

DESAFÍO ENTREGABLE III

Crear una base de datos MySQL con Amazon RDS

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INTRODUCCION

El presente informe tiene como finalidad la resolución del Desafío Entregable N°3 correspondiente al curso de Cloud Computing (AWS) de Coderhouse.

El mismo consiste en:

- Se deberá crear una instancia del motor de bases de datos MySQL en Amazon RDS.

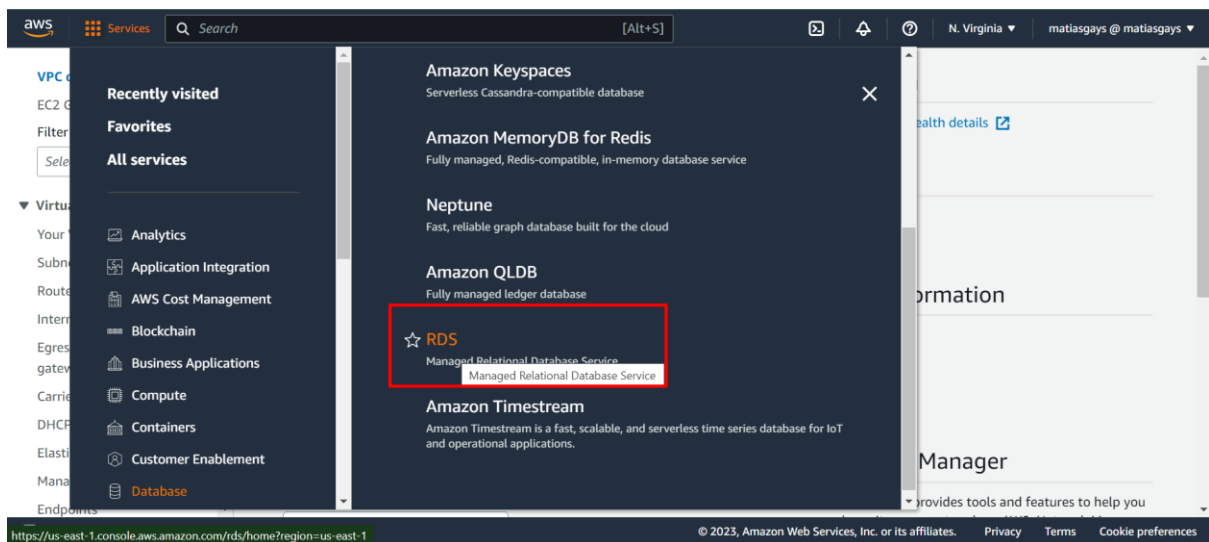
DESARROLLO

Para la resolución del ejercicio se utilizó el link (<https://aws.amazon.com/es/getting-started/hands-on/create-mysql-db/>) y se siguieron los pasos correspondientes al apartado “Create a MySQL DB Instance”.

Ejercicio

PASO 1: INICIO DE SESIÓN EN LA CONSOLA DE AWS CON MIS CREDENCIALES

PASO 2: ACCESO AL SERVICIO DE AMAZON RDS



PASO 3: CREACIÓN UNA BASE DE DATOS

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Amazon 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

RDS > Databases

Consider creating a Blue/Green Deployment to minimize downtime during upgrades

You may want to consider using Amazon RDS Blue/Green Deployments and minimize your downtime during upgrades. A Blue/Green Deployment provides a staging environment for changes to production databases. [RDS User Guide](#) [Aurora User Guide](#)

Databases ☒ Group resources

Filter by databases

DB identifier	Role	Engine	Region & AZ	Size	Status
No instances found					

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Create database

Choose a database creation method

☒ **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

☐ Aurora (MySQL Compatible) ☐ Aurora (PostgreSQL Compatible) ☒ **MySQL**

☐ MariaDB ☐ PostgreSQL ☐ Oracle

MySQL

MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.

- Supports database size up to 64 TiB.
- Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
- Supports automated backup and point-in-time recovery.
- Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.

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MySQL Community

Known issues/limitations

Review the [Known issues/limitations](#) to learn about potential compatibility issues with specific database versions.

Hide filters

☐ Show versions that support the Multi-AZ DB cluster
Create a Multi-AZ DB cluster with one primary DB instance and two readable standby DB instances. Multi-AZ DB clusters provide up to 2x faster transaction commit latency and automatic failover in typically under 35 seconds.

☐ Show versions that support the Amazon RDS Optimized Writes
Amazon RDS Optimized Writes improves write throughput by up to 2x at no additional cost.

Engine Version
MySQL 8.0.32

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.

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db.t2.micro

1 vCPUs 1 GiB RAM Not EBS Optimized

☒ Include previous generation classes

Storage

Storage type [Info](#)

General Purpose SSD (gp2)

Baseline performance determined by volume size

Allocated storage [Info](#)

20

GiB

The minimum value is 20 GiB and the maximum value is 6,144 GiB

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 after the specified threshold is exceeded.

Connectivity [Info](#)

Compute resource

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Database authentication

Database authentication options [Info](#)

☒ Password authentication

Authenticates using database passwords.

☐ Password and IAM database authentication

Authenticates using the database password and user credentials through AWS IAM users and roles.

☐ Password and Kerberos authentication

Choose a directory in which you want to allow authorized users to authenticate with this DB instance using Kerberos Authentication.

Monitoring

Monitoring

☐ Enable Enhanced monitoring

Enabling Enhanced monitoring metrics are useful when you want to see how different processes or threads use the CPU.

► Additional configuration

Database options, backup turned on, backtracking turned off, maintenance, CloudWatch Logs, delete protection turned off.

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Additional configuration

Database options, backup turned off, backtrack turned off, maintenance, CloudWatch Logs, delete protection turned off.

Database options

Initial database name [Info](#)

coderTest

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

DB parameter group [Info](#)

default:mysql8.0

Option group [Info](#)

default:mysql-8-0

Backup

☐ Enable automated backups

Creates a point-in-time snapshot of your database.

Log exports

Select the log types to publish to Amazon CloudWatch Logs

☐ Audit log

☐ Error log

☐ General log

☐ Slow query log

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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.

☐ Choose a 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.

Estimated monthly costs

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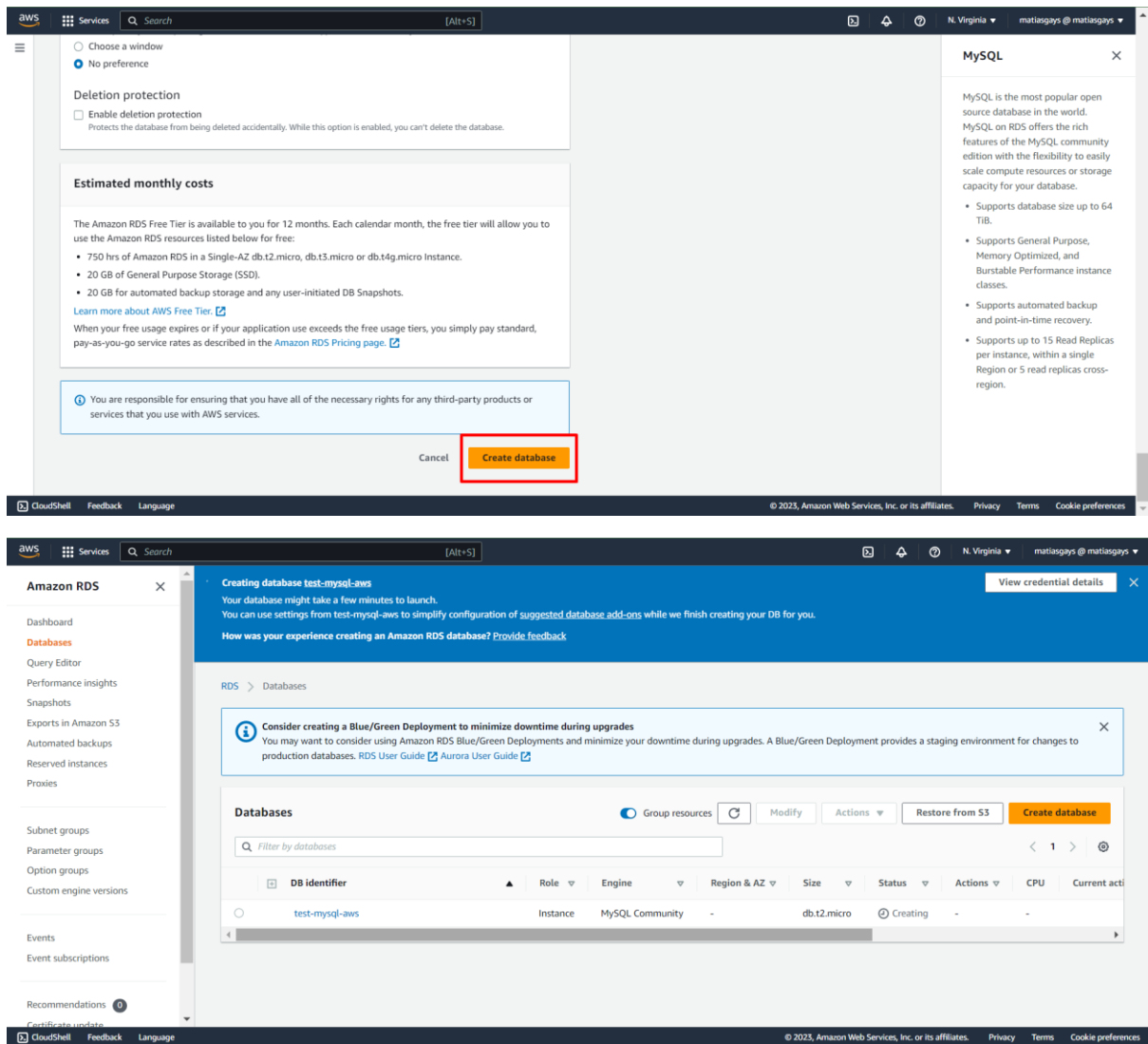
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Fe de erratas: se tuvo que crear una nueva VPC con dos zonas de disponibilidad para que me permita la creación de la base de datos