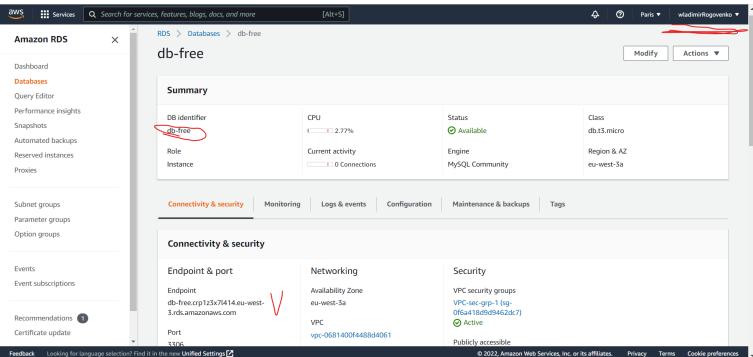# Create Instance on AWS RDS


```
[rvv@CentOs8 L1-MySQL]$ mysql -h db-free.crp1z3x7l414.eu-west-3.rds.amazonaws.com -P 3306 -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 41
Server version: 8.0.28 Source distribution

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affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
4 rows in set (0.05 sec)

mysql> create database CarsSaloon;
Query OK, 1 row affected (0.05 sec)

mysql> exit
Bye
```

Create datebase (without data). Restore DB from BackUp

```
mysql> create database CarsSaloon;
Query OK, 1 row affected (0.05 sec)

mysql> exit
Bye
[rvv@CentOs8 L1-MySQL]$ mysql -h db-free.crp1z3x7l414.eu-west-3.rds.amazonaws.com -u root -p CarsSaloon<CarsSaloon_1_backup.sql;
Enter password:
[rvv@CentOs8 L1-MySQL]$ mysql -h db-free.crp1z3x7l414.eu-west-3.rds.amazonaws.com -P 3306 -u root -p
Enter password:
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 44
Server version: 8.0.28 Source distribution

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owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| CarsSaloon         |
| information_schema |
| mysql              |
| performance_schema |
| sys                |
+--------------------+
5 rows in set (0.05 sec)

mysql> use CarsSaloon;
Reading table information for completion of table and column names
You can turn off this feature to get a quicker startup with -A

Database changed
mysql> show tables;
+----------------------+
| Tables_in_CarsSaloon |
+----------------------+
| CarBrends            |
| Colors               |
| Sales                |
| Sales_backup2        |
| Store                |
+----------------------+
5 rows in set (0.05 sec)

mysql>
```

Testing Select

```
mysql> SELECT
    →      cb.BrendName, count(s.ByerName) as Quantity_saled_cars
    → FROM
    →      Sales AS s,
    →      CarBrends AS cb,
    →      Store AS st
    → WHERE
    →      cb.id = st.CarBrends_id and s.Store_id=st.id
    →      group by cb.BrendName
    →      order by Quantity_saled_cars desc;
+---------------+---------------------+
| BrendName     | Quantity_saled_cars |
+---------------+---------------------+
| Jeep Compas   |                   2 |
| Lanos         |                   2 |
| Jeep Cherokee |                   2 |
| Mazda CX-5    |                   1 |
+---------------+---------------------+
4 rows in set (0.05 sec)

mysql>
```

Create BackUp DB and show it fragment

```
[rvv@CentOs8 L1-MySQL]$ mysqldump -h db-free.crp1z3x7l414.eu-west-3.rds.amazonaws.com -P 3306 -u root -p CarsSaloon>CarsSaloon_AWS_backup_1.sql
Enter password:
Warning: A partial dump from a server that has GTIDs will by default include the GTIDs of all transactions, even those that changed suppressed parts of the database. If you don't want
to restore GTIDs, pass --set-gtid-purged=OFF. To make a complete dump, pass --all-databases --triggers --routines --events.
[rvv@CentOs8 L1-MySQL]$ mc

[rvv@CentOs8 L1-MySQL]$ cat CarsSaloon_AWS_backup_1.sql | head 15
head: cannot open '15' for reading: No such file or directory
[rvv@CentOs8 L1-MySQL]$ cat CarsSaloon_AWS_backup_1.sql | head -15
-- MySQL dump 10.13  Distrib 8.0.26, for Linux (x86_64)
--
-- Host: db-free.crp1z3x7l414.eu-west-3.rds.amazonaws.com    Database: CarsSaloon
-- ------------------------------------------------------
-- Server version       8.0.28

/*!40101 SET @OLD_CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
/*!40101 SET @OLD_CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
/*!40101 SET @OLD_COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
/*!50503 SET NAMES utf8mb4 */;
/*!40103 SET @OLD_TIME_ZONE=@@TIME_ZONE */;
/*!40103 SET TIME_ZONE='+00:00' */;
/*!40014 SET @OLD_UNIQUE_CHECKS=@@UNIQUE_CHECKS, UNIQUE_CHECKS=0 */;
/*!40014 SET @OLD_FOREIGN_KEY_CHECKS=@@FOREIGN_KEY_CHECKS, FOREIGN_KEY_CHECKS=0 */;
/*!40101 SET @OLD_SQL_MODE=@@SQL_MODE, SQL_MODE='NO_AUTO_VALUE_ON_ZERO' */;
[rvv@CentOs8 L1-MySQL]$ ls -la *backup*.sql
-rw-rw-r-- 1 rvv rvv 7148 Oct 21 11:23 CarsSaloon_1_backup.sql
-rw-rw-r-- 1 rvv rvv 7421 Oct 21 14:06 CarsSaloon_AWS_backup_1.sql
[rvv@CentOs8 L1-MySQL]$
```