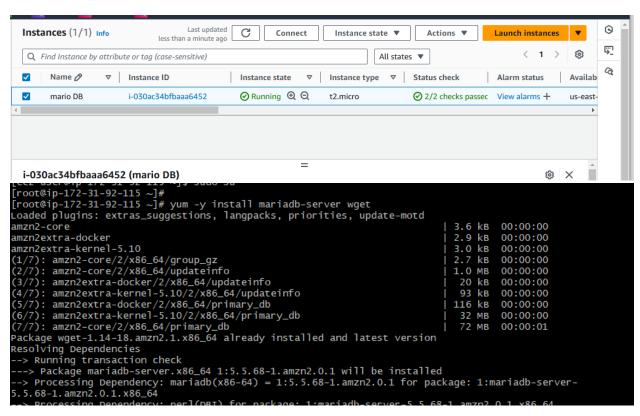
RDS

1) Create mariadb db on ec2.



```
Dependency Installed:
    mariadb. x86_64 1:5.5.68-1.amzn2.0.1
    perl-Compress-Raw-Bzip2.x86_64 0:2.061-3.amzn2.0.2
    perl-Compress-Raw-Zib. x86_64 1:2.061-4.amzn2.0.2
    perl-Compress-Raw-Zib. x86_64 1:2.061-4.amzn2.0.2
    perl-DBD-MySQL.x86_64 0:4.023-6.amzn2
    perl-DBI.x86_64 0:1.627-4.amzn2.0.2
    perl-DBI.x86_64 0:1.627-4.amzn2.0.2
    perl-Data-Dumper.x86_64 0:2.145-3.amzn2.0.2
    perl-Data-Dumper.x86_64 0:2.145-3.amzn2.0.2
    perl-PRPC.noarch 0:0.2061-2.amzn2
    perl-PRPC.noarch 0:0.02020-14.amzn2

Complete!
[root@ip-172-31-92-115 - ]* systemct] status marimari
    unit ani-iservice could not be found.
    int ani-iservice could not be found.
    int ani-iservice could not be found.
    int ani-iservice could not be found.
    rest and service could not be found.
    rest and service could not be found.
    Active active (could not be found.
    rest and service could not be found.
    rest and service rest and detables service.
    rest and service rest and detables service.
    rest and service rest and detables service.
```

2) Insert some dummy data

```
MariaDB [(none)]> USE ec2db;
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
MariaDB [ec2db̄]> insert into table1 values(1, 'rakesh'), (2, 'naresh'), (3, 'ganesh')
, (4, 'sundar');
Query OK, 4 rows affected (0.01 sec)
Records: 4 Duplicates: 0 Warnings: 0
MariaDB [ec2db]> select * from table1:
     ->
-> select * from table1;
ERROR 1064 (42000): You have an error in your SQL syntax; check the manual that corre
sponds to your MariaDB server version for the right syntax to use near ':
select * from table1' at line 1
MariaDB [ec2db]> select * from table1;
  id
         name
      1
           rakesh
      2
           naresh
           ganesh
      4
           sundar
4 rows in set (0.00 sec)
MariaDB [ec2db]>|
```

3) Take the backup of dummy data on ec2

```
[root@ip-172-31-92-115 backup]# mysqldump -u root -p ec2db > backup_maria.sql
Enter password:
mysqldump: Got error: 1045: "Access denied for user 'root'@'localhost' (using password: YES)" when trying to connect
[root@ip-172-31-92-115 backup]# mysqldump -u root -p ec2db > backup_maria.sql
Enter password:
[root@ip-172-31-92-115 backup]# ls
backup_maria.sql
[root@ip-172-31-92-115 backup]# |
```

4) launch Mariadb RDS instance

Creating

Instance

MariaDB

db.t4g.mi...

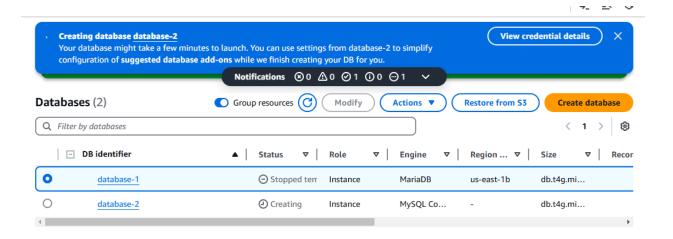
. 6) Install mysql db on ec2

my-database1

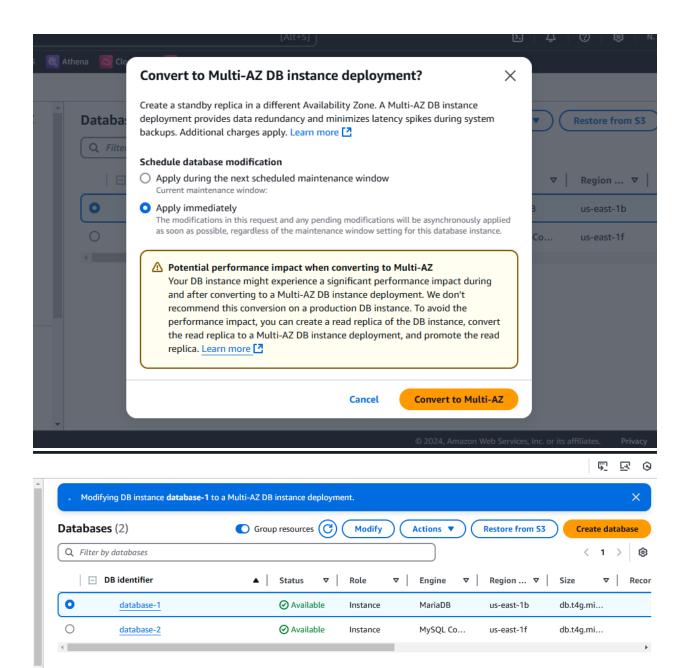
0

```
[root@ip-172-31-95-27 ~ ]# wget https://dev.mysql.com/get/mysql84-community-release-el9-1.noarch.rpm
--2024-11-23 11:33:57-- https://dev.mysql.com/get/mysql84-community-release-el9-1.noarch.rpm
Resolving dev.mysql.com (dev.mysql.com)... 23.218.131.64, 2600:1408:ec00:986::2e31, 2600:1408:ec00:98e::2e31
Connecting to dev.mysql.com (dev.mysql.com)|23.218.131.64|:443... connected.
HTTP request sent, awaiting response... 302 Moved Temporarily
Location: https://repo.mysql.com//mysql84-community-release-el9-1.noarch.rpm
[following]
--2024-11-23 11:33:57-- https://repo.mysql.com//mysql84-community-release-el9-1.noarch.rpm
Resolving repo.mysql.com (repo.mysql.com)... 23.33.203.94, 2600:1408:ec00:888::1d68, 2600:1408:ec00:881::1d68
Connecting to repo.mysql.com (repo.mysql.com)|23.33.203.94|:443... connected.
HTTP request sent, awaiting response... 200 0K
Length: 13139 (13K) [application/x-redhat-package-manager]
Saving to: 'mysql84-community-release-el9-1.noarch.rpm
  mysql84-community-release-el9-1.noarc 100%[===
                                                                                                                                                                                                                                                                                                                                                 in Os
  2024-11-23 11:33:57 (404 MB/s) - 'mysql84-community-release-el9-1.noarch.rpm' saved [13139/13139]
[root@ip-172-31-95-27 ~] # yum install ^C
[root@ip-172-31-95-27 ~] # yum install 'mysql84-community-release-el9-1.noarch.rpm'
Last metadata expiration check: 1:30:28 ago on Sat Nov 23 10:04:04 2024.
No match for argument: 'mysql84-community-release-el9-1.noarch.rpm'
Error: Unable to find a match: 'mysql84-community-release-el9-1.noarch.rpm'
[root@ip-172-31-95-27 ~] # yum install 'mysql84-community-release-el9-1.noarch.rpm' saved [13139/13139]
Last metadata expiration check: 1:30:55 ago on Sat Nov 23 10:04:04 2024.
No match for argument: 'mysql84-community-release-el9-1.noarch.rpm'
No match for argument: [13139/13139]
Error: Unable to find a match: 'mysql84-community-release-el9-1.noarch.rpm' saved [13139/13139]
[root@ip-172-31-95-27 ~] # \times C
[root@ip-172-31-95-27 ~] # \times C
[root@ip-172-31-95-27 ~] # \times V
[root@ip-172-31-95-27 ~] # yum install mysql84-community-release-el9-1.noarch.rpm
Last metadata expiration check: 1:31:21 ago on Sat Nov 23 10:04:04 2024.
Dependencies resolved.
   Dependencies resolved.
                                                                                                                                                                    Architecture
                                                                                                                                                                                                                                                                                                                                                                         Repository
el9-1
                                                                                                                                                                                                                                                                                                                                                                         @commandline
                                                                     : mysql-community-client-plugins-8.4.3-1.el9.x86_64
: mysql-community-common-8.4.3-1.el9.x86_64
: mysql-community-icu-data-files-8.4.3-1.el9.x86_64
: mysql-community-libs-8.4.3-1.el9.x86_64
: mysql-community-server-8.4.3-1.el9.x86_64
      Verifying
Verifying
Verifying
   installed:
      mysql-community-client-8.4.3-1.el9.x86_64 mysql-community-client-plugins-8.4.3-1.el9.x86_64 mysql-community-community-icu-data-files-8.4.3-1.el9.x86_64 mysql-community-libs-8.4.3-1.el9.x86_64 mysql-community-server
   omplete!
  Dependencies resolved.
Nothing to do.
Complete!
  complete:
[root@ip-172-31-95-27 ~]# sudo systemctl start mysqld
sudo systemctl status mysqld
   O mysqld.service - MySQL Server
Loaded: loaded (/usr/lib/systemd/system/mysqld.service; enabled; preset: disabled)
Active: active (running) since Sat 2024-11-23 11:38:33 UTC; 114ms ago
Docs: man:mysqld(8)
http://dev.mysql.com/doc/refman/en/using-systemd.html
Process: 29542 ExecStartPre=/usr/bin/mysqld_pre_systemd (code=exited, status=0/SUCCESS)
Main PID: 29610 (mysqld)
Status: "Server is operational"
Tasks: 35 (limit: 1111)
Memory: 452.2M
CPU: 4.248s
CGroup: /system.slice/mysqld.service
L29610 /usr/sbin/mysqld
```

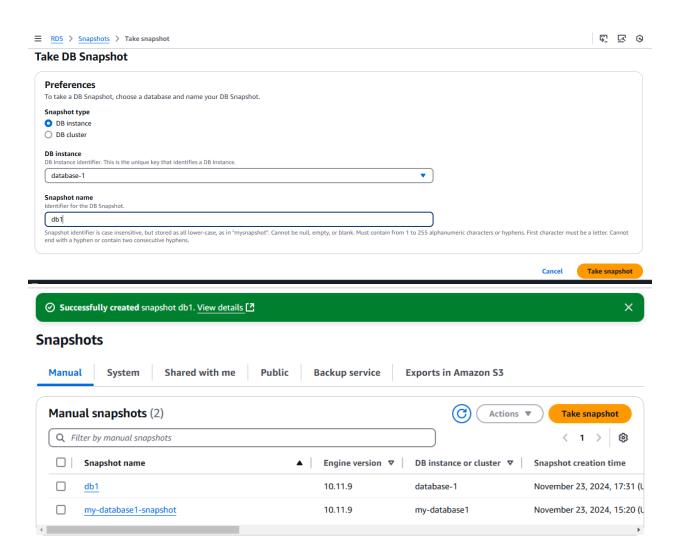
7) Launch mysql RDS image

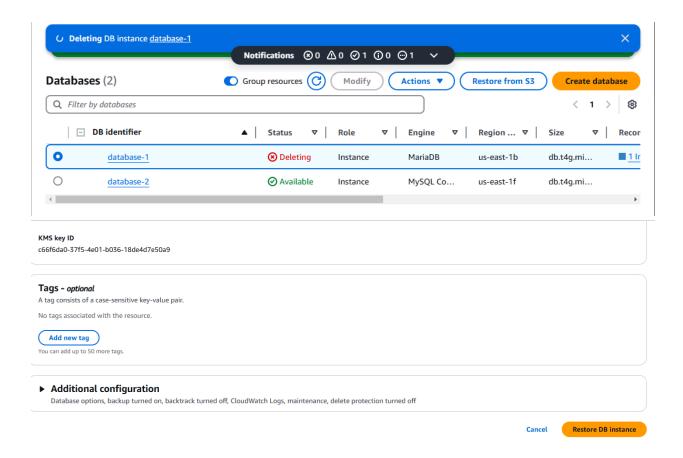


8) COnfigure multi AZ



9) Take Backup of db and restore the DB





10) Create ReadReplca

