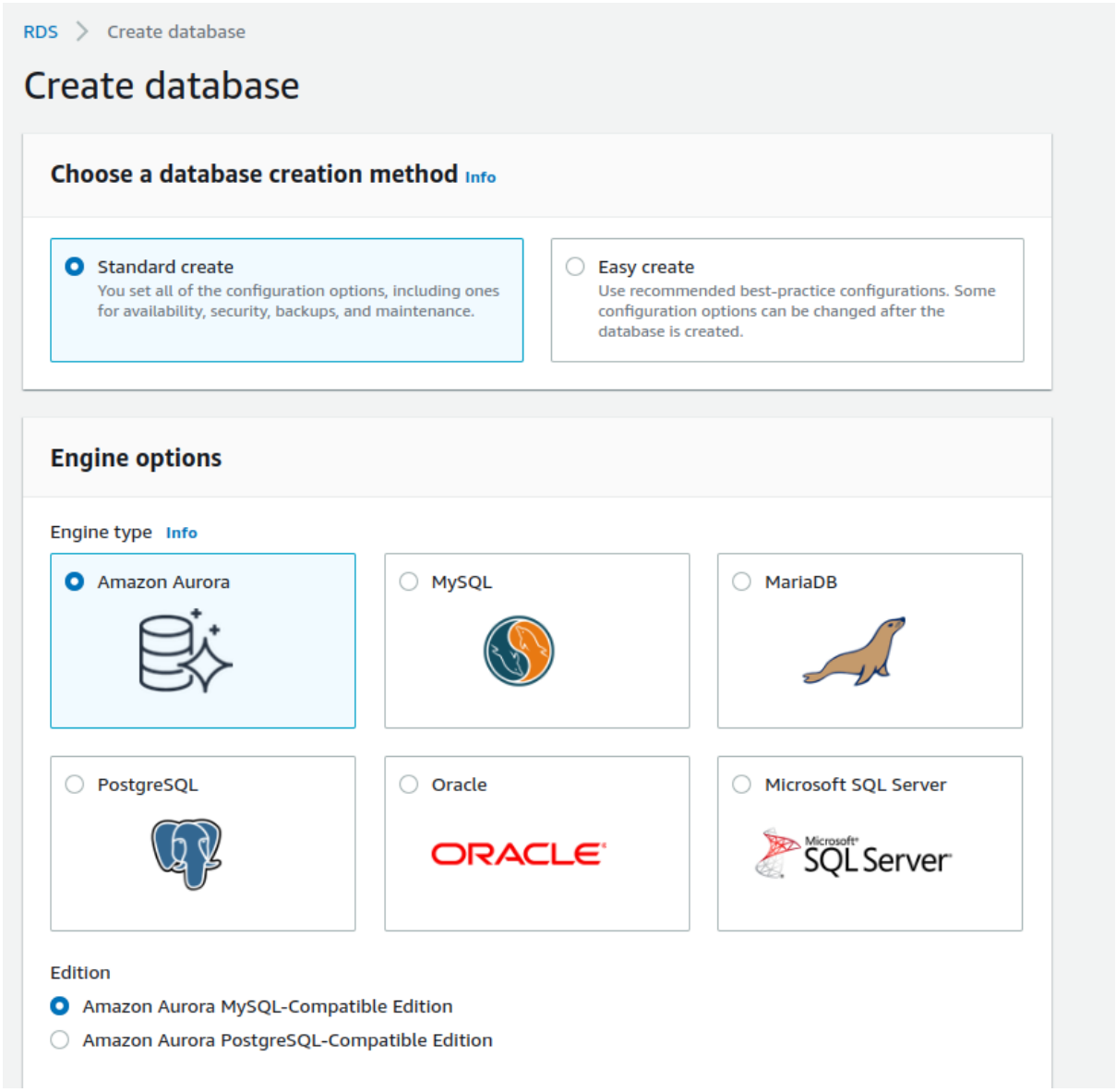
Primero creamos el RDS de Aurora.



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.

admin

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)

db.t3.small ▼

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 ✕

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

ⓘ Ensure that general, slow query, and audit logs are turned on. Error logs are enabled by default. Learn more

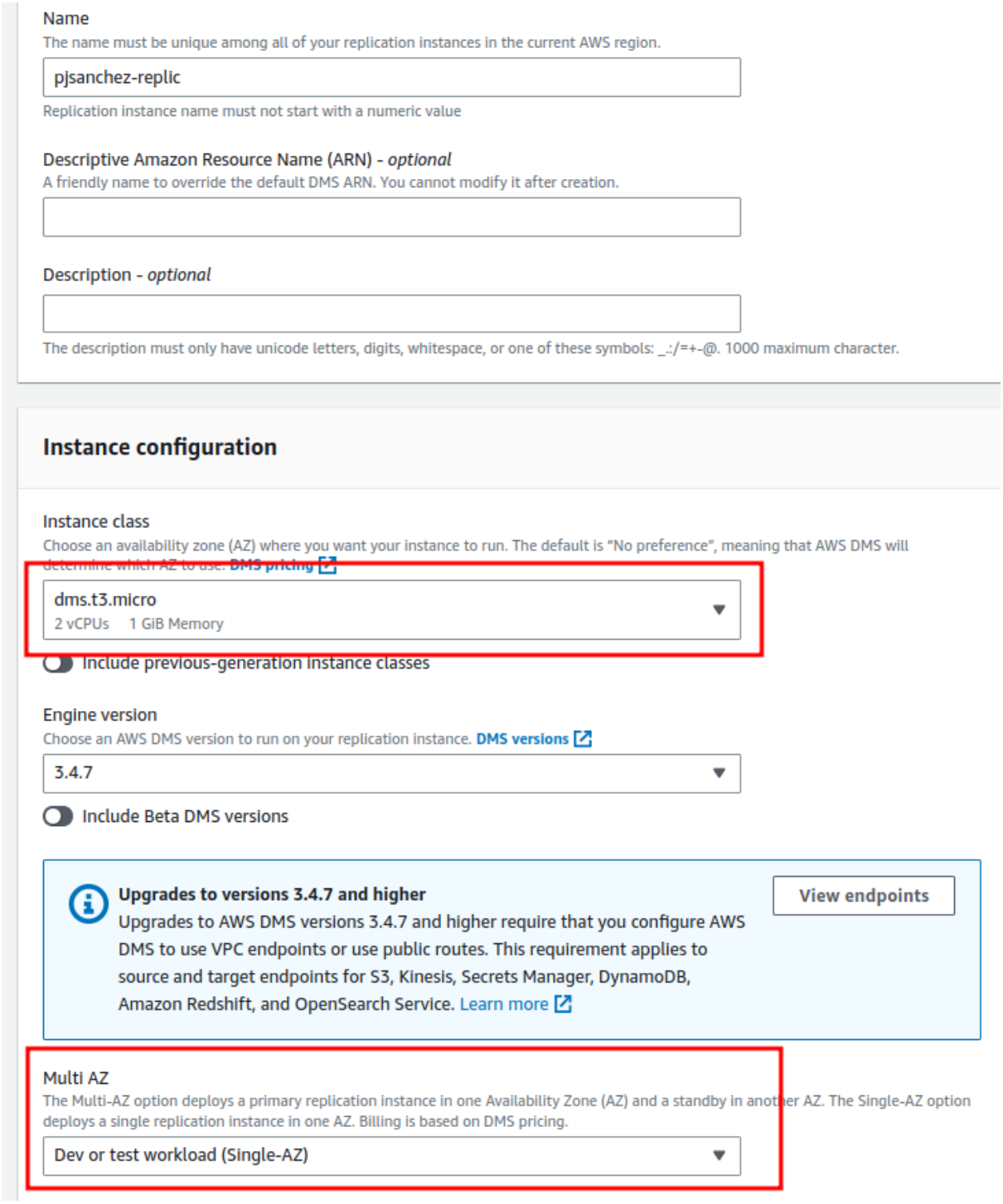
Maintenance

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.

○	⊟ pjsanchez	Regional cluster	Aurora MySQL	eu-central-1	1 instance	✓ Available	1 Action
○	└ 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.



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.

20

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

[x] 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 D 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

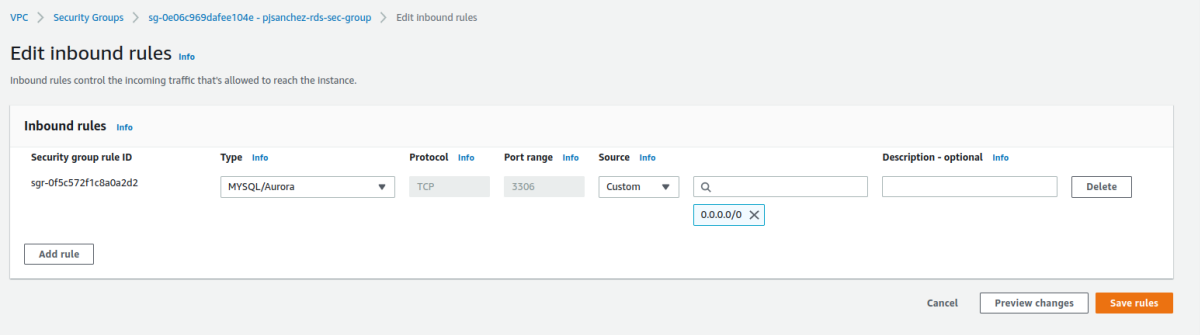
Description

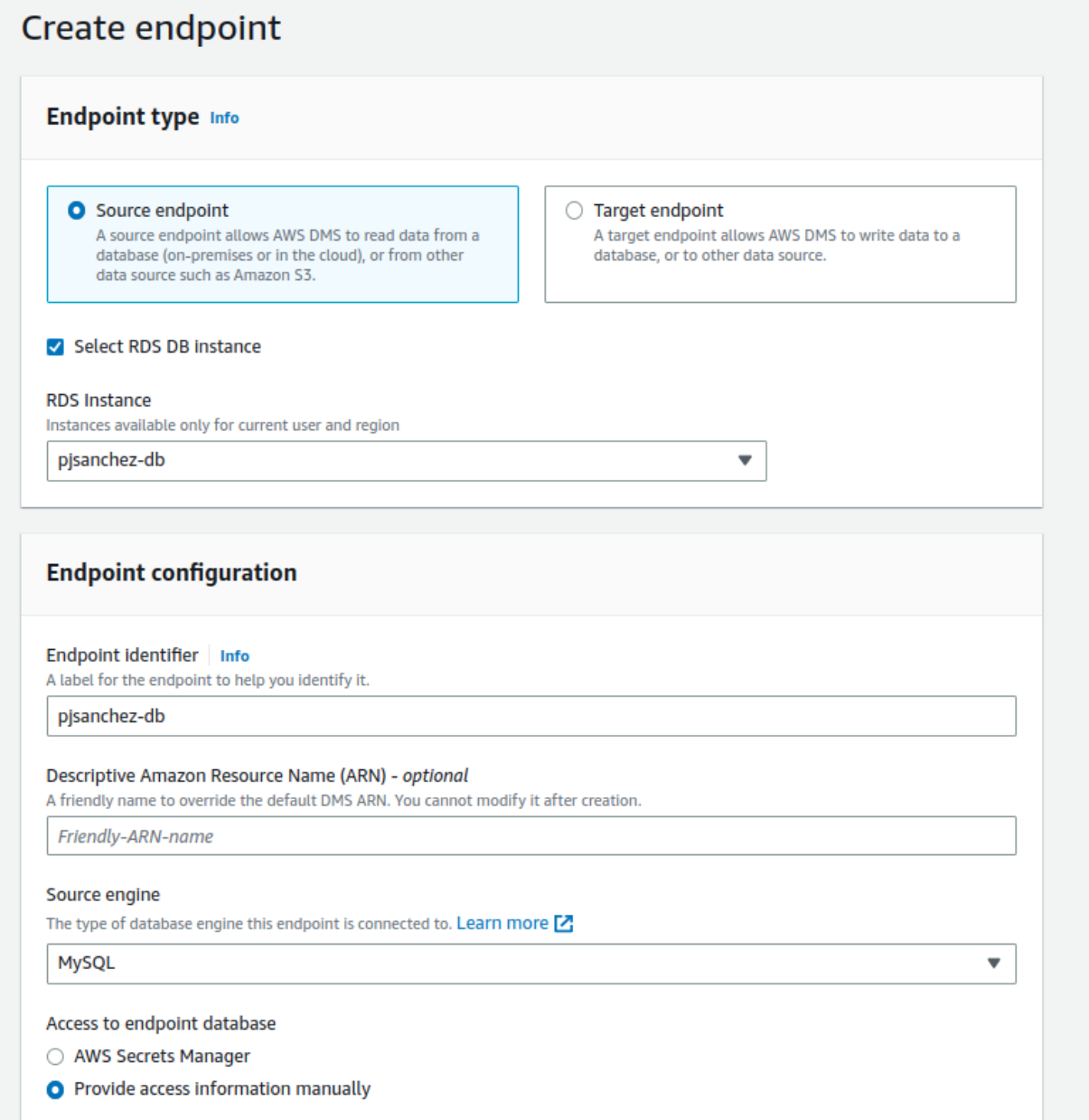
Default key that protects my DMS replication instance volumes when no other key is defined

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.





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

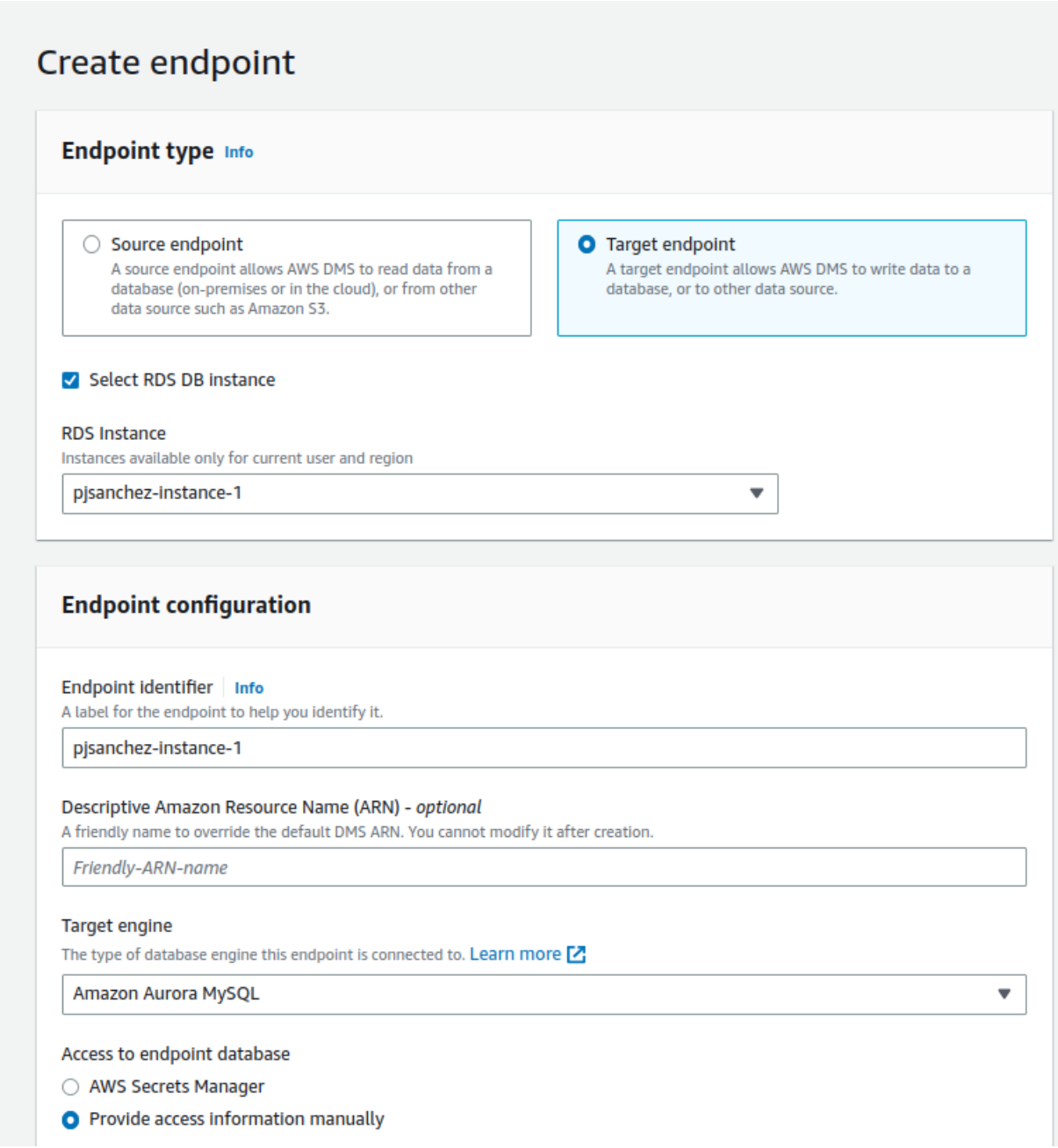
▶ KMS key

▶ Tags

▶ Test endpoint connection (optional)

Cancel Create endpoint

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



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

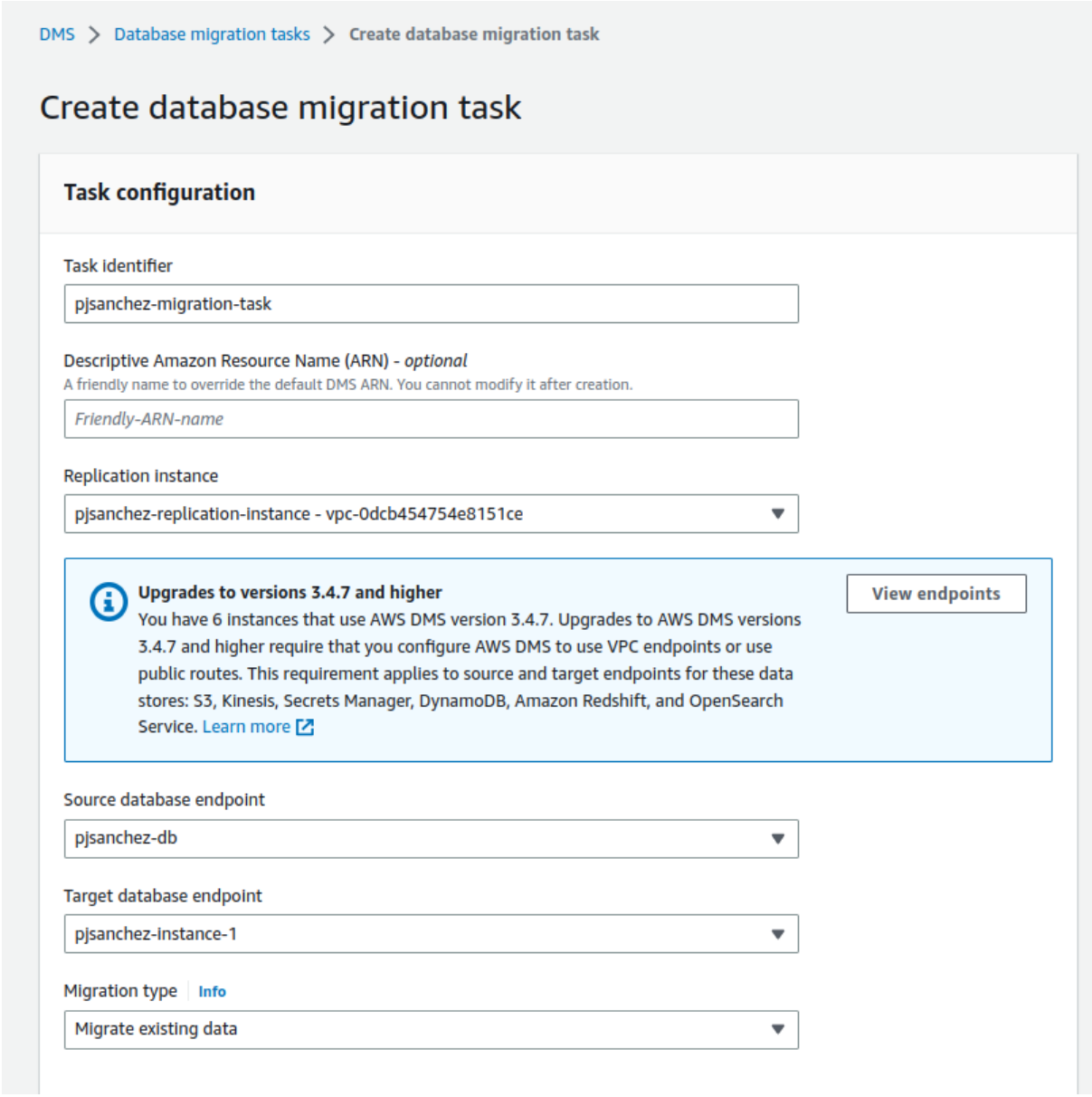
Secure Socket Layer (SSL) mode

The type of Secure Socket Layer enforcement

none

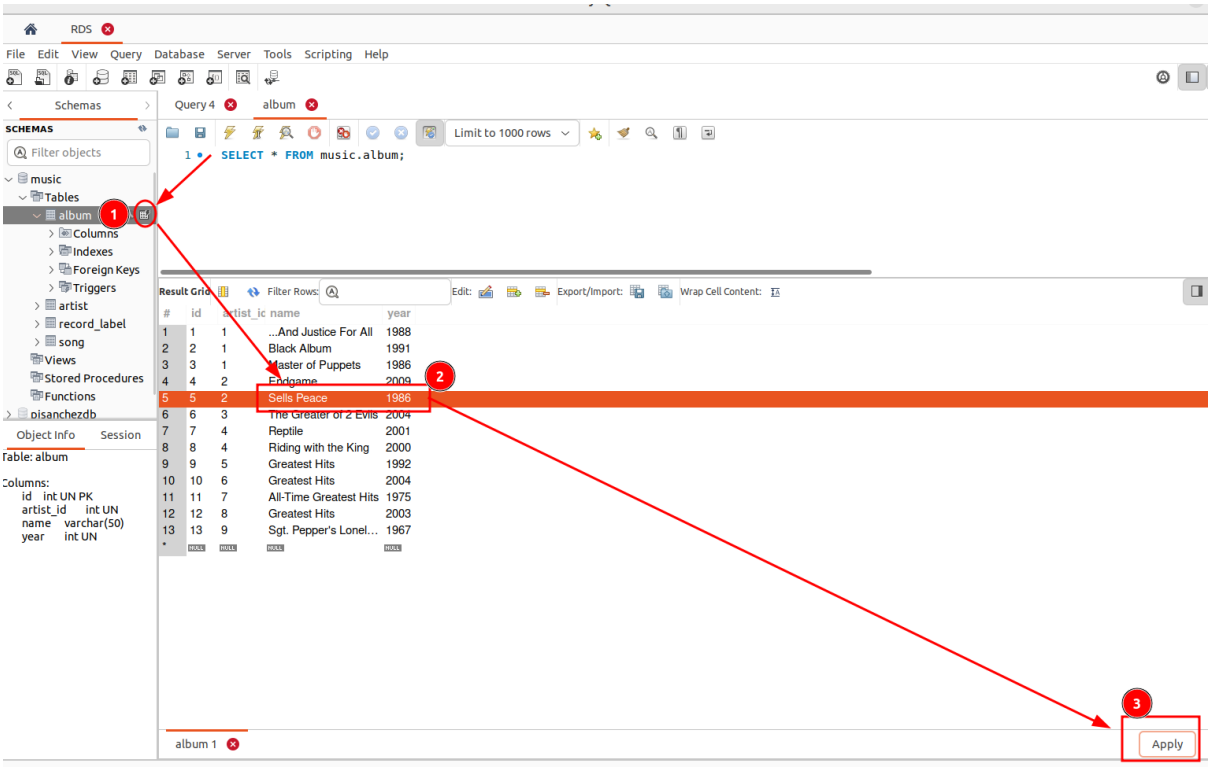
▶ Endpoint settings

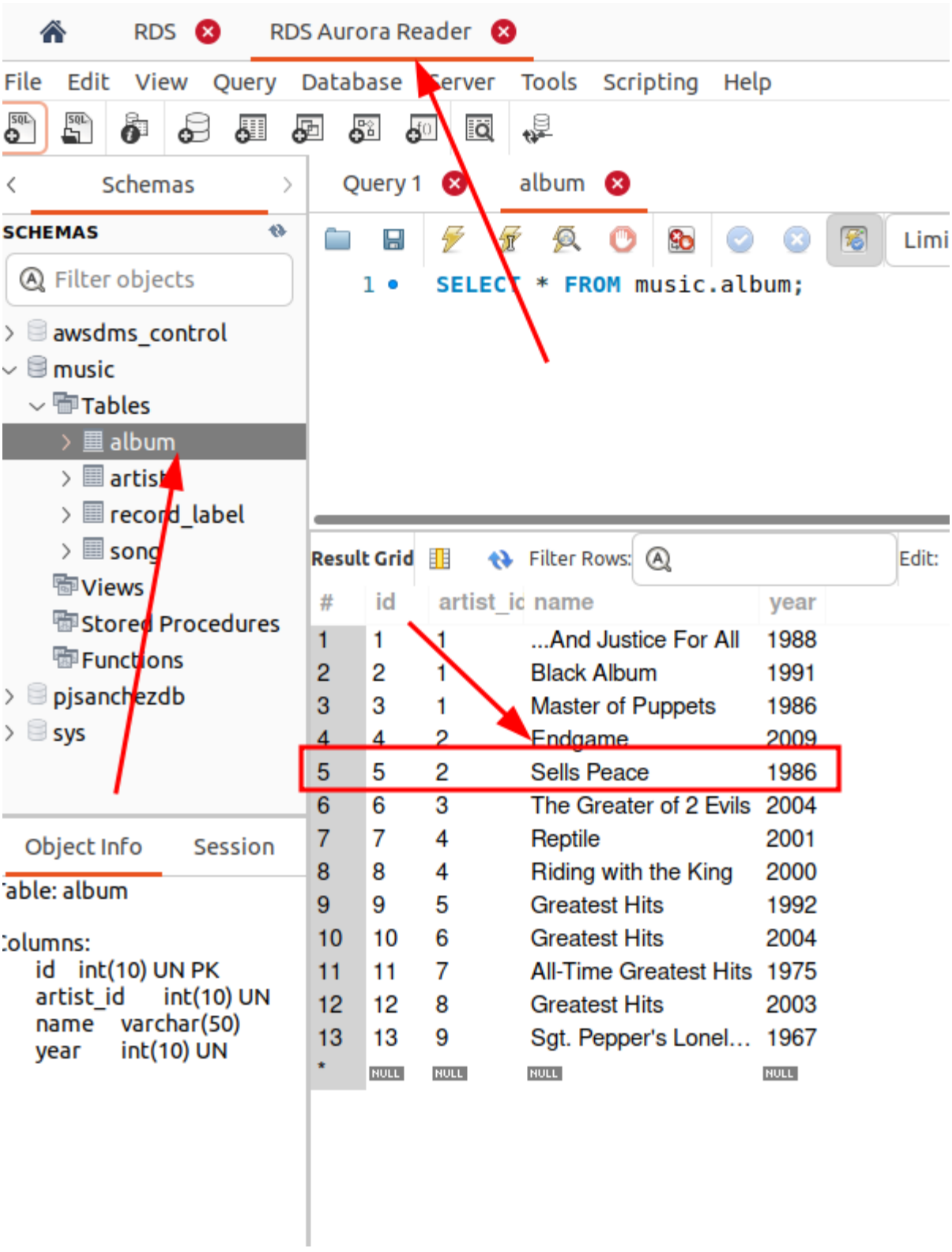
Finalmente creamos nuestra tarea de migración.



Ahora, para el tema de migración, no ha funcionado la replicación contínua, 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.




RDS
RDS Aurora Reader
File Edit View Query Database Server Tools Scripting Help
Schemas
Query 1
album
SCHEMAS
Filter objects
awsdms_control
music
Tables
album
artist
record_label
song
Views
Stored Procedures
Functions
pjsanchezdb
sys
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
Object Info
Session
Table: album
Columns:
id int(10) UN PK
artist_id int(10) UN
name varchar(50)
year int(10) UN