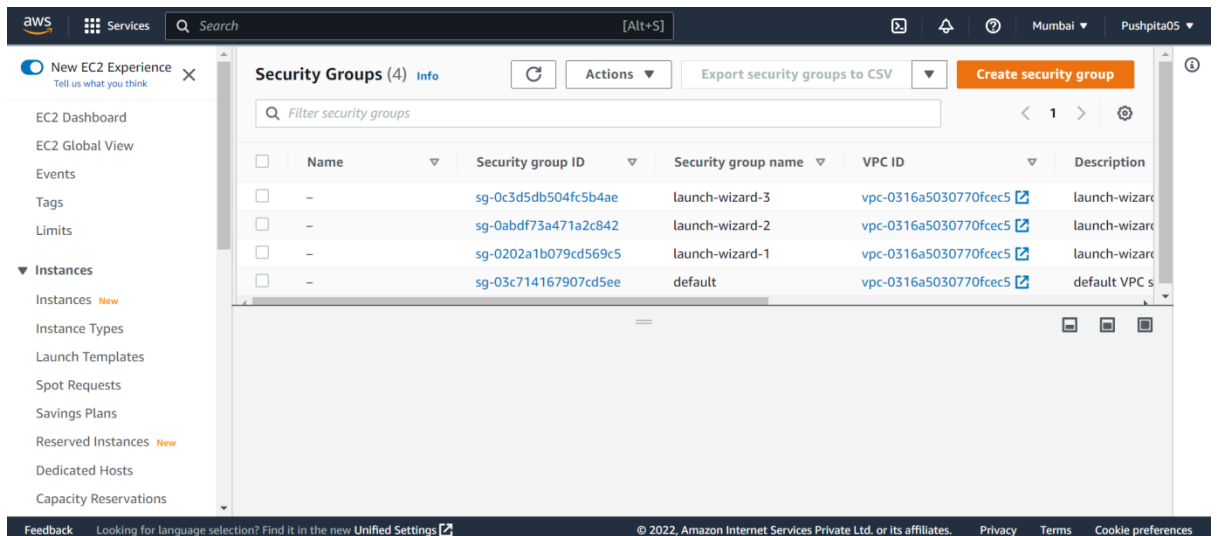
10. Select security group you want your instance to be part of and better to choose “default”.



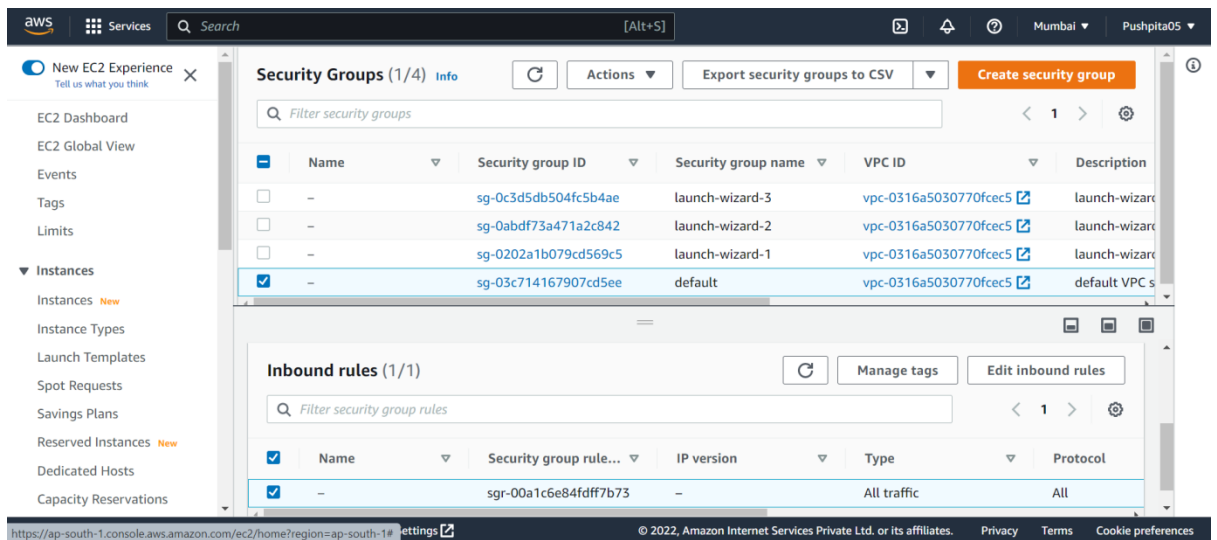
11. Leave other configurations as it is and click on “Create”.



12. Go to “Security Groups” in EC2 console.



13. Click on your security group name and click on “edit inbound rules”.



14. Select “MYSQL/Aurora” in type and select the security group of your instance, in this case default and click on “save rules”.

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EC2 > Security Groups > sg-03c714167907cd5ee - default > Edit inbound rules

Edit inbound rules [Info](#)

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules [Info](#)

Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info
sg-00a1c6e84dff7b73	MYSQL/Aurora	TCP	3306	Custom <input type="text" value="Q"/>	<input type="text"/>

sg-03c714167907cd5ee

Add rule

Delete

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New EC2 Experience Tell us what you think

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- EC2 Global View
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- Spot Requests
- Savings Plans
- Reserved Instances **New**
- Dedicated Hosts
- Capacity Reservations

Inbound security group rules successfully modified on security group (sg-03c714167907cd5ee | default)

Details

Security Groups (1/4) [Info](#)

	Name	Security group ID	Security group name	VPC ID	Description
<input type="checkbox"/>	-	sg-0c3d5db504fc5b4ae	launch-wizard-3	vpc-0316a5030770fcec5	launch-wizard
<input checked="" type="checkbox"/>	-	sg-03c714167907cd5ee	default	vpc-0316a5030770fcec5	default VPC s

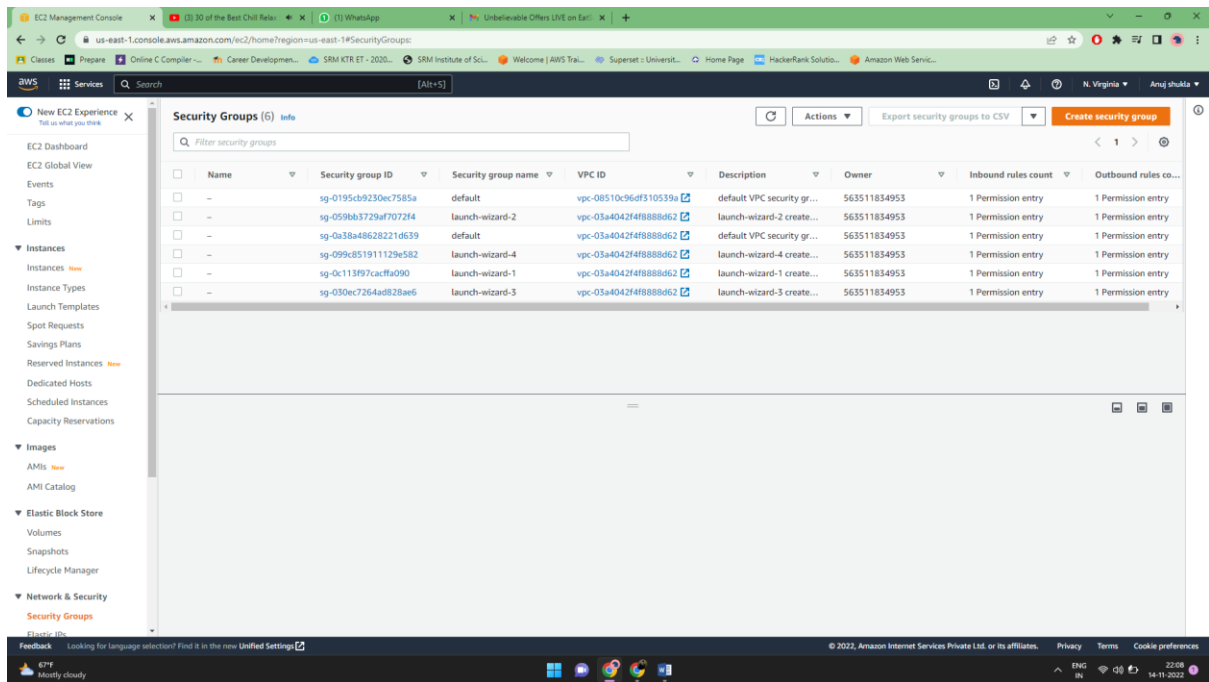
sg-03c714167907cd5ee - default

Details **Inbound rules** Outbound rules Tags

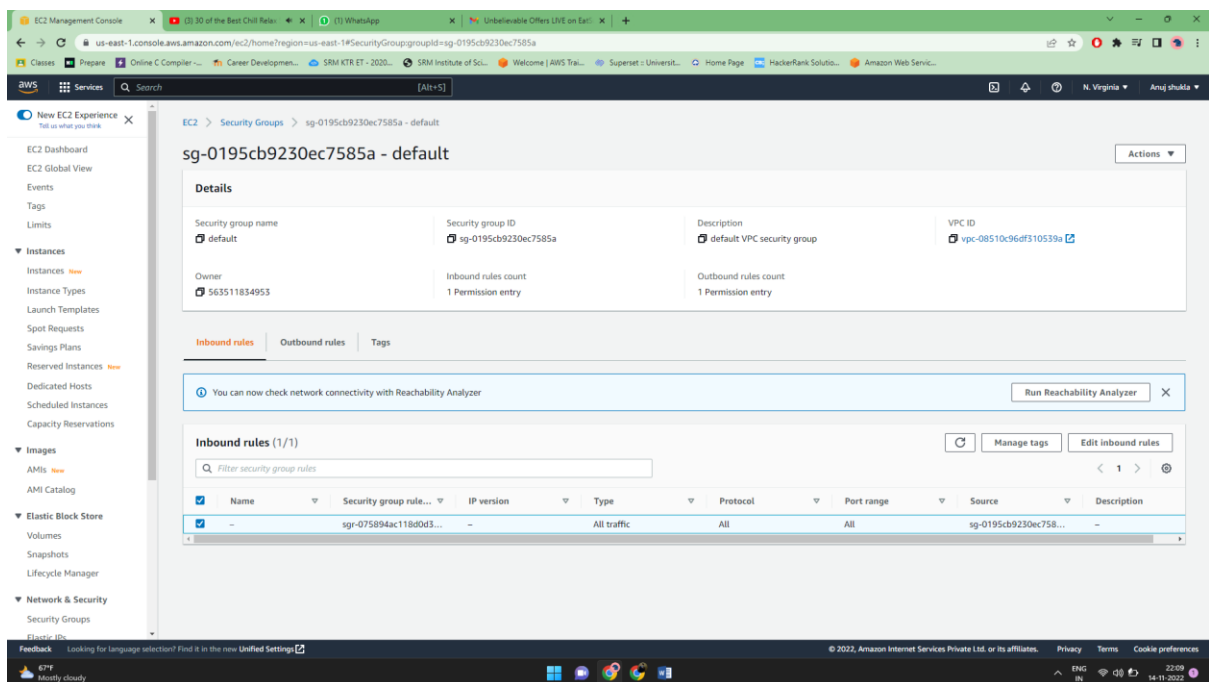
You can now check network connectivity with Reachability Analyzer [Run Reachability Analyzer](#)

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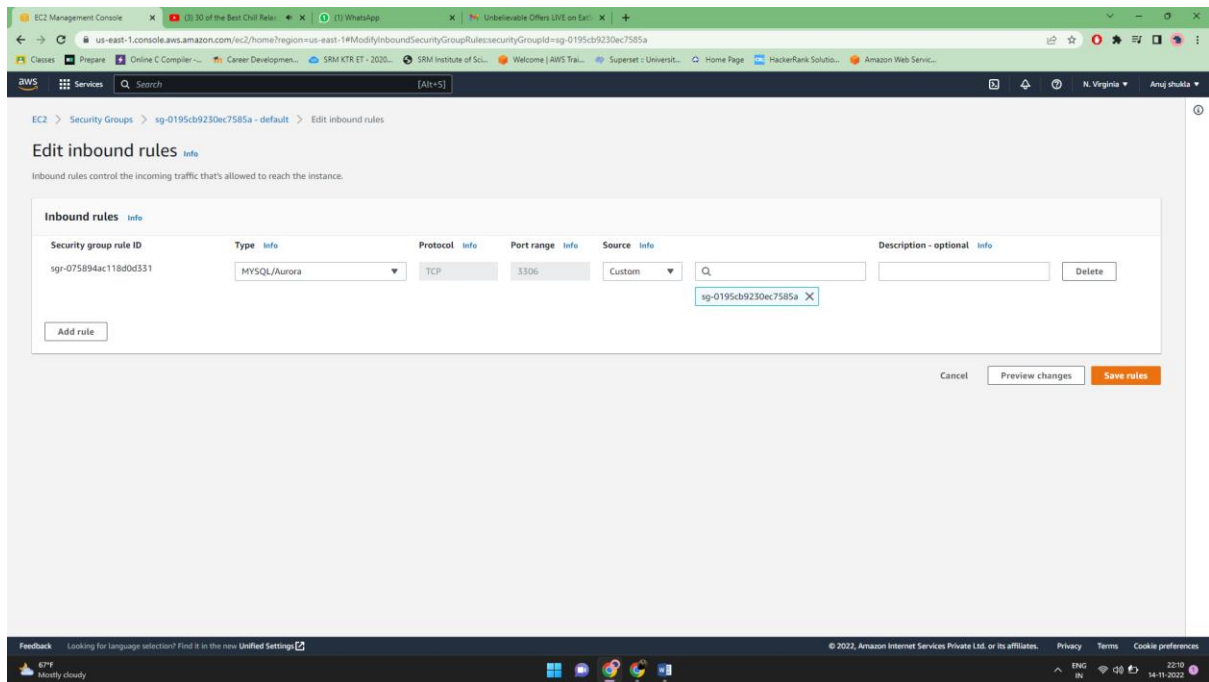
15. Go to AWS DMS console and to the endpoints page and click on “Create Endpoint”.



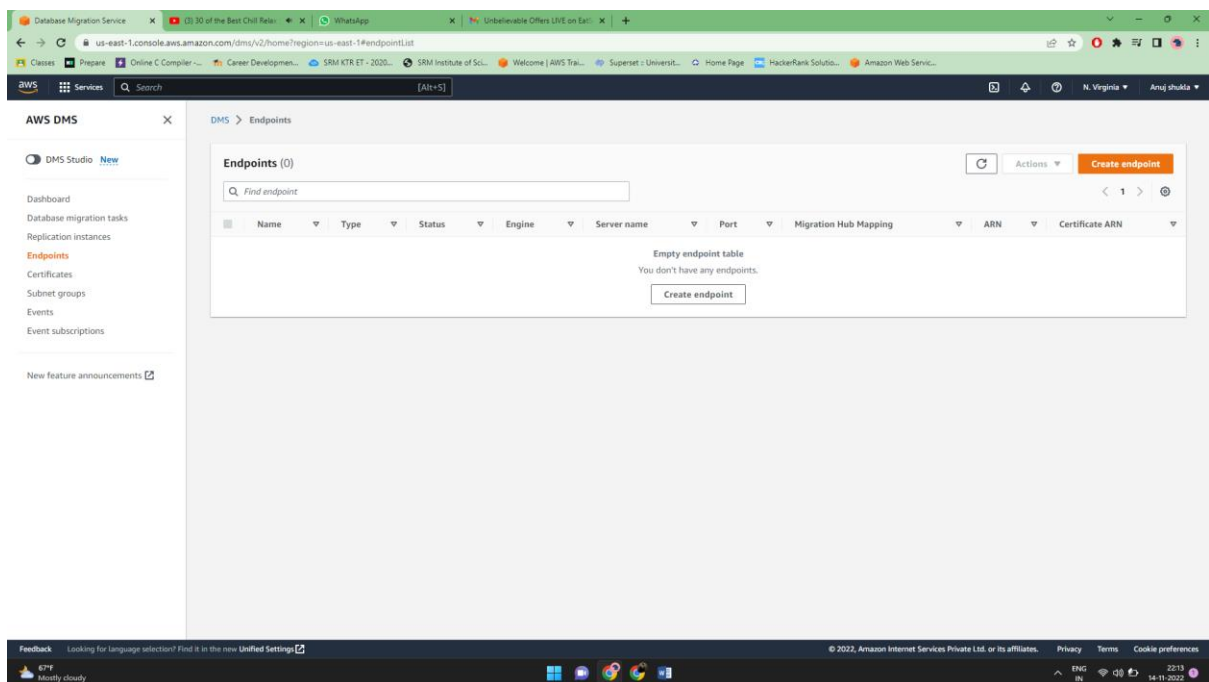
16. Select “Target endpoint” and check the select RDS DB instance box.



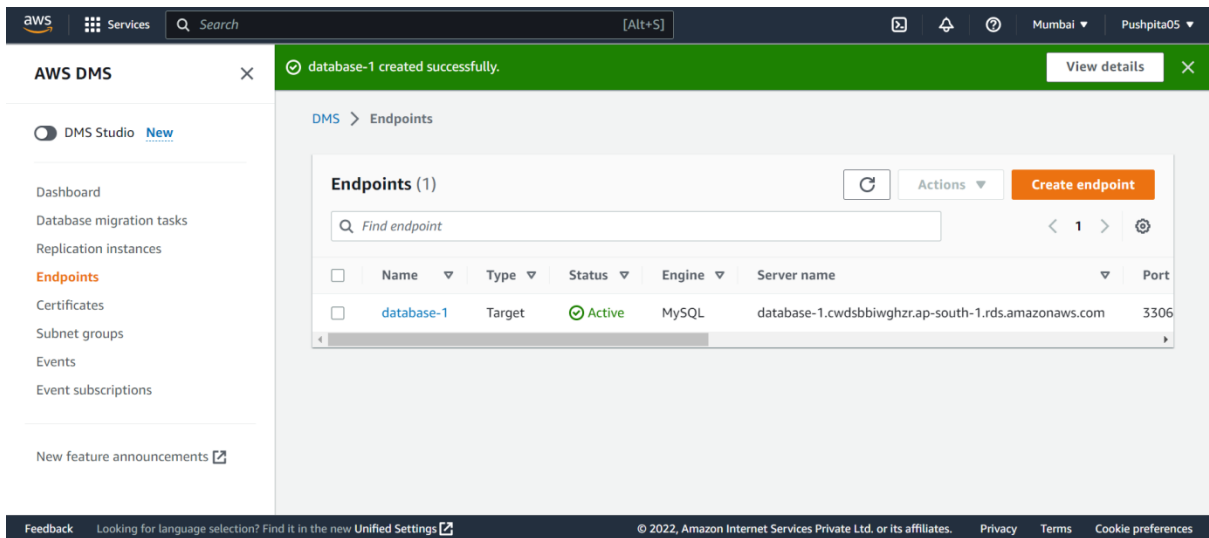
17. Select “Provide access information manually” and enter password chosen before.



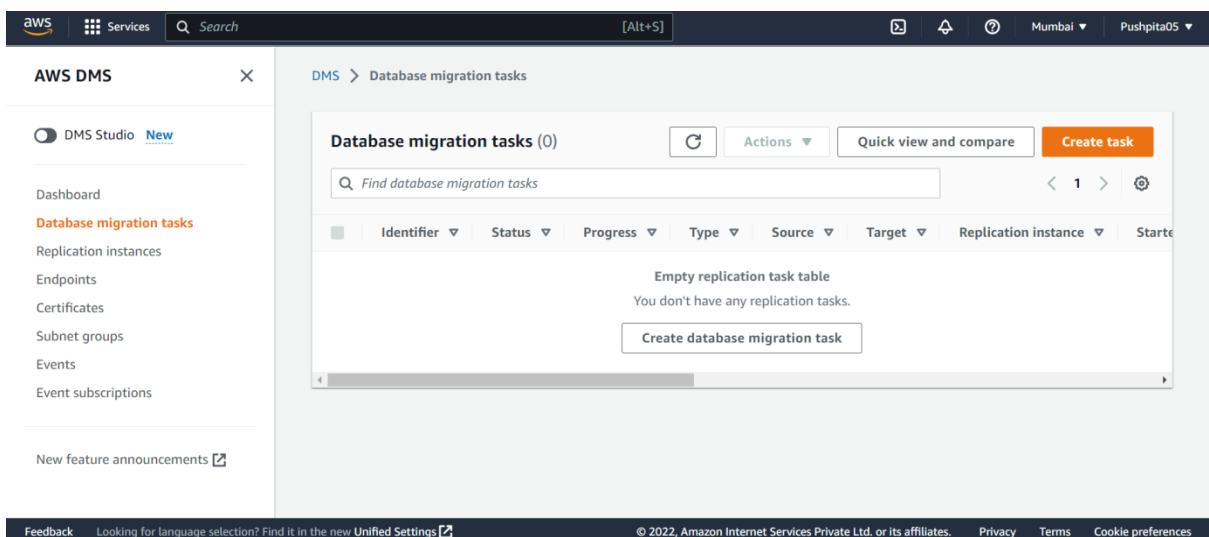
18. Leave other configurations as it is and click on “create endpoint”.



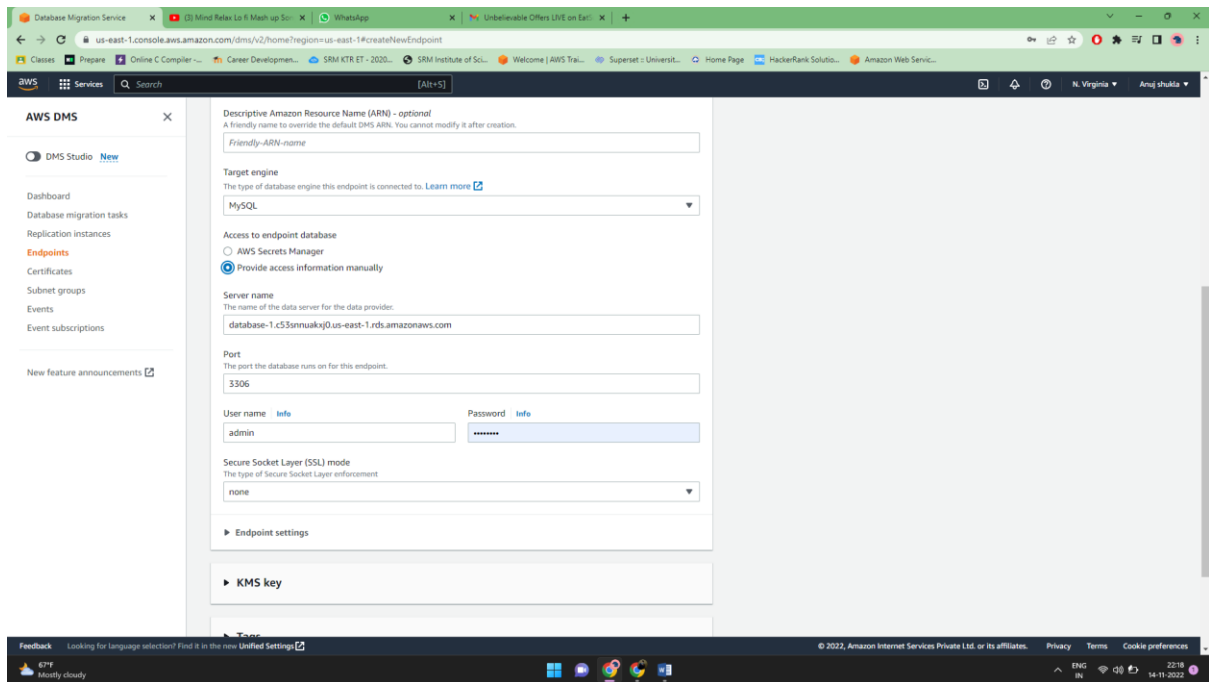
19. Repeat the above steps for “Source Endpoint” except do not check the “select RDS DB instance” and choose a different name for endpoint identifier.



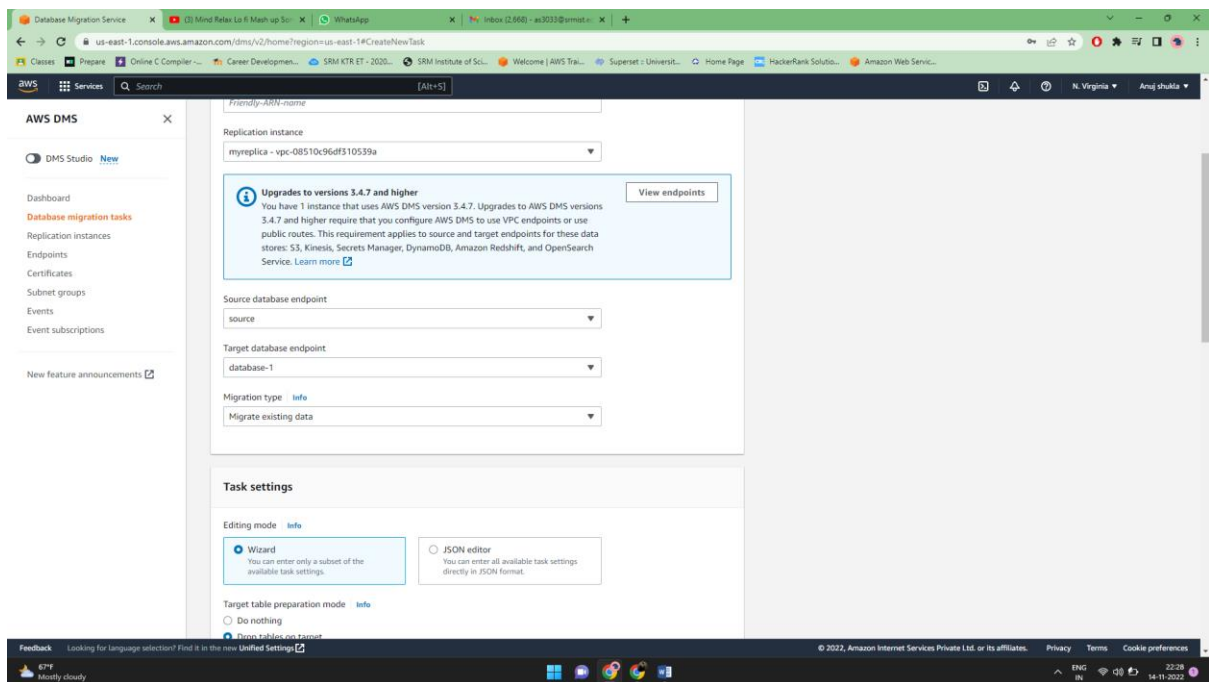
20. Go to “Database migration tasks” page in AWS DMS console and select “Create task”.



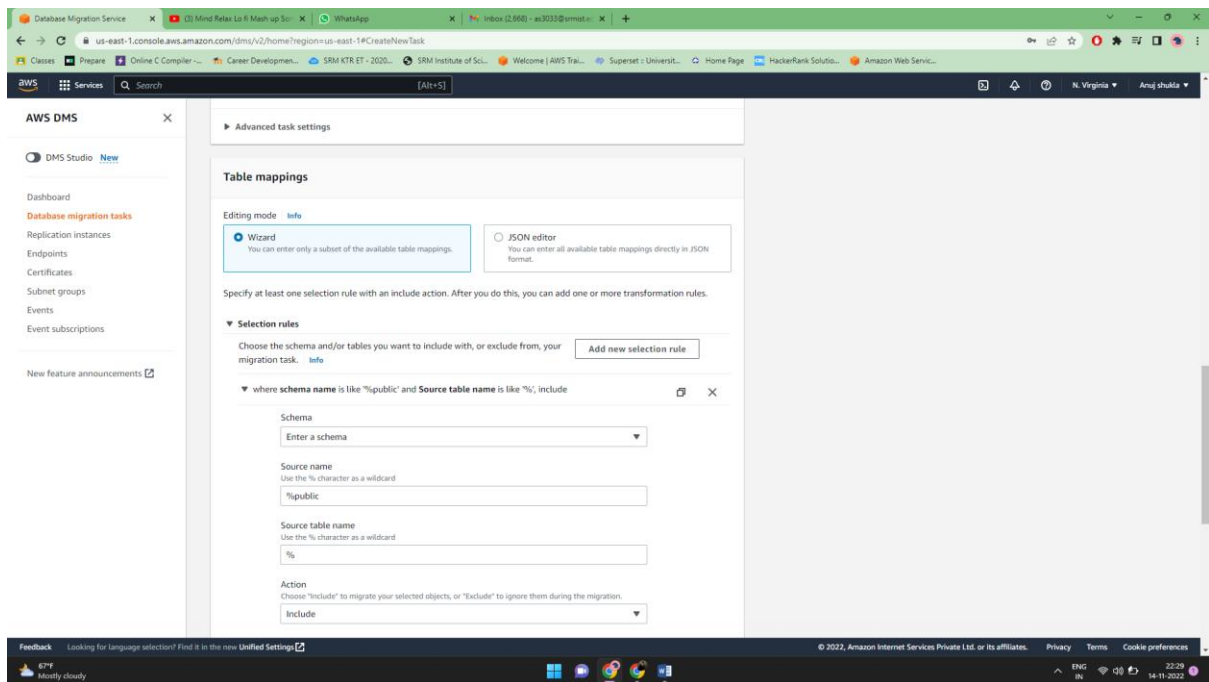
21. Give a name to the task and select replication instance.



22. Select source and target database endpoints. Also select “migrate existing data” as migration type.



23. Click on “Add new selection rule”, enter a source name- it can be anything and put “%” in table name. Finally click on “create task”.



RESULT:

A MySQL database was migrated to Amazon RDS with the help of AWS DMS.

Database Migration Service

(3) Mind Relax Lo R Mash up Sci...

WhatsApp

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us-east-1.console.aws.amazon.com/dms/v2/home?region=us-east-1#tasks

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awsServicesSearch[Alt+S]

N. VirginiaAnuj shukla

AWS DMS

DMS Studio [New](#)

Dashboard

Database migration tasks

Replication instances

Endpoints

Certificates

Subnet groups

Events

Event subscriptions

New feature announcements [↗](#)

mytask creation in progress.

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	Stopped	Elapsed load time	Tables loaded	Tables loading
<input type="checkbox"/>	mytask	Creating		Full load	source	database-1	myreplica	-	-			

Feedback

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