

Create Instance on AWS RDS

The screenshot shows the AWS Management Console interface for an Amazon RDS instance named 'db-free'. The left sidebar contains navigation options like Dashboard, Databases, Query Editor, Performance insights, Snapshots, Automated backups, Reserved instances, Proxies, Subnet groups, Parameter groups, Option groups, Events, Event subscriptions, Recommendations, and Certificate update. The main content area displays the instance details under the 'db-free' tab. The 'Summary' section shows the DB identifier 'db-free', CPU usage at 2.77%, Status as 'Available', Class as 'db.t3.micro', Role as 'Instance', Current activity as '0 Connections', Engine as 'MySQL Community', and Region & AZ as 'eu-west-3a'. Below this, the 'Connectivity & security' tab is selected, showing details for Endpoint & port, Networking, and Security. The endpoint is 'db-free.crp1z3x7l414.eu-west-3.rds.amazonaws.com', the port is '3306', the availability zone is 'eu-west-3a', the VPC is 'vpc-0681400f4488d4061', and the VPC security group is 'VPC-sec-grp-1 (sg-0f6a418d9d9462dc7)'. The instance is publicly accessible.

Amazon RDS

Dashboard

Databases

Query Editor

Performance insights

Snapshots

Automated backups

Reserved instances

Proxies

Subnet groups

Parameter groups

Option groups

Events

Event subscriptions

Recommendations

Certificate update

RDS > Databases > db-free

db-free

Modify

Actions

Summary

DB identifier

db-free

CPU

2.77%

Status

Available

Class

db.t3.micro

Role

Instance

Current activity

0 Connections

Engine

MySQL Community

Region & AZ

eu-west-3a

Connectivity & security

Monitoring

Logs & events

Configuration

Maintenance & backups

Tags

Endpoint & port

Endpoint

db-free.crp1z3x7l414.eu-west-3.rds.amazonaws.com

Port

3306

Networking

Availability Zone

eu-west-3a

VPC

vpc-0681400f4488d4061

Security

VPC security groups

VPC-sec-grp-1 (sg-0f6a418d9d9462dc7)

Active

Publicly accessible

Feedback

Looking for language selection? Find it in the new Unified Settings

© 2022, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

```
[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

Copyright (c) 2000, 2021, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
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 database (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

Copyright (c) 2000, 2021, Oracle and/or its affiliates.

Oracle is a registered trademark of Oracle Corporation and/or its
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 |
+-----+
| 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@Cent0s8 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@Cent0s8 L1-MySQL]$ mc

[rvv@Cent0s8 L1-MySQL]$ cat CarsSaloon_AWS_backup_1.sql | head 15
head: cannot open '15' for reading: No such file or directory
[rvv@Cent0s8 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@Cent0s8 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@Cent0s8 L1-MySQL]$
```