

Primero creamos el RDS de Aurora.

RDS

>

Create database

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**


Edition

☒ **Amazon Aurora MySQL-Compatible Edition**

☐ **Amazon Aurora PostgreSQL-Compatible Edition**

▼ **hide filters**

- ☐ **Show versions that support the global database feature**
Allows a single Amazon Aurora database to span multiple AWS Regions.
- ☐ **Show versions that support the parallel query feature**
Improves the performance of analytic queries by pushing processing down to the Aurora storage layer.
- ☐ **Show versions that support Serverless v2**
Offers instance scaling for even the most demanding workloads.

Available versions (44/45) [Info](#)

Aurora (MySQL 5.7) 2.10.2 ▼

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.

Settings

DB cluster identifier [Info](#)

Enter a name for your DB cluster. The name must be unique across all DB clusters owned by your AWS account in the current AWS Region.

pjsanchez-aurora-db

The DB cluster identifier is case-insensitive, but is stored as all lowercase (as in "mydbcluster"). 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.

1 to 32 alphanumeric characters. First character must be a letter.

- ☐ **Manage master credentials in AWS Secrets Manager - *new***
Manage master user credentials in Secrets Manager. RDS can generate a password for you and manage it throughout its lifecycle.
- ☐ **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 master password [Info](#)

Instance configuration

The DB instance configuration options below are limited to those supported by the engine that you selected above.

DB instance class [Info](#)

- ☐ Memory optimized classes (includes r classes)
- ☒ Burstable classes (includes t classes)

2 vCPUs 2 GiB RAM Network: 2085 Mbps



☐ Include previous generation classes

Connectivity [Info](#)



Compute resource

Choose whether to set up a connection to a compute resource for this database. Setting up a connection will automatically change connectivity settings so that the compute resource can connect to this database.

- ☒ **Don't connect to an EC2 compute resource**
Don't set up a connection to a compute resource for this database. You can manually set up a connection to a compute resource later.

- ☐ **Connect to an EC2 compute resource**
Set up a connection to an EC2 compute resource for this database.

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

Choose the VPC. The VPC defines the virtual networking environment for this DB cluster.

pjsanchez-vpc (vpc-0dcb454754e8151ce)

Only VPCs with a corresponding DB subnet group are listed.

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

DB subnet group [Info](#)

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

default-vpc-0dcb454754e8151ce

Public access [Info](#)

- ☒ **Yes**
RDS assigns a public IP address to the cluster. Amazon EC2 instances and other resources outside of the VPC can connect to your cluster. Resources inside the VPC can also connect to the cluster. Choose one or more VPC security groups that specify which resources can connect to the cluster.
- ☐ **No**
RDS doesn't assign a public IP address to the cluster. Only Amazon EC2 instances and other resources inside the VPC can connect to your cluster. Choose one or more VPC security groups that specify which resources can connect to the cluster.

VPC security group (firewall) [Info](#)

Choose one or more VPC security groups to allow access to your database. Make sure 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 one or more options

pjsanchez-rds-sec-group X

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.

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, encryption turned on, failover, backup turned on, backtrack turned off, maintenance, CloudWatch Logs, delete protection turned off.

Database options

Initial database name [Info](#)

pjsanchezdb

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

DB cluster parameter group [Info](#)

default:aurora-mysql5.7 ▼

DB parameter group [Info](#)

default:aurora-mysql5.7 ▼

Option group [Info](#)

default:aurora-mysql-5-7 ▼

Failover priority

No preference ▼

No preference ▼

Backup

Backup retention period [Info](#)

The number of days (1-35) for which automatic backups are kept.

1 ▼

day

☒ Copy tags to snapshots

Encryption

☐ Enable encryption

Choose to encrypt the given instance. Master key IDs and aliases appear in the list after they have been created using the AWS Key Management Service console. [Info](#)

Backtrack

Backtrack lets you quickly rewind the DB cluster to a specific point in time, without having to create another DB cluster. [Info](#)

☐ Enable Backtrack

Enabling Backtrack will charge you for storing the changes you make for backtracking.

Log exports

Select the log types to publish to Amazon CloudWatch Logs

☐ 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

[i](#) 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.

<input type="radio"/>	<input type="checkbox"/>	pjsanchez	Regional cluster	Aurora MySQL	eu-central-1	1 Instance	✔ Available	1 Action
<input type="radio"/>	<input type="checkbox"/>	pjsanchez-instance-1	Writer instance	Aurora MySQL	eu-central-1b	db.t3.small	✔ Available	-

Nos vamos ahora a DBMS y creamos una tarea de replicación.

Name

The name must be unique among all of your replication instances in the current AWS region.

pjsanchez-replic

Replication instance name must not start with a numeric value

Descriptive Amazon Resource Name (ARN) - optional

A friendly name to override the default DMS ARN. You cannot modify it after creation.

Description - optional

The description must only have unicode letters, digits, whitespace, or one of these symbols: _:/=+-@. 1000 maximum character.

Instance configuration

Instance class

Choose an availability zone (AZ) where you want your instance to run. The default is "No preference", meaning that AWS DMS will determine which AZ to use. [DMS pricing](#)

dms.t3.micro

2 vCPUs 1 GiB Memory

☐ Include previous-generation instance classes

Engine version

Choose an AWS DMS version to run on your replication instance. [DMS versions](#)

3.4.7

☐ Include Beta DMS versions



Upgrades to versions 3.4.7 and higher

Upgrades to AWS DMS versions 3.4.7 and higher require that you configure AWS DMS to use VPC endpoints or use public routes. This requirement applies to source and target endpoints for S3, Kinesis, Secrets Manager, DynamoDB, Amazon Redshift, and OpenSearch Service. [Learn more](#)

[View endpoints](#)

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.

Dev or test workload (Single-AZ)

Storage

Allocated storage (GiB)

Choose the amount of storage space you want for your replication instance. AWS DMS uses this storage for log files and cached transactions while replication tasks are in progress.

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Connectivity and security

Network type - new [Info](#)

To use dual-stack mode, make sure that you associate an IPv6 CIDR block with a subnet in the VPC you specify.

☒ IPv4

Replication instance with an IPv4 network type that supports IPv4 addressing.

☐ Dual-stack mode

Replication instance with a dual network type that supports both IPv4 and IPv6 addressing.

Virtual private cloud (VPC) for IPv4 [Info](#)

Choose the VPC where you want your replication instances to run. It includes VPCs in IPv4 and dual-stack mode.

pjsanchez-vpc (vpc-0dcb454754e8151ce) ▼

[Create a new 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 VPC you've chosen.

default-vpc-0dcb454754e8151ce ▼

☒ Public 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 VPC.

▼ Advanced settings

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.

No Preference ▼

VPC security groups

Choose one or more security groups for your replication instances. The security groups specify inbound and outbound rules to control

default-vpc-0dcb454754e8151ce ▼

☒ **Public 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 VPC.

▼ **Advanced settings**

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.

No Preference ▼

VPC security groups

Choose one or more security groups for your replication instances. The security groups specify inbound and outbound rules to control network access to your instance.

Choose VPC to select associated VPC security group ▼

pjsanchez-rds-sec-group



Created by RDS management console

AWS KMS key | [Info](#)

aws/dms ▼

Account

006921246751

Description

Default key that protects my DMS replication instance volumes when no other key is defined

Key ARN

arn:aws:kms:eu-central-1:006921246751:key/ef8a7d13-7826-4b26-987c-bb0ba536ca89

Ahora creamos el Endpoint de origen, es decir, nuestra BBDD de Mysql.

Antes de nada, modificamos nuestro grupo de seguridad, porque en las pruebas, filtrando por origen para la conexion a los recursos rds, no era capaz de comunicar.

VPC > Security Groups > sg-0e06c969dafee104e - pjsanchez-rds-sec-group > Edit inbound rules

Edit inbound rules [Info](#)

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

Security group rule ID	Type Info	Protocol Info	Port range Info	Source Info	Description - optional Info	
sg-0f5c572f1c8a0a2d2	MySQL/Aurora	TCP	3306	Custom	Q	Delete
				0.0.0.0/0		

[Add rule](#)

[Cancel](#) [Preview changes](#) [Save rules](#)

Create endpoint

Endpoint type [Info](#)

☒ **Source endpoint**

A source endpoint allows AWS DMS to read data from a database (on-premises or in the cloud), or from other data source such as Amazon S3.

☐ **Target endpoint**

A target endpoint allows AWS DMS to write data to a database, or to other data source.

☒ **Select RDS DB instance**

RDS Instance

Instances available only for current user and region

pjsanchez-db

Endpoint configuration

Endpoint identifier [Info](#)

A label for the endpoint to help you identify it.

pjsanchez-db

Descriptive Amazon Resource Name (ARN) - *optional*

A friendly name to override the default DMS ARN. You cannot modify it after creation.

Friendly-ARN-name

Source engine


The type of database engine this endpoint is connected to. [Learn more](#)

MySQL

Access to endpoint database

- ☐ AWS Secrets Manager
- ☒ Provide access information manually

Source engine

The type of database engine this endpoint is connected to. [Learn more](#) 

MySQL

Access to endpoint database

- ☐ AWS Secrets Manager
- ☒ Provide access information manually

Server name

The name of the data server for the data provider.

pjsanchez-db.criyp4nclu8o.eu-central-1.rds.amazonaws.com

Port

The port the database runs on for this endpoint.

3306

User name [Info](#)

admin

Password [Info](#)

Secure Socket Layer (SSL) mode

The type of Secure Socket Layer enforcement

none

► Endpoint settings

► KMS key

► Tags

► Test endpoint connection (optional)

Cancel

Create endpoint

Ahora creamos el Endpoint de destino, que es nuestra instancia de Aurora.

Create endpoint

Endpoint type [Info](#)

☐ Source endpoint

A source endpoint allows AWS DMS to read data from a database (on-premises or in the cloud), or from other data source such as Amazon S3.

☒ Target endpoint

A target endpoint allows AWS DMS to write data to a database, or to other data source.

☒ Select RDS DB instance

RDS Instance

Instances available only for current user and region

pjsanchez-instance-1 ▼

Endpoint configuration

Endpoint Identifier [Info](#)

A label for the endpoint to help you identify it.

pjsanchez-instance-1

Descriptive Amazon Resource Name (ARN) - *optional*

A friendly name to override the default DMS ARN. You cannot modify it after creation.

Friendly-ARN-name

Target engine

The type of database engine this endpoint is connected to. [Learn more](#) [↗](#)


Amazon Aurora MySQL ▼


Access to endpoint database

☐ AWS Secrets Manager

☒ Provide access information manually

Target engine

The type of database engine this endpoint is connected to. [Learn more](#) 

Amazon Aurora MySQL 

Access to endpoint database

- ☐ AWS Secrets Manager
- ☒ Provide access information manually

Server name

The name of the data server for the data provider.

pjsanchez-instance-1.criyp4nclu8o.eu-central-1.rds.amazonaws.com

Port

The port the database runs on for this endpoint.

3306

User name [Info](#)

admin

Password [Info](#)

Secure Socket Layer (SSL) mode

The type of Secure Socket Layer enforcement

none 

► Endpoint settings

Finalmente creamos nuestra tarea de migración.

DMS > Database migration tasks > Create database migration task

Create database migration task

Task configuration

Task Identifier

pjsanchez-migration-task

Descriptive Amazon Resource Name (ARN) - optional

A friendly name to override the default DMS ARN. You cannot modify it after creation.

Friendly-ARN-name

Replication Instance

pjsanchez-replication-instance - vpc-0dcb454754e8151ce

Upgrades to versions 3.4.7 and higher

You have 6 instances that use AWS DMS version 3.4.7. Upgrades to AWS DMS versions 3.4.7 and higher require that you configure AWS DMS to use VPC endpoints or use public routes. This requirement applies to source and target endpoints for these data stores: S3, Kinesis, Secrets Manager, DynamoDB, Amazon Redshift, and OpenSearch Service. [Learn more](#)

View endpoints

Source database endpoint

pjsanchez-db

Target database endpoint

pjsanchez-instance-1

Migration type

Info

Migrate existing data

pjsanchez-migration-task-full-load

Load complete

100%

Full load

pjsanchez-db

pjsanchez-instance-1

pjsanche

Ahora, para el tema de migración, no ha funcionado la replicación continua, pero sí que ha funcionado la Full load.

Es más, una vez ya migrado, lo que he hecho es cambiar un dato en la instancia MYSQL, luego lanzar de nuevo la tarea de migración, y aparece en Aurora.

The screenshot shows the AWS RDS console interface. The top navigation bar includes 'RDS' and a red 'x' icon. The main menu has 'File', 'Edit', 'View', 'Query', 'Database', 'Server', 'Tools', 'Scripting', and 'Help'. The 'Query' tab is active, showing a query editor with the text 'SELECT * FROM music.album;'. Below the query editor, the 'Result Grid' displays a list of albums. The table has columns: '#', 'id', 'artist_id', 'name', and 'year'. The data is as follows:

#	id	artist_id	name	year
1	1	1	...And Justice For All	1988
2	2	1	Black Album	1991
3	3	1	Master of Puppets	1986
4	4	2	Endgame	2009
5	5	2	Sells Peace	1986
6	6	3	This Greater of 2 Evils	2004
7	7	4	Reptile	2001
8	8	4	Riding with the King	2000
9	9	5	Greatest Hits	1992
10	10	6	Greatest Hits	2004
11	11	7	All-Time Greatest Hits	1975
12	12	8	Greatest Hits	2003
13	13	9	Sgt. Pepper's Lonely...	1967

Red arrows and numbers highlight specific elements: 1 points to the 'album' table in the Schemas list, 2 points to the 'Sells Peace' album entry in the query result, and 3 points to the 'Apply' button at the bottom right.

RDS RDS Aurora Reader

File Edit View Query Database Server Tools Scripting Help

Schemas

SCHEMAS

Filter objects

awsdms_control

music

Tables

album

artist

record_label

song

Views

Stored Procedures

Functions

pjsanchezdb

sys

Object Info Session

Table: album

Columns:

id int(10) UN PK

artist_id int(10) UN

name varchar(50)

year int(10) UN

Query 1 album

1 • SELECT * FROM music.album;

Result Grid

Filter Rows:

Edit:

#	id	artist_id	name	year
1	1	1	...And Justice For All	1988
2	2	1	Black Album	1991
3	3	1	Master of Puppets	1986
4	4	2	Endgame	2009
5	5	2	Sells Peace	1986
6	6	3	The Greater of 2 Evils	2004
7	7	4	Reptile	2001
8	8	4	Riding with the King	2000
9	9	5	Greatest Hits	1992
10	10	6	Greatest Hits	2004
11	11	7	All-Time Greatest Hits	1975
12	12	8	Greatest Hits	2003
13	13	9	Sgt. Pepper's Lonel...	1967
*				