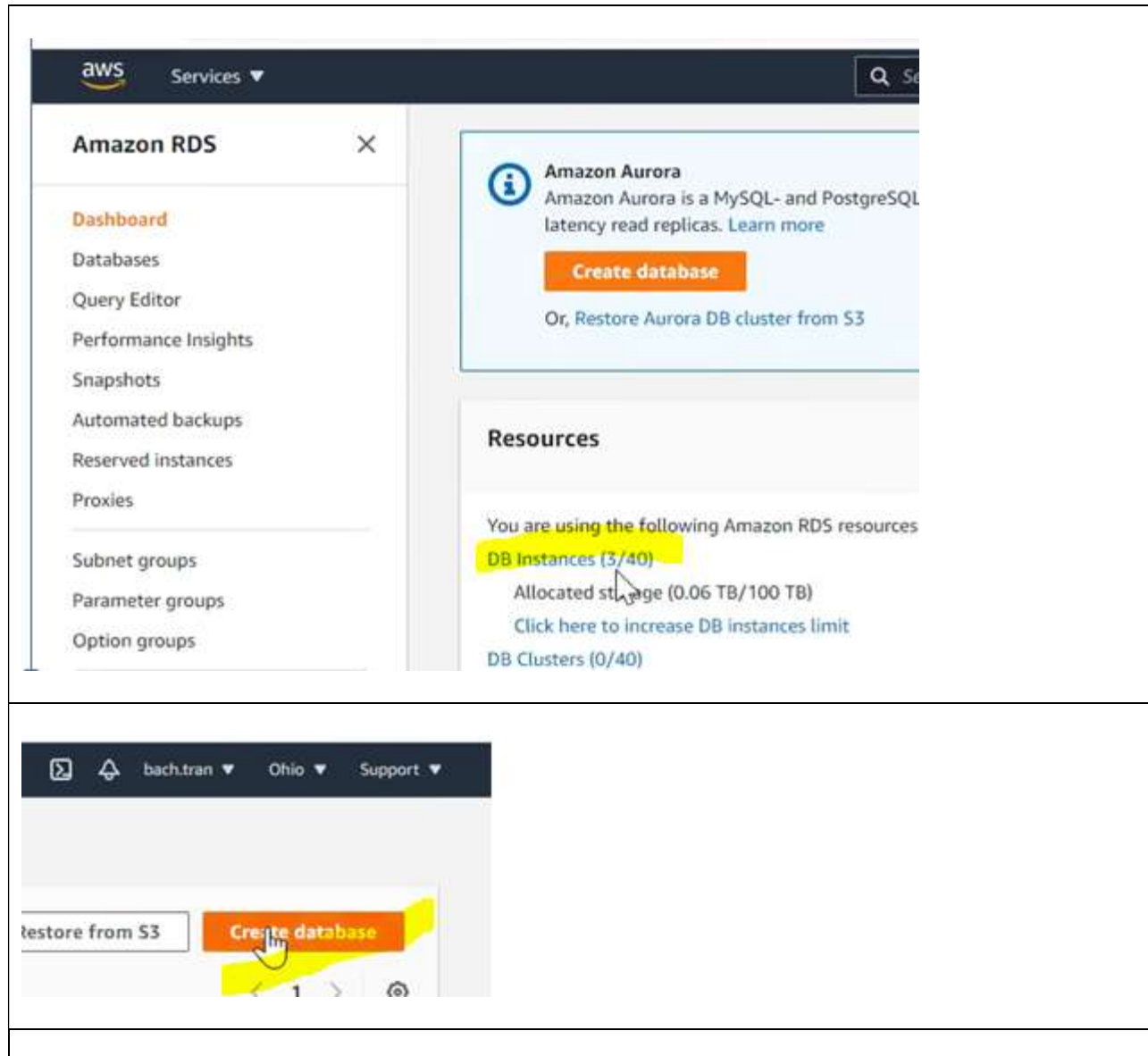


Amazon RDS

Create database instance



Create database

Choose a database creation method [Info](#)

☒ **Standard create**

You set all of the configuration options, including ones for availability, security, backups, and maintenance.

☐ **Easy create**

Use recommended best-practice configurations. Some configuration options can be changed after the database is created.

Engine options

Engine type [Info](#)

☐ Amazon Aurora



☐ MySQL



☒ MariaDB



☐ PostgreSQL



☐ Oracle



☐ Microsoft SQL Server



Engine options

Engine type [Info](#)

☐ Amazon Aurora



☐ MySQL



☒ MariaDB



☐ PostgreSQL



☐ Oracle

ORACLE

☐ Microsoft SQL Server



Version

MariaDB 10.4.13



Templates

Choose a sample template to meet your use case.

☐ Production

Use defaults for high availability and fast, consistent performance.

☐ Dev/Test

This instance is intended for development use outside of a production environment.

☒ Free tier



Use RDS Free Tier to develop new applications, test existing applications, or gain hands-on experience with Amazon RDS.

[Info](#)

Type a name for your DB instance. The name must be unique across all DB instances owned by your AWS account in the current AWS Region.

database-3

The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 60 alphanumeric characters or hyphens. First character must be a letter. Can't contain two consecutive hyphens. Can't end with a hyphen.

▼ Credentials Settings

Master username [Info](#)

Type a login ID for the master user of your DB instance.

admin

1 to 16 alphanumeric characters. First character must be a letter

☐ Auto generate a password

Amazon RDS can generate a password for you, or you can specify your own password

Master password [Info](#)

Constraints: At least 8 printable ASCII characters. Can't contain any of the following: / (slash), ' (single quote), " (double quote) and @ (at sign).

Confirm password [Info](#)

DB instance class

DB instance class [Info](#)

Choose a DB instance class that meets your processing power and memory requirements. The DB instance class options below are limited to those supported by the engine you selected above.

- ☐ Standard classes (includes m classes)
- ☐ Memory optimized classes (includes r and x classes)
- ☒ Burstable classes (includes t classes)

db.t2.micro

1 vCPUs

1 GiB RAM

Not EBS Optimized

☐ Include previous generation classes

Only one allowed on Free Tier

Storage

Storage type [Info](#)

General Purpose (SSD) ▼

Allocated storage

20

GiB

(Minimum: 20 GiB, Maximum: 16,384 GiB) Higher allocated storage **may improve** IOPS performance.

Storage autoscaling [Info](#)

Provides dynamic scaling support for your database's storage based on your application's needs.

☒ **Enable storage autoscaling**

Enabling this feature will allow the storage to increase once the specified threshold is exceeded.

Maximum storage threshold [Info](#)

Charges will apply when your database autoscales to the specified threshold

1000

GiB

Minimum: 21 GiB, Maximum: 16,384 GiB

Uncheck "Enable storage autoscaling"

Storage

Storage type [Info](#)

General Purpose (SSD) ▼

Allocated storage

20

GiB

(Minimum: 20 GiB, Maximum: 16,384 GiB) Higher allocated storage **may improve** IOPS performance.

Storage autoscaling [Info](#)

Provides dynamic scaling support for your database's storage based on your application's needs.

☐ **Enable storage autoscaling**

Enabling this feature will allow the storage to increase once the specified threshold is exceeded.

Connectivity



Virtual private cloud (VPC) [Info](#)

VPC that defines the virtual networking environment for this DB instance.

Default VPC (vpc-ac0f30c4) ▼

Only VPCs with a corresponding DB subnet group are listed.

After a database is created, you can't change the VPC selection.

Subnet group [Info](#)

DB subnet group that defines which subnets and IP ranges the DB instance can use in the VPC you selected.

default ▼

Public access [Info](#)

☒ Yes

Amazon EC2 instances and devices outside the VPC can connect to your database. Choose one or more VPC security groups that specify which EC2 instances and devices inside the VPC can connect to the database.

☐ No

RDS will not assign a public IP address to the database. Only Amazon EC2 instances and devices inside the VPC can connect to your database.

VPC security group

VPC security group

Choose a VPC security group to allow access to your database. Ensure that the security group rules allow the appropriate incoming traffic.

☒ Choose existing

Choose existing VPC security groups

☐ Create new

Create new VPC security group

Existing VPC security groups

Choose VPC security groups ▼

default X

VPC security group

Choose a VPC security group to allow access to your database. Ensure that the security group rules allow the appropriate incoming traffic.



Choose existing

Choose existing VPC security groups



Create new

Create new VPC security group

New VPC security group name

210712-jwa

Availability Zone [Info](#)

No preference

► Additional configuration

▼ Additional configuration

Database port [Info](#)

TCP/IP port that the database will use for application connections.

3306

Changed his mind and has us create new

▼ Additional configuration

Database options, backup disabled, backtrack disabled, Enhanced Monitoring disabled, maintenance, Cloud protection disabled

Database options

Initial database name [Info](#)

training

If you do not specify a database name, Amazon RDS does not create a database.

DB parameter group [Info](#)

default.mariadb10.4

Option group [Info](#)

default:mariadb-10-4

Backup

☐ Enable automated backups

Creates a point-in-time snapshot of your database

Enter initial name


Uncheck "Enable automated backups"

- ☐ Audit log
- ☐ Error log
- ☐ General log
- ☐ Slow query log

IAM role

The following service-linked role is used for publishing logs to CloudWatch Logs.

RDS service-linked role

 Ensure that general, slow query, and audit logs are turned on. Error logs are enabled by default. [Learn more](#)

Maintenance

Auto minor version upgrade [Info](#)

☒ Enable auto minor version upgrade

Enabling auto minor version upgrade will automatically upgrade to new minor versions as they are released. The automatic upgrades occur during the maintenance window for the database.

Maintenance window [Info](#)

Select the period you want pending modifications or maintenance applied to the database by Amazon RDS.

- ☐ Select window
- ☒ No preference

Deletion protection

☐ Enable deletion protection

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

Leave rest alone

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 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

Create database

Creating database database-3

Your database might take a few minutes to launch.

RDS > Databases

Databases

☒ Group resources



Modify

Actions

1

Filter databases

<input type="checkbox"/>	DB identifier	Role	Engine	Region & AZ	Size	Status	CPU	Current ac
<input type="radio"/>	database-1	Instance	MariaDB	us-east-2b	db.t2.micro	Stopped	1.86%	
<input type="radio"/>	database-2	Instance	PostgreSQL	us-east-2c	db.t2.micro	Stopped	5.00%	
<input type="radio"/>	database-3	Instance	MariaDB	-	db.t2.micro	Creating		
<input type="radio"/>	training-ohio	Instance	PostgreSQL	us-east-2a	db.t2.micro	Stopped	2.33%	

<input type="radio"/>	database-3	Instance	MariaDB	us-east-2b	db.t2.micro	Available		
-----------------------	------------	----------	---------	------------	-------------	-----------	--	--

database-3

Summary

DB identifier database-3	CPU -	Status Available	Class db.t2.micro
Role Instance	Current activity 0 Connections	Engine MariaDB	Region & AZ us-east-2b

Connectivity & security | Monitoring | Logs & events | Configuration | Maintenance & backups | Tags

Connectivity & security

Endpoint & port

Endpoint
database-3.clwebyd8kmnl.us-east-2.rds.amazonaws.com

Port
3306

Networking

Availability zone
us-east-2b

VPC
vpc-ac0f30c4

Subnet group
default

Subnets
subnet-31d4f359
subnet-42df1b0e
subnet-2a178a50

Security

VPC security groups
210712-jwa (sg-0931a244cd948b5 (active)

Public accessibility
Yes

Certificate authority
rds-ca-2019

Certificate authority date
August 22, 2024, 12:08 (UTC+12:0)

Connectivity & security

Endpoint & port

Endpoint
database-3.clwebyd8kmnl.us-east-2.rds.amazonaws.com

Port
3306

Copy endpoint to create DBeaver connection

Connectivity & security

Monitoring

Logs & events

Configuration

Maintenance & backups

Tags

Connectivity & security

Endpoint & port

Endpoint

database-3.clwebyd8kmnlus-east-2.rds.amazonaws.com

Port

3306

Networking

Availability zone

us-east-2b

VPC

vpc-ac0f30c4

Subnet group

default

Subnets

subnet-31d4f359

subnet-42df1b0e

subnet-2a178a50

Security

VPC security groups

210712-jwa (sg-0931a244cd948b850)

(active)

Public accessibility

Yes

Certificate authority

rds-ca-2019

Certificate authority date

August 22, 2024, 12:08 (UTC+12:08)

Security Groups (1/1) Info

Filter security groups

search: sg-0931a244cd948b850 X

Clear filters

<input checked="" type="checkbox"/>	Name	Security group ID	Security group name	VPC ID	Description	Owner
<input checked="" type="checkbox"/>	-	sg-0931a244cd948b850	210712-jwa	vpc-ac0f30c4	Created by RDS manag...	16

sg-0931a244cd948b850 - 210712-jwa

Details

Inbound rules

Outbound rules

Tags

Details

Security group name

210712-jwa

Security group ID

sg-0931a244cd948b850

Description

Created by RDS management console

Owner

168116352293

Inbound rules count

1 Permission entry

Outbound rules count

1 Permission entry

sg-0931a244cd948b850 - 210712-jwa

Details **Inbound rules** Outbound rules Tags

Inbound rules (1/1) Manage tags Edit inbound rules

Filter security group rules

<input checked="" type="checkbox"/>	Name	Security group rule...	IP version	Type	Protocol	Port range	Source	Description
<input checked="" type="checkbox"/>	-	sgr-0419a7c678a92b5...	IPv4	MySQL/Aurora	TCP	3306	136.49.37.214/32	-

Edit inbound rules info

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

Inbound rules info

Security group rule ID: sgr-0419a7c678a92b546

Type: MySQL/Aurora

Protocol: TCP

Port range: 3306

Source: Custom

Description - optional

Add rule Delete 136.49.37.214/32 X

Cancel Preview changes Save rules

RDS > Databases > database-3

database-3 Bach Tran Modify

Summary

DB identifier database-3	CPU 1.69%	Status Available	Class db.t2.micro
Role Instance	Current activity 0 Connections	Engine MariaDB	Region & AZ us-east-2b

Connectivity & security **Monitoring** Logs & events Configuration Maintenance & backups Tags

Connectivity & security

Endpoint & port	Networking	Security
Endpoint database-3.chwebyd8kml.us-east-2.rds.amazonaws.com	Availability zone us-east-2b	VPC security groups 210712-jwa-sg-0931a244cd948b850 (active)
Port 3306	VPC vpc-ac0f30c4	Public accessibility Yes
	Subnet group default	Certificate authority rds-ca-2019
	Subnets subnet-31d4f359 subnet-42df1b0e subnet-2a178a50	Certificate authority date August 22, 2024, 12:08 (UTC+12:08)

Navigate back to this page and click VPC security groups

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

Filter security groups

search: sg-0931a244cd948b850 X Clear filters

<input checked="" type="checkbox"/>	Name	Security group ID	Security group name	VPC ID	Description	Owner	Inbound rules count	Outbound rules co...
<input checked="" type="checkbox"/>	-	sg-0931a244cd948b850	210712-jwa	vpc-ac0f30c4	Created by RDS manag...	168116352293	0 Permission entries	1 Permission entry

sg-0931a244cd948b850 - 210712-jwa

Details **Inbound rules** Outbound rules Tags

Inbound rules

Filter security group rules

Manage tags Edit inbound rules

< 1 > ⌂

Inbound rules [Info](#)

Security group rule ID Type [Info](#) Protocol [Info](#) Port range [Info](#) Source [Info](#)

- Custom TCP TCP 3306 My IP 136.49.37.214/32 X

Add rule

Just from a specific (My IP)

cloud provider market share - G... X 18819.jpeg (1200x1200) X RDS Management Console X EC2 Management Console X What Is My IP? Quickly See My IP X +

us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#ModifyInboundSecurityGroupRules:securityGroupId=sg-0931a244cd948b850

Services Search for services, features, marketplace products, and docs [Alt+S]

EC2 > Security Groups > sg-0931a244cd948b850 - 210712-jwa > 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](#)

- Custom TCP TCP 3306 Anywhere-I... 0.0.0.0/0 X

Add rule

From any internet ip
Click Save Rules

<div><div><div>DBaver 21.1.3</div><div>File Edit Navigate Search SQL Editor Database Window Help</div><div><div>Database Navigator</div><div>Projects</div><div>Enter a part of object name here</div><div>localhost - localhost:3306</div></div></div><div><div>Connect to a database</div><div>MariaDB connection settings</div><div>Main Driver properties SSH Proxy SSL</div><div>Server</div><div>Server Host: database-3-clwebyd8kml.us-east-2.rds.amazonaws.com Port: 3306</div><div>Database: training</div><div>Authentication (Database Native)</div><div>Username: admin</div><div>Password: ***** <input checked="" type="checkbox"/> Save password locally</div><div>Advanced</div><div>Server Time Zone: Auto-detect</div><div>Local Client: MySQL Binaries</div><div><div><div>① You can use variables in connection parameters.</div><div>Connection details (name, type, ...)</div></div><div>Driver name: MariaDB <div>Edit Driver Settings</div></div><div><div>Test Connection ...</div><div>< Back</div><div>Next ></div><div>Finish</div><div>Cancel</div></div></div></div></div>

Enter Connection endpoint as Server Host
Database name from AWS
Username from AWS admin
Password from AWS

