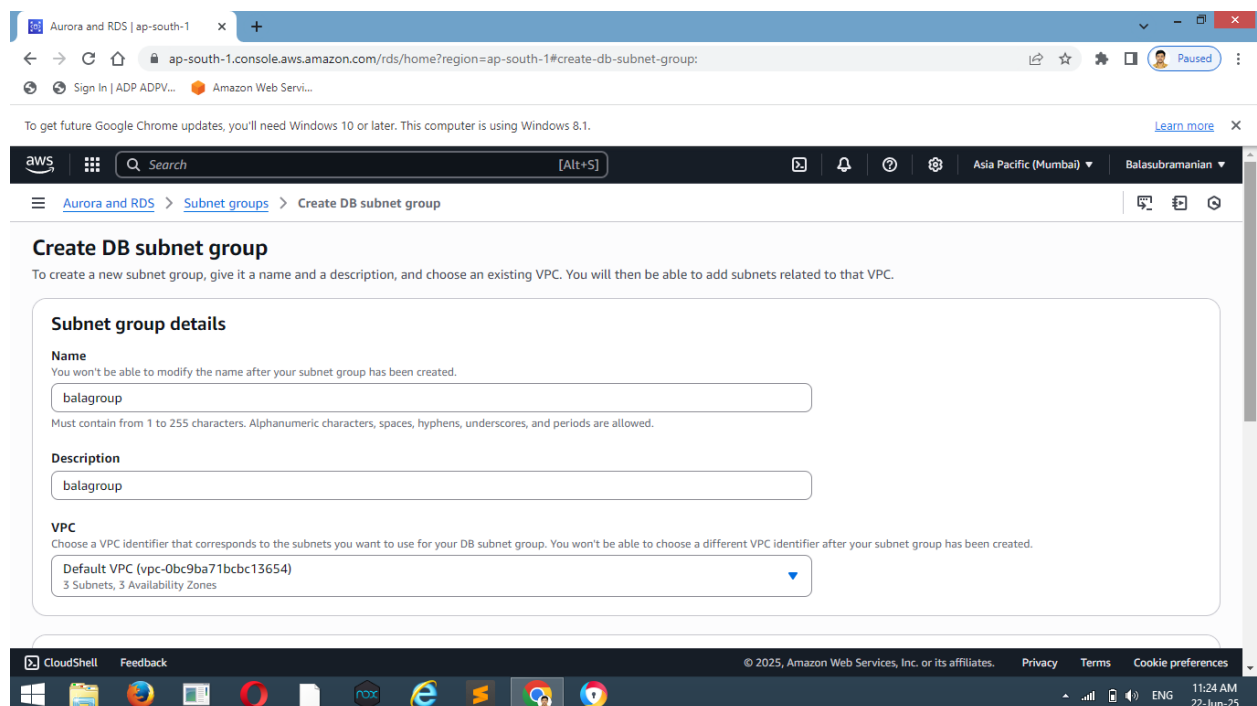
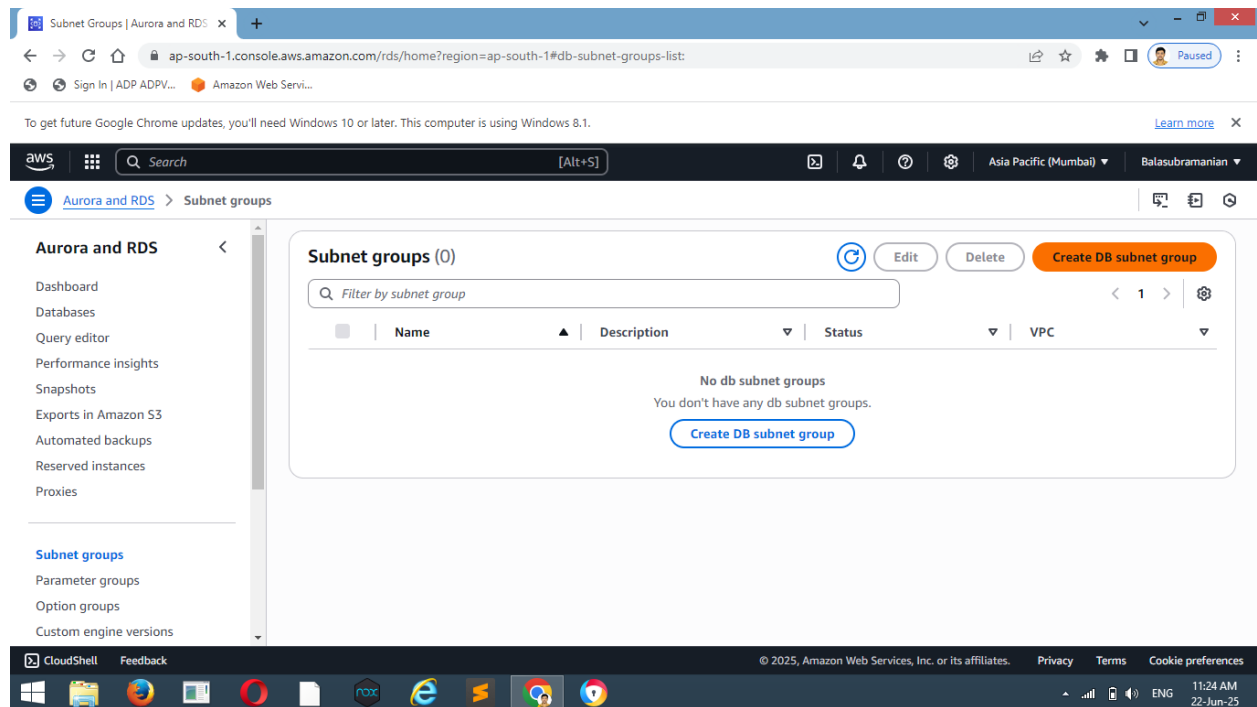


CREATE RELATIONAL DATABASE SYSTEM (RDS) AND ITS CONNECTED TO EC2 INSTANCE

STEP 1: FIRST SETUP EC2 INSTANCE IS RUNNING MODE AND GO TO RDS AND CREATE SUBNET GROUPS



Aurora and RDS | ap-south-1

ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#create-db-subnet-group

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Aurora and RDS

Subnet groups

Create DB subnet group

Availability Zones

Choose the Availability Zones that include the subnets you want to add.

Choose an availability zone

ap-south-1a

ap-south-1b

ap-south-1c

Subnets

Choose the subnets that you want to add. The list includes the subnets in the selected Availability Zones.

Select subnets

-

Subnet ID: subnet-01646ef3c0a3be14a

CIDR: 172.31.16.0/20

-

Subnet ID: subnet-0a807d88ae363f03b

CIDR: 172.31.0.0/20

-

Subnet ID: subnet-0ce19351e90f948fb

CIDR: 172.31.32.0/20

For Multi-AZ DB clusters, you must select 3 subnets in 3 different Availability Zones.

Subnets selected (3)

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Subnet groups

Create DB subnet group

-

Subnet ID: subnet-0ce19351e90f948fb

CIDR: 172.31.32.0/20

For Multi-AZ DB clusters, you must select 3 subnets in 3 different Availability Zones.

Subnets selected (3)

Availability zone	Subnet name	Subnet ID	CIDR block
ap-south-1c	-	subnet-01646ef3c0a3be14a	172.31.16.0/20
ap-south-1b	-	subnet-0a807d88ae363f03b	172.31.0.0/20
ap-south-1a	-	subnet-0ce19351e90f948fb	172.31.32.0/20

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STEP 2: SUCCESSFULLY CREATED SUBNET GROUPS

Subnet Groups | Aurora and RDS

ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#db-subnet-groups-list

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Aurora and RDS > Subnet groups

Successfully created balagroup. [View subnet group](#)

Subnet groups (1) [Refresh](#) [Edit](#) [Delete](#) [Create DB subnet group](#)

Filter by subnet group

<input type="checkbox"/>	Name	Description	Status	VPC
<input type="checkbox"/>	balagroup	balagroup	Complete	vpc-0bc9ba71bcb13654

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STEP 3: CREATE DATABASE AND I WILL CHOOSE MQSQL DATABASE

Databases | Aurora and RDS

ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#databases:

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Aurora and RDS > Databases

Successfully created balagroup. [View subnet group](#)

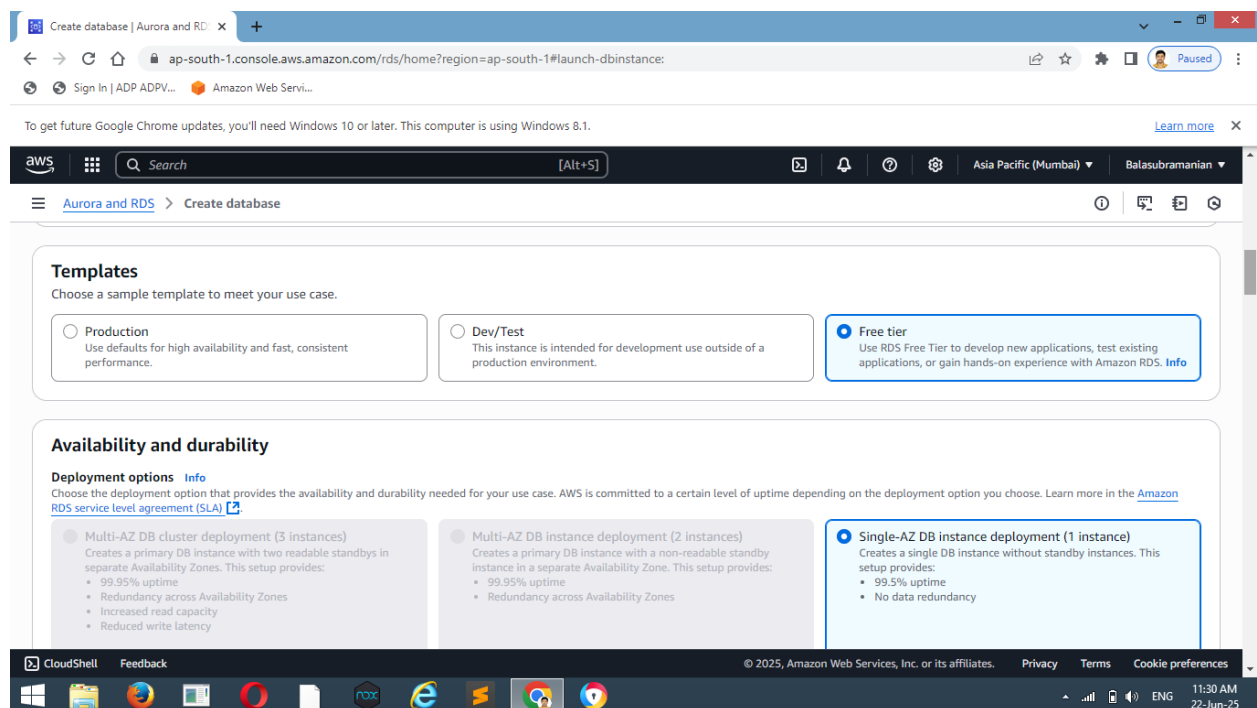
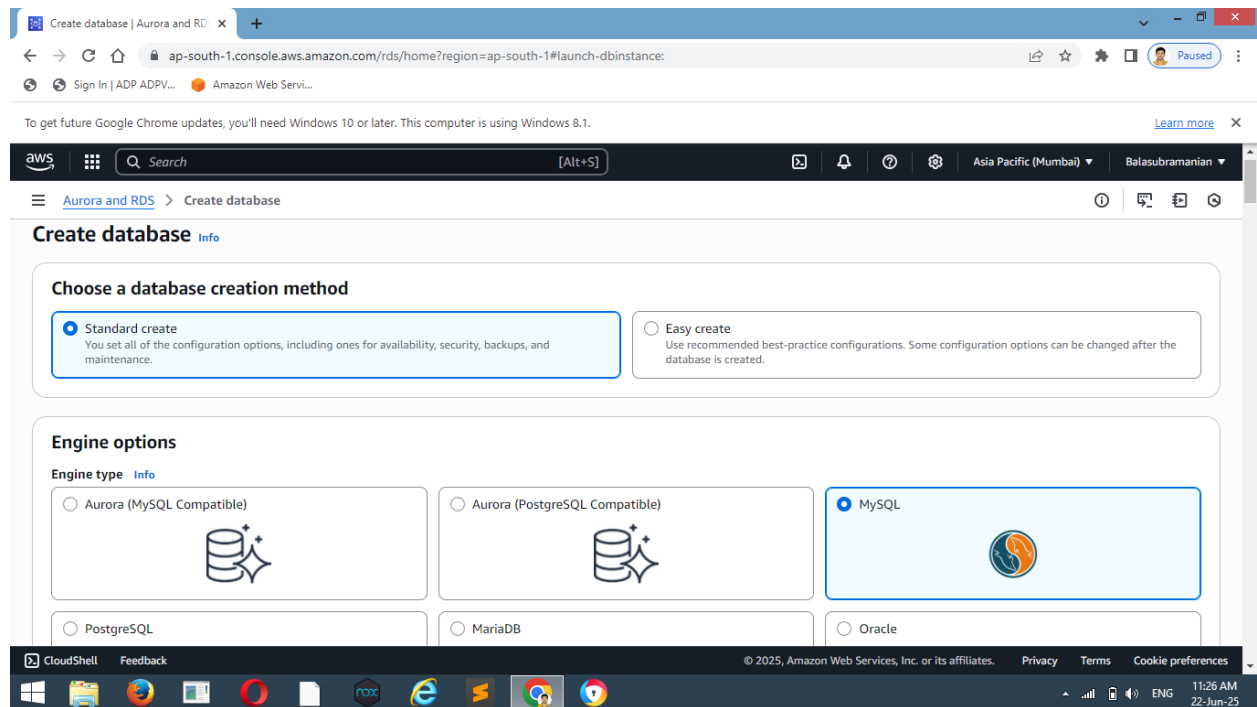
Databases (0) [Group resources](#) [Refresh](#) [Modify](#) [Actions](#) [Create database](#)

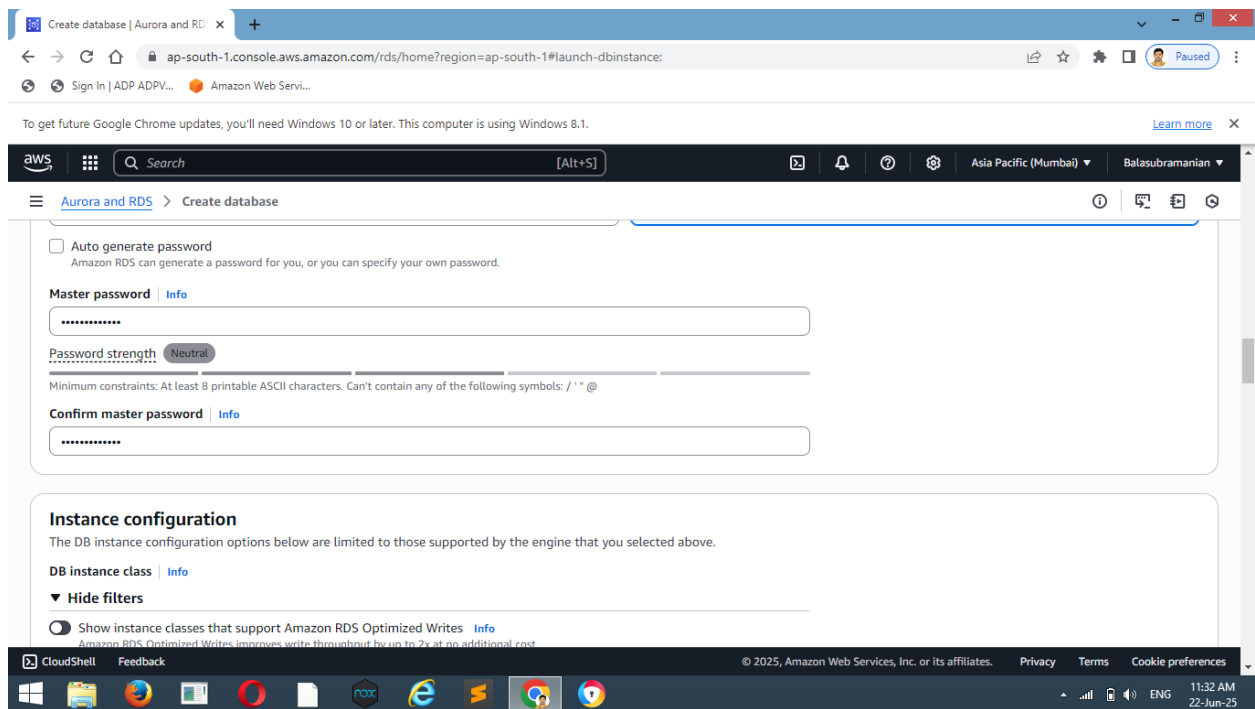
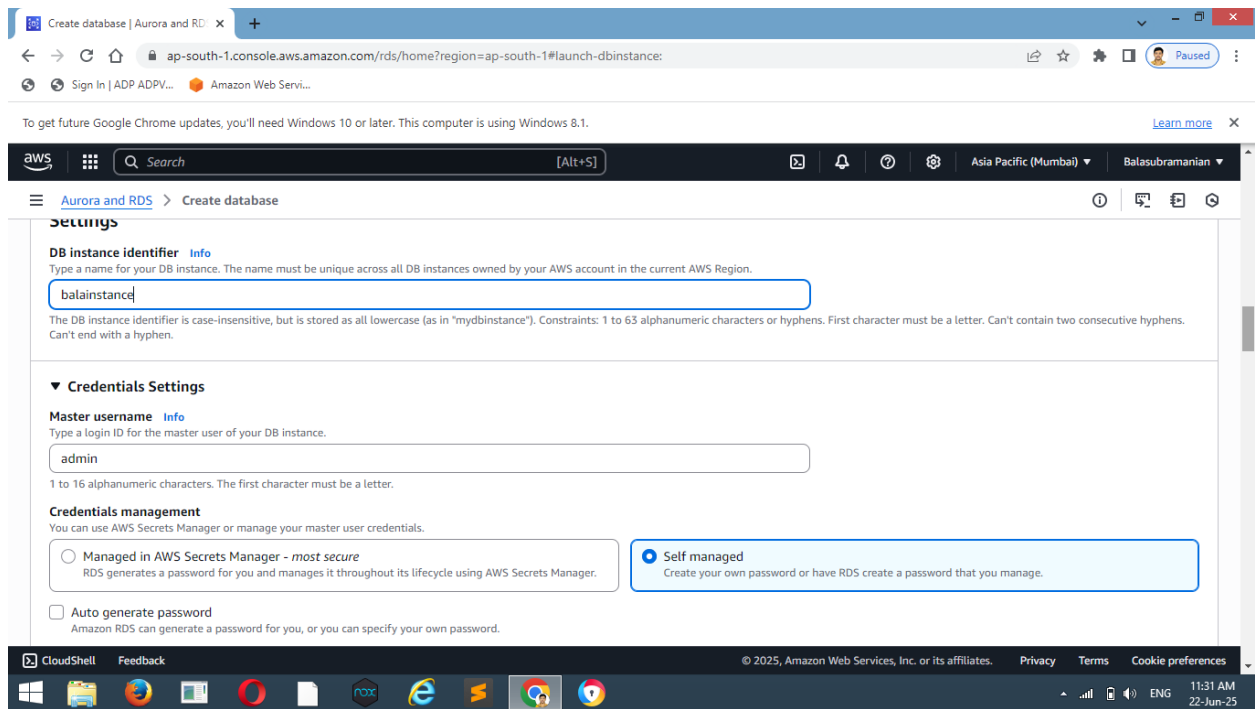
Filter by databases

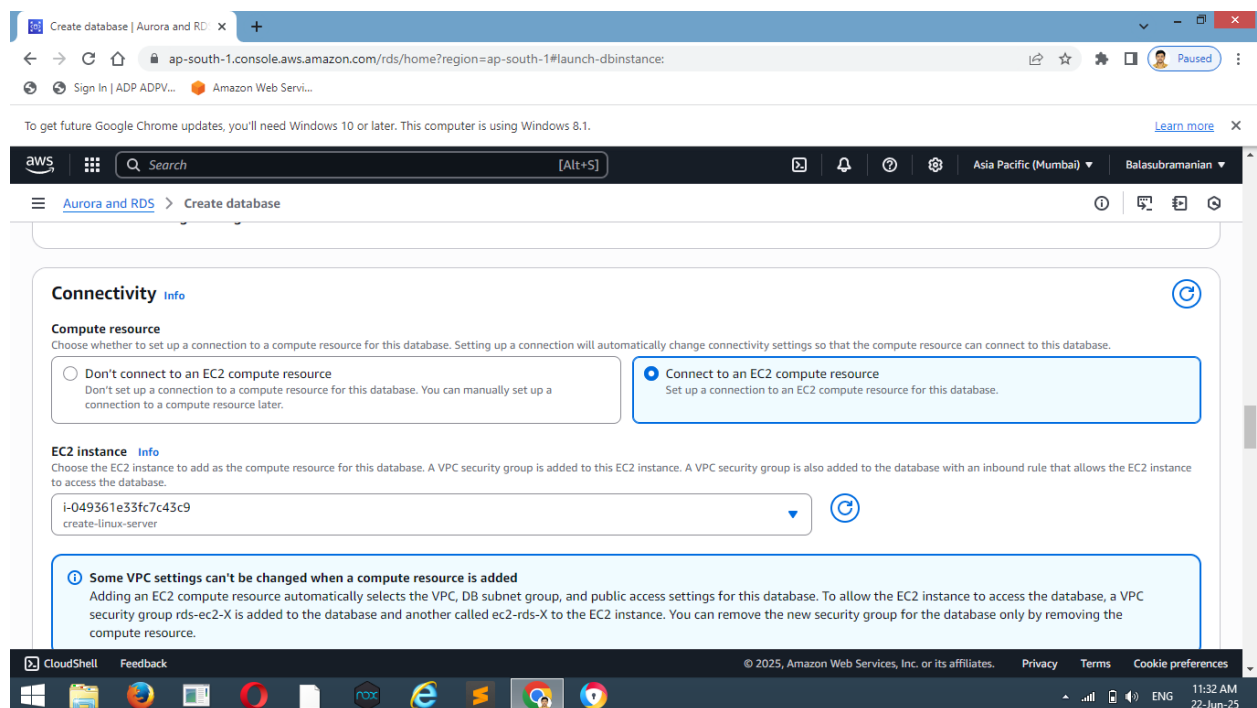
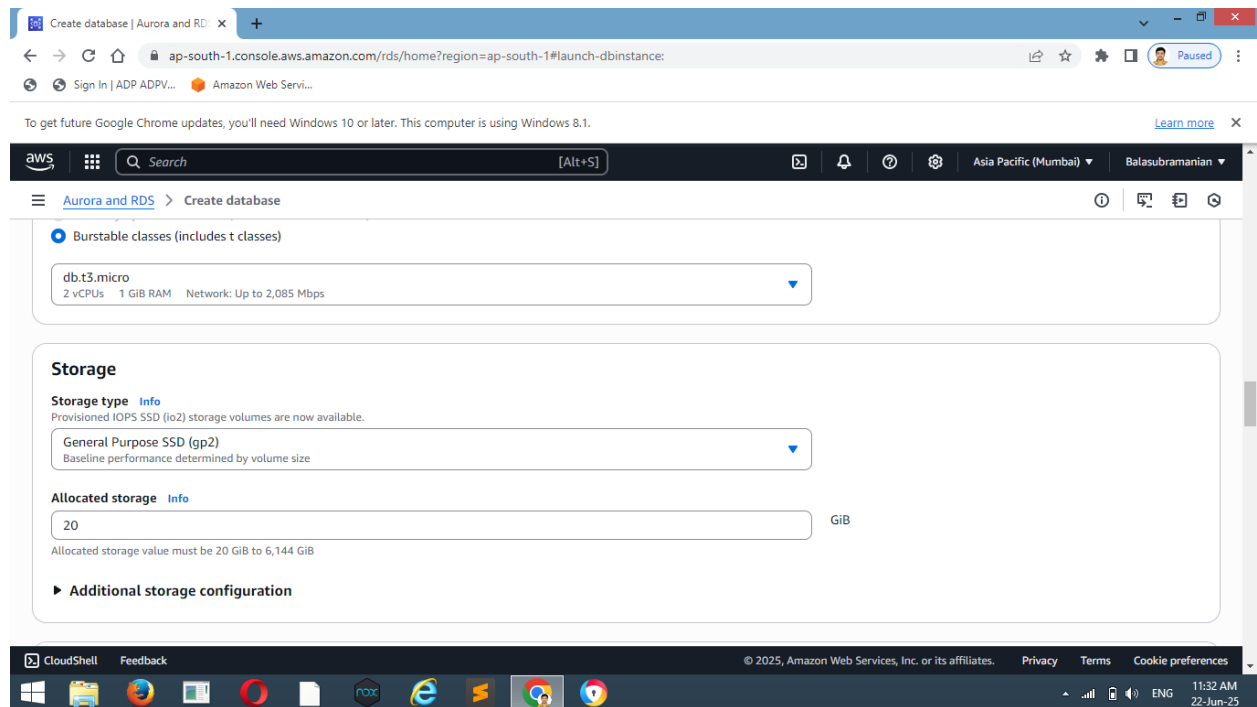
<input type="checkbox"/>	DB identifier	Status	Role	Engine	Region ...	Size
--------------------------	---------------	--------	------	--------	------------	------

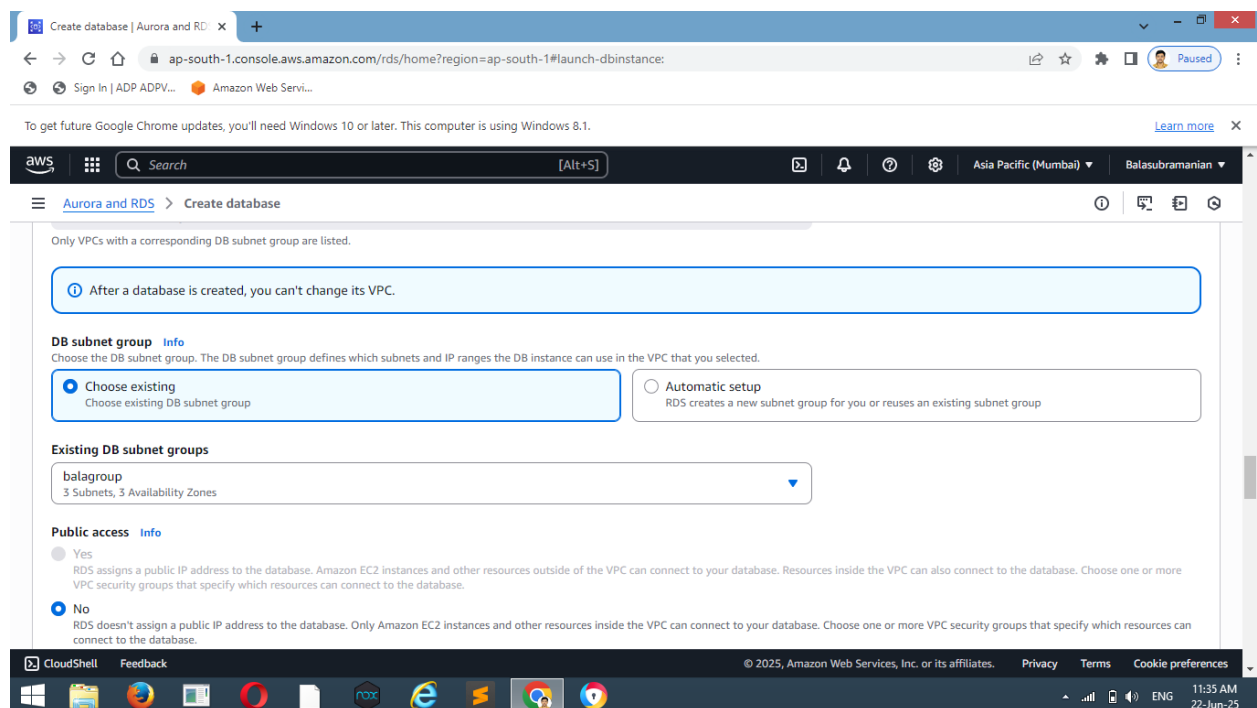
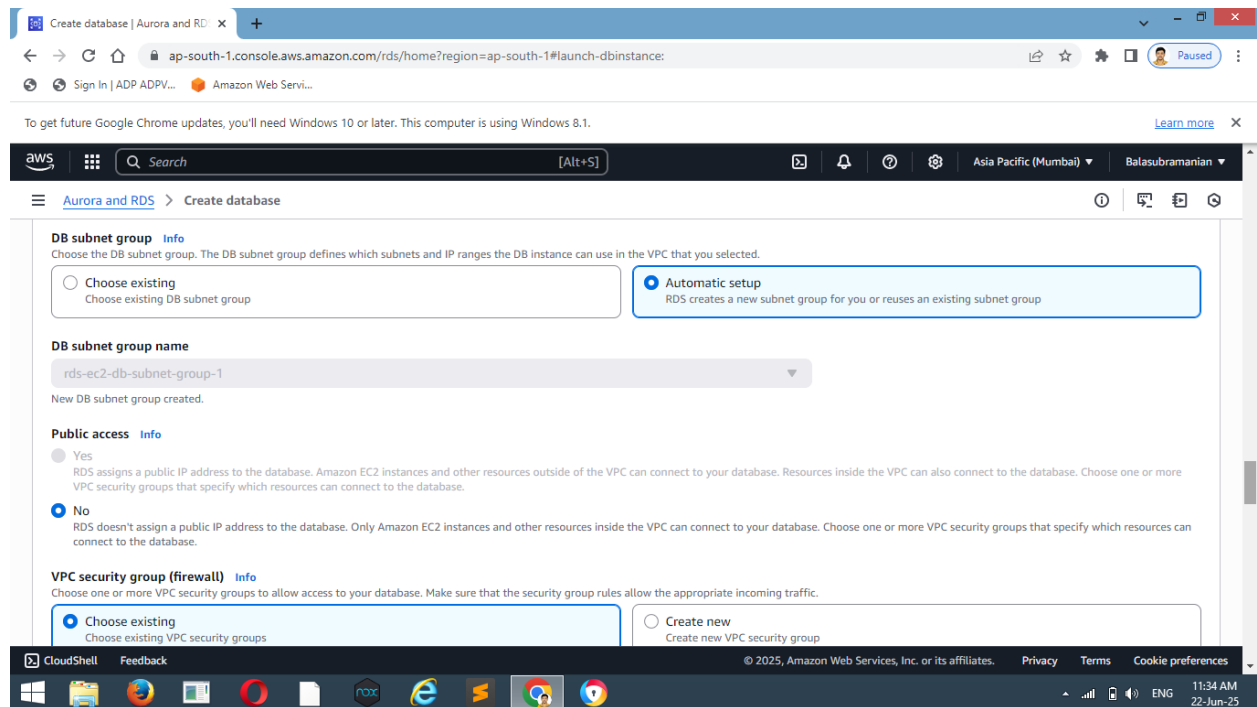
https://ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance

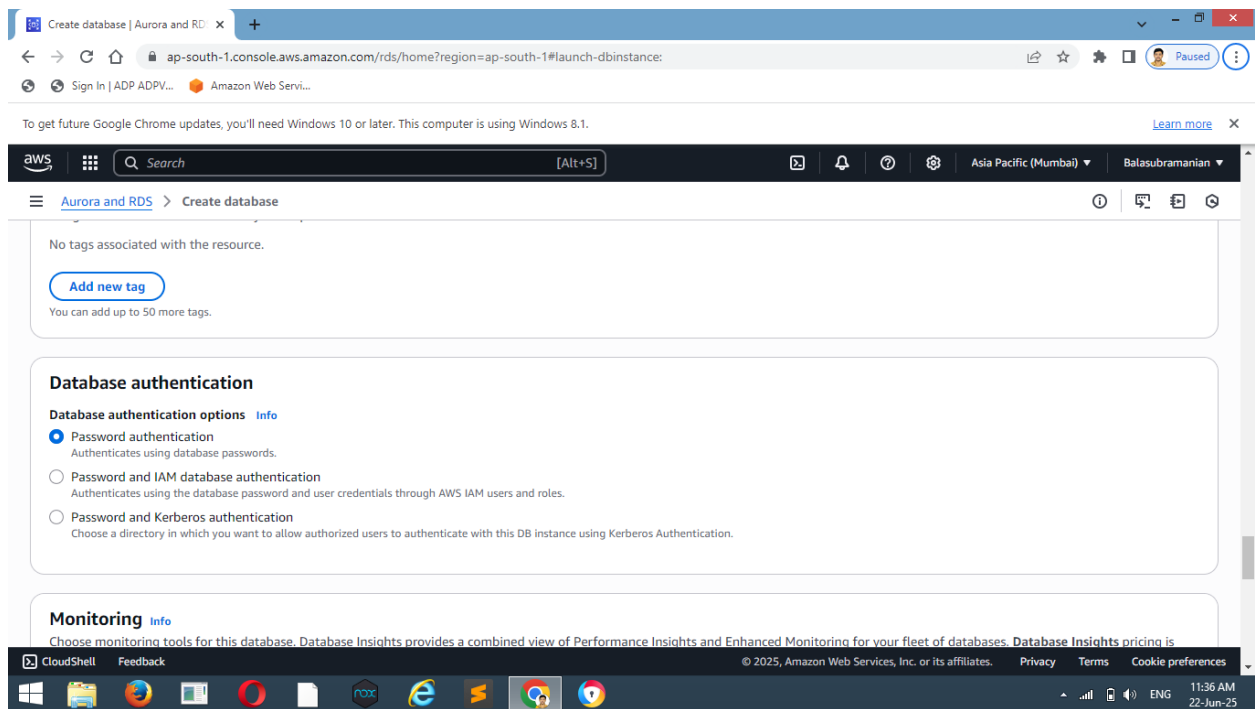
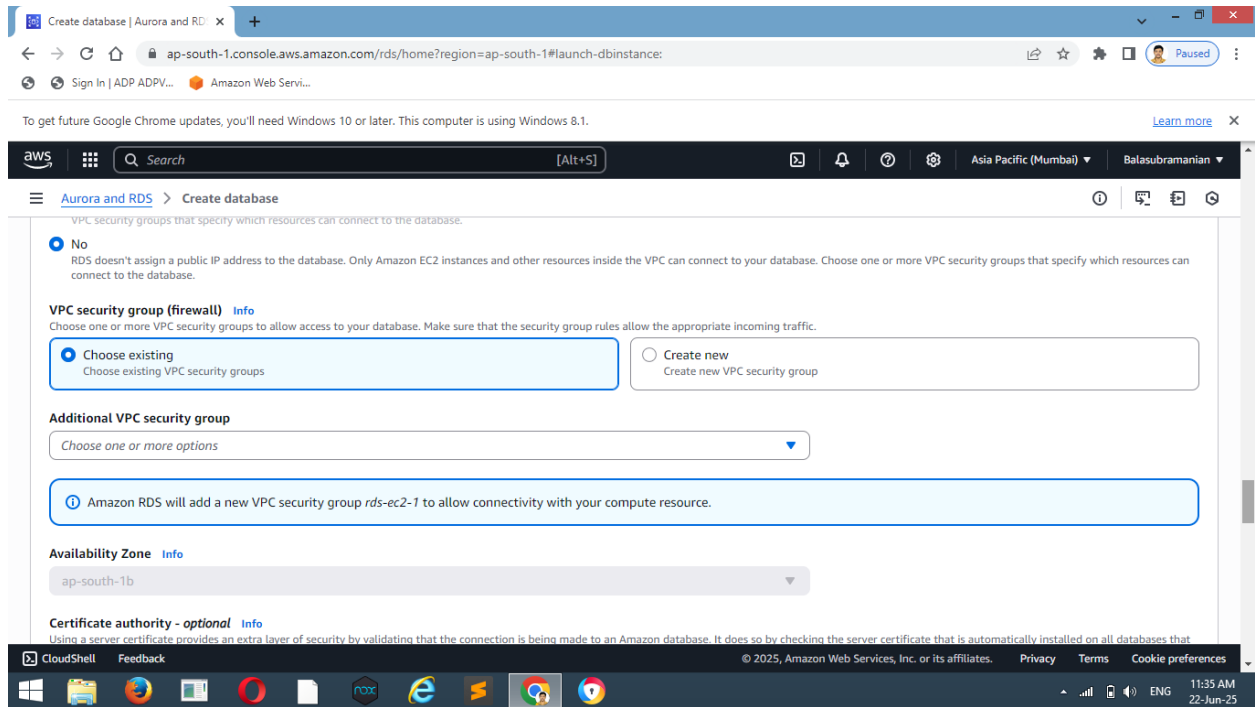
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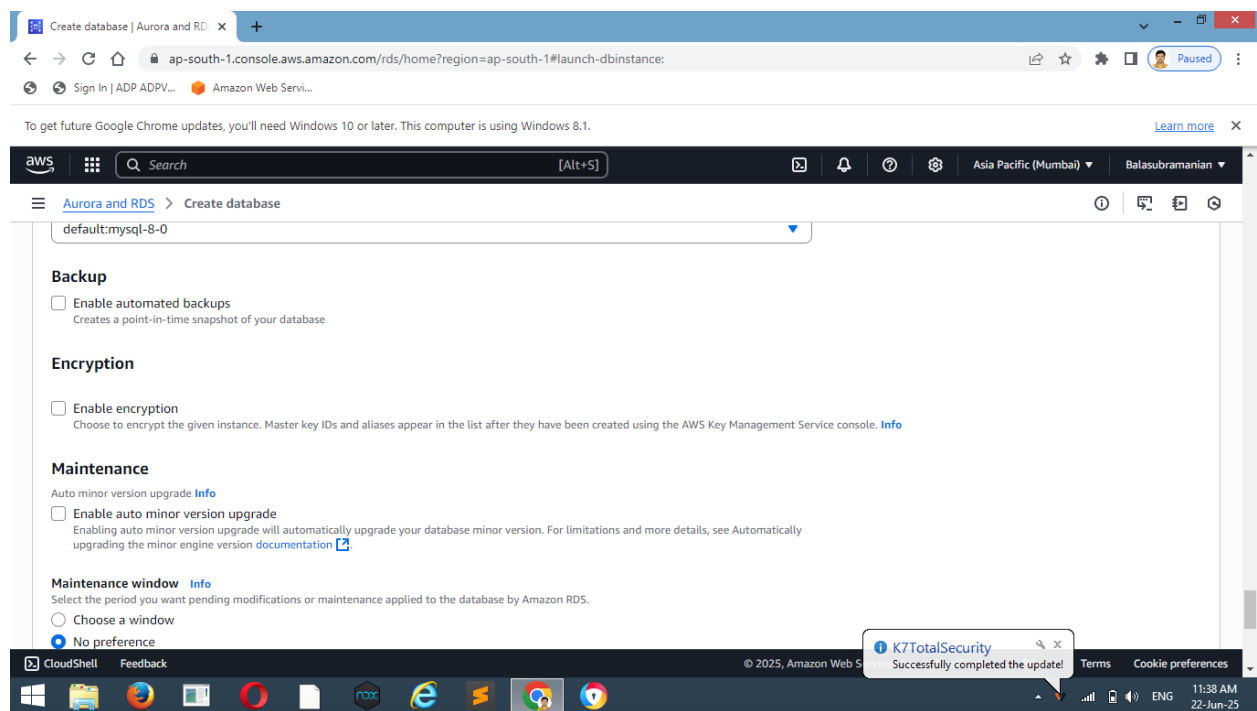
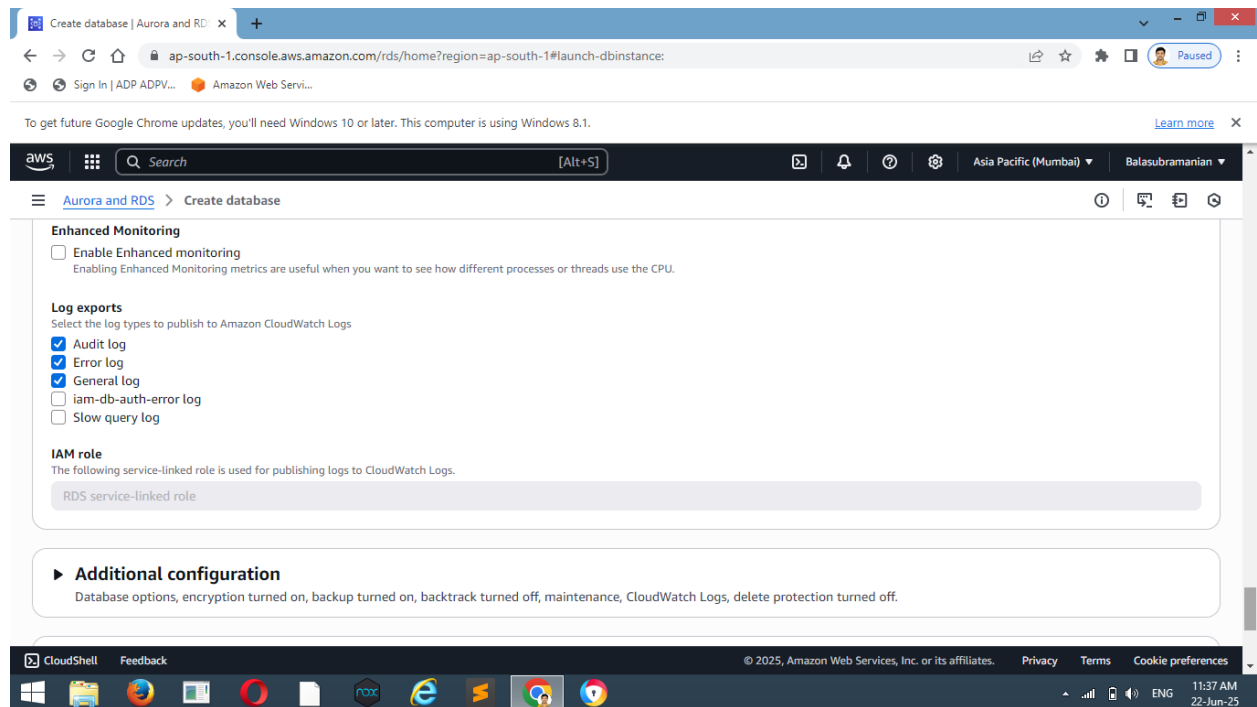












Create database | Aurora and RDS

ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#launch-dbinstance:

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Aurora and RDS > Create database

☐ Enable deletion protection
Protects the database from being deleted accidentally. While this option is enabled, you can't delete the database.

Estimated monthly costs

The Amazon RDS Free Tier is available to you for 12 months. Each calendar month, the free tier will allow you to use the Amazon RDS resources listed below for free:

- 750 hrs of Amazon RDS in a Single-AZ db.t2.micro, db.t3.micro or db.t4g.micro Instance.
- 20 GB of General Purpose Storage (SSD).
- 20 GB for automated backup storage and any user-initiated DB Snapshots.

[Learn more about AWS Free Tier.](#)

When your free usage expires or if your application use exceeds the free usage tiers, you simply pay standard, pay-as-you-go service rates as described in the [Amazon RDS Pricing page.](#)

☐ You are responsible for ensuring that you have all of the necessary rights for any third-party products or services that you use with AWS services.

Cancel **Create database**

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Databases | Aurora and RDS | ap-south-1

ap-south-1.console.aws.amazon.com/rds/home?region=ap-south-1#databases:

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Aurora and RDS > Databases

Aurora and RDS

- Dashboard
- Databases**
- Query editor
- Performance insights
- Snapshots
- Exports in Amazon S3
- Automated backups
- Reserved instances
- Proxies
- Subnet groups
- Parameter groups
- Option groups
- Custom engine versions

Creating database balainstance [View credential details](#)

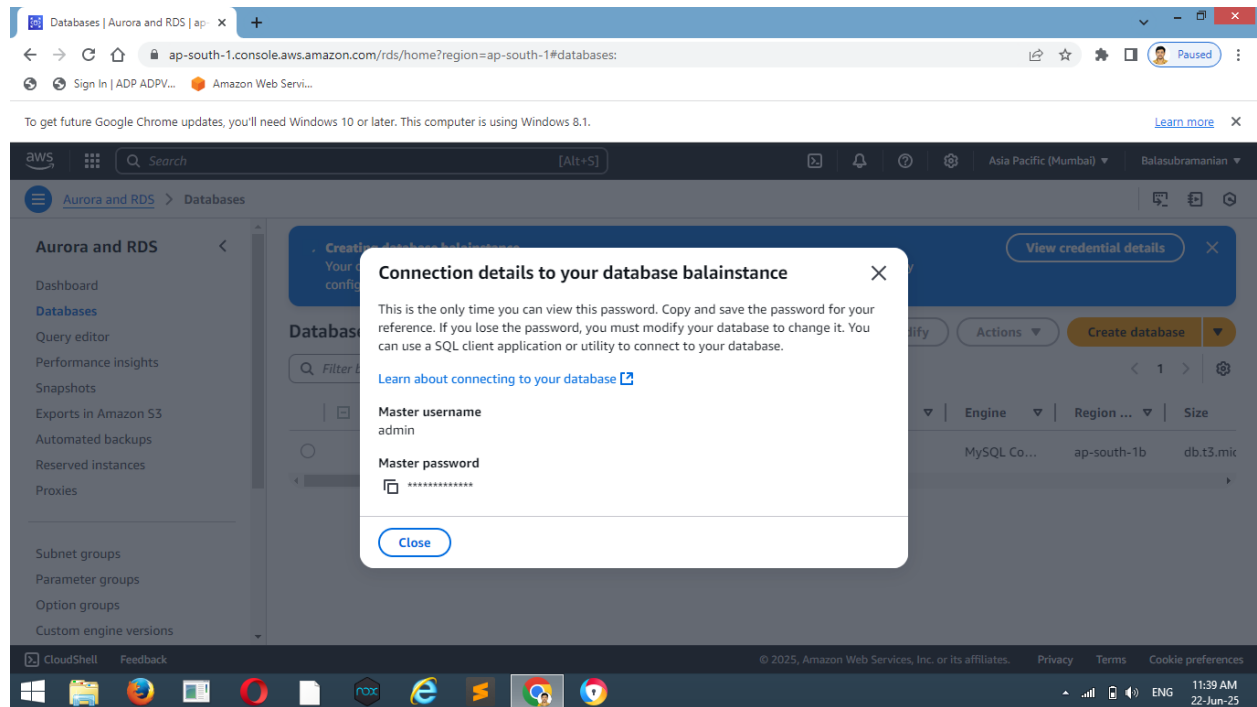
Your database might take a few minutes to launch. You can use settings from balainstance to simplify configuration of **suggested database add-ons** while we finish creating your DB for you.

Databases (1) ☒ Group resources [Modify](#) [Actions](#) **Create database**

<input type="checkbox"/> DB identifier	Status	Role	Engine	Region ...	Size
balainstance	Creating	Instance	MySQL Co...	ap-south-1b	db.t3.mik

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STEP 4: GATHERING CONNECTION DETAILS TO OUR DATABASE CREDENTIALS



STEP 5: SUCCESSFULLY SETUP A CONNECTION BETWEEN DATABASE AND EC2 INSTANCE

