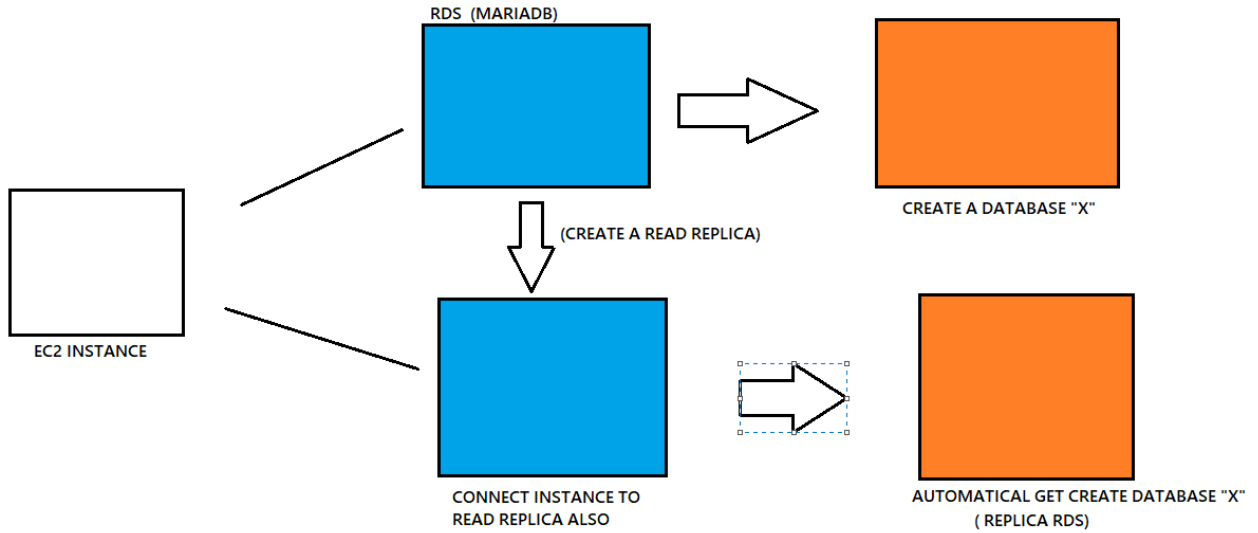


AIM – CONCEPT OF RDS REPLICA/BACKUP OF DATABASE

ARCHITECTURE:-



STEP 1-

STEP 1-CREATE AN VPC FIRST AND CREATE SUBNET ONE FOR EC2 INSTANCE

VPC settings

Resources to create [Info](#)

Create only the VPC resource or the VPC and other networking resources.

☒ VPC only

☐ VPC and more

Name tag - optional

Creates a tag with a key of 'Name' and a value that you specify.

MYVPC

IPv4 CIDR block [Info](#)

☒ IPv4 CIDR manual input

☐ IPAM-allocated IPv4 CIDR block

IPv4 CIDR

10.0.0.0/21

CIDR block size must be between /16 and /28.

IPv6 CIDR block [Info](#)

☒ No IPv6 CIDR block

☐ IPAM-allocated IPv6 CIDR block

☐ Amazon-provided IPv6 CIDR block

☐ IPv6 CIDR owned by me

Tenancy [Info](#)

Default

Subnet settings

Specify the CIDR blocks and Availability Zone for the subnet.

Subnet 1 of 1

Subnet name

Create a tag with a key of 'Name' and a value that you specify.

SUBNET 1

The name can be up to 256 characters long.

Availability Zone [Info](#)

Choose the zone in which your subnet will reside, or let Amazon choose one for you.

US East (N. Virginia) / us-east-1d

IPv4 VPC CIDR block [Info](#)

Choose the VPC's IPv4 CIDR block for the subnet. The subnet's IPv4 CIDR must lie within this block.

10.0.0.0/21

IPv4 subnet CIDR block

10.0.0.0/24

256 IPs

< > ^ v

Tags - optional

Key

Value - optional

Q Name

X

Q SUBNET 1

X

Remove

[VPC](#) > [Route tables](#) > Create route table

Create route table [Info](#)

A route table specifies how packets are forwarded between the subnets within your VPC, the internet, and your VPN connection.

Route table settings

Name - optional
Create a tag with a key of 'Name' and a value that you specify.

VPC
The VPC to use for this route table.

vpc-050c2bf29ac00753a (MYVPC) ▼

Tags

A tag is a label that you assign to an AWS resource. Each tag consists of a key and an optional value. You can use tags to search and filter your resources or track your AWS costs.

Key	Value - optional	
<input type="text" value="Name"/>	<input type="text" value="ROUTE 1"/>	<input type="button" value="Remove"/>

You can add 49 more tags.

CloudShell [Feedback](#)

STEP 2- CREATE AN INSTANT IN SUBNET 1

EC2

VPC

S3

AWS Auto Scaling

Simple Queue Service

Simple Notification Service

Key Management Service

CloudTrail

Amazon EventBridge

RDS

Name

EC2 INSTANCE

Add additional tags

▼ Application and OS Images (Amazon Machine Image) Info

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below

Q Search our full catalog including 1000s of application and OS images

Recents

Quick Start

Amazon Linux

macOS

Ubuntu

Windows

Red Hat

SUSE L

Browse more AMIs

Including AMIs from AWS, Marketplace and the Community

Amazon Machine Image (AMI)

Amazon Linux 2023 AMI

ami-0d7a109bf30624c99 (64-bit (x86), uefi-preferred) / ami-08b46fd32a1a5be7f (64-bit (Arm), uefi)

Virtualization: hvm ENA enabled: true Root device type: ebs

Free tier eligible

▼ Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.3.2...read more

ami-0d7a109bf30624c99

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable)

Cancel

Launch instance

Review commands

▼ Network Settings Info

VPC - required Info

vpc-050c2bf29ac00753a (MYVPC)

10.0.0.0/21

Subnet Info

subnet-047379d4d3bebe9a0

SUBNET 1

VPC: vpc-050c2bf29ac00753a Owner: 905418179079 Availability Zone: us-east-1d

IP addresses available: 251 CIDR: 10.0.0.0/24

Create new subnet

Auto-assign public IP Info

Enable

Firewall (security groups) Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

Create security group

Select existing security group

Security group name - required

launch-wizard-26

This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and _-./!@#,%&*~`|'{}[]+=&:()!\$*

Description - required Info

launch-wizard-26 created 2024-03-15T16:11:25.199Z

Inbound Security Group Rules

▼ Summary

Number of instances Info

1

Software Image (AMI)

Amazon Linux 2023 AMI 2023.3.2...read more

ami-0d7a109bf30624c99

Virtual server type (instance type)

t2.micro

Firewall (security group)

New security group

Storage (volumes)

1 volume(s) - 8 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable)

Cancel

Launch instance

Review commands

[EC2](#) > [Instances](#) > Launch an instance

Launching Instance

Creating security group rules

21%

Details

Please wait while we launch your instance.
Do not close your browser while this is loading.

[EC2](#) > [Instances](#) > Launch an instance

Success

Successfully initiated launch of instance (i-0bc289bae1b7949a0)

Launch log

Next Steps

What would you like to do next with this instance, for example "create alarm" or "create backup"

< 1 2 3 4 5 6 >

Create billing and free tier usage alerts

To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.

Create billing and free tier usage alerts

Connect to your instance

Once your instance is running, log into it from your local computer.

Connect to instance

Connect an RDS database

Configure the connection between an EC2 instance and a database to allow traffic flow between them.

Connect an RDS database

Create EBS snapshot policy

Create a policy that automates the creation, retention, and deletion of EBS snapshots

Create EBS snapshot policy

STEP 4-NOW CREATE RDS

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](#)


☐ Aurora (MySQL Compatible)




☐ Aurora (PostgreSQL Compatible)



☐ MySQL



☒ MariaDB



☐ PostgreSQL

☐ Oracle

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.

☐ Free tier

Use RDS Free Tier to develop new applications, test existing applications, or gain hands-on experience with Amazon RDS. [Info](#)

Settings

DB instance identifier [Info](#)

Type a name for your DB instance. The name must be unique across all DB instances owned by your AWS account in the current AWS Region.

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

☐ 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](#)

▼ Hide filters

- ☒ Show instance classes that support Amazon RDS Optimized Writes [Info](#)
Amazon RDS Optimized Writes improves write throughput by up to 2x at no additional cost.
- ☐ Include previous generation classes
- ☐ Standard classes (includes m classes)
- ☐ Memory optimized classes (includes r and x classes)
- ☒ Burstable classes (includes t classes)

db.t3.micro

2 vCPUs 1 GiB RAM Network: 2,085 Mbps

Storage

Storage type [Info](#)

Provisioned IOPS SSD (io2) storage volumes are now available.

General Purpose SSD (gp2)

Baseline performance determined by volume size

Allocated storage [Info](#)

20

GiB

The minimum value is 20 GiB and the maximum value is 6,144 GiB

ⓘ Provisioning less than 100 GiB of General Purpose (SSD) storage for high throughput workloads could result in higher latencies upon exhaustion of the initial General Purpose (SSD) IO credit balance. [Learn more](#)

ⓘ After you modify the storage for a DB instance, the status of the DB instance will be in storage-optimization. Your instance will remain available as the storage-optimization operation completes. [Learn more](#)

Storage autoscaling [Info](#)

Provides dynamic scaling support for your database's storage based on your application's needs.

- ☐ **Enable storage autoscaling**
Enabling this feature will allow the storage to increase after the specified threshold is exceeded.

Availability & durability

Multi-AZ deployment [Info](#)

- ☒ **Create a standby instance (recommended for production usage)**
Creates a standby in a different Availability Zone (AZ) to provide data redundancy, eliminate I/O freezes, and minimize latency spikes during system backups.
- ☐ **Do not create a standby instance**

Connectivity [Info](#)



Compute resource

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.

EC2 instance [Info](#)

Choose the EC2 instance to add as the compute resource for this database. A VPC security group is added to this EC2 instance. A VPC security group is also added to the database with an inbound rule that allows the EC2 instance to access the database.

i-0bc289bae1b7949a0
EC2 INSTANCE



Some VPC settings can't be changed when a compute resource is added

Adding an EC2 compute resource automatically selects the VPC, DB subnet group, and public access settings for this database. To allow the EC2 instance to access the database, a VPC security group rds-ec2-X is added to the database and another called ec2-rds-X to the EC2 instance. You can remove the new security group for the database only by removing the compute resource.

Network type [Info](#)

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

- ☒ **IPv4**
Your resources can communicate only over the IPv4 addressing protocol.
- ☐ **Dual-stack mode**
Your resources can communicate over IPv4, IPv6, or both.

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

DB subnet group [Info](#)

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

- ☒ **Choose existing**
Choose existing DB subnet group
- ☐ **Automatic setup**
RDS creates a new subnet group for you or reuses an existing subnet group

Existing DB subnet groups

Create new DB Subnet Group

Now create one subnet group for rds and add here

Public access [Info](#)

☐ Yes

RDS assigns a public IP address to the database. Amazon EC2 instances and other resources outside of the VPC can connect to your database. Resources inside the VPC can also connect to the database. Choose one or more VPC security groups that specify which resources can connect to the database.

☒ No

RDS doesn't assign a public IP address to the database. Only Amazon EC2 instances and other resources inside the VPC can connect to your database. Choose one or more VPC security groups that specify which resources can connect to the database.

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

New VPC security group name

vpc 1

[i](#) Amazon RDS will add a new VPC security group *rds-ec2-7* to allow connectivity with your compute resource.

Certificate authority - optional [Info](#)

Using a server certificate provides an extra layer of security by validating that the connection is being made to an Amazon database. It does so by checking the server certificate that is automatically installed on all databases that you provision.

default-ca-1 (default)

Initial database name [Info](#)

database 1

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

DB parameter group [Info](#)

default:mariadb10.11

Option group [Info](#)

default:mariadb-10-11

Backup

☒ Enable automated backups

Creates a point-in-time snapshot of your database

Backup retention period [Info](#)

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

7

days

Backup window [Info](#)

The daily time range (in UTC) during which RDS takes automated backups.

☐ Choose a window

☒ No preference

☒ Copy tags to snapshots

Creates a point-in-time snapshot of your database

Backup retention period [Info](#)
The number of days (1-35) for which automatic backups are kept.

7 days

Backup window [Info](#)
The daily time range (in UTC) during which RDS takes automated backups.

☐ Choose a window

☒ No preference

☐ Copy tags to snapshots

Backup replication [Info](#)

☐ Enable replication in another AWS Region
Enabling replication automatically creates backups of your DB instance in the selected Region, for disaster recovery, in addition to the current Region.

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](#)

Log exports
Select the log types to publish to Amazon CloudWatch Logs

☐ Audit log

☐ Error log

☐ General log

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.

Maintenance window [Info](#)
Select the period you want pending modifications or maintenance applied to the database by Amazon RDS.

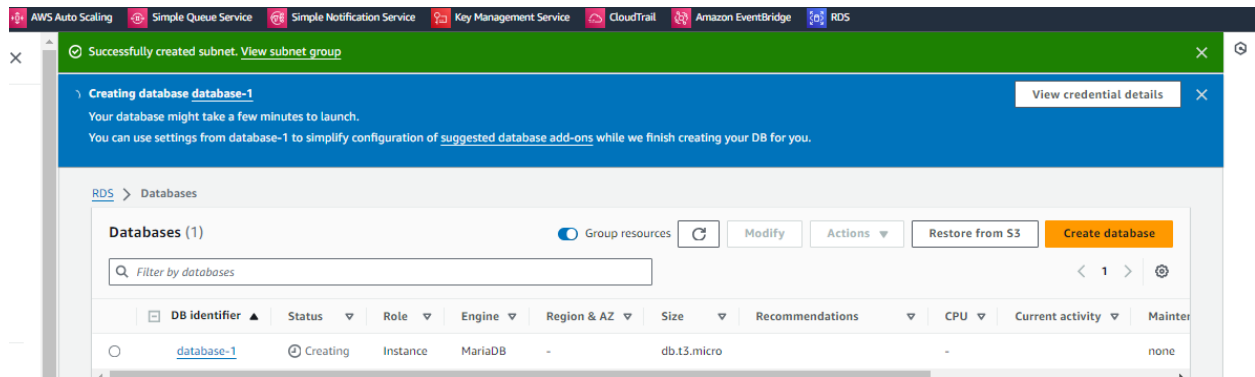
☐ Choose a window

☒ No preference

Deletion protection

☐ Enable deletion protection
Protects the database from being deleted accidentally. While this option is enabled, you can't delete the database.

Estimated Monthly costs	
DB instance	24.82 USD
Storage	4.60 USD
Total	29.42 USD



STEP 4-NOW CONNECT INSTANCE TO RDS DATABASE WHICH YOU CREATED NOW

Connect to instance Info

Connect to your instance i-0bc289bae1b7949a0 (EC2 INSTANCE) using any of these options

EC2 Instance Connect | Session Manager | SSH client | EC2 serial console

Instance ID
i-0bc289bae1b7949a0 (EC2 INSTANCE)

Connection Type

☒ Connect using EC2 Instance Connect
Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.

☐ Connect using EC2 Instance Connect Endpoint
Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.

Public IP address
34.229.177.43

Username
Enter the username defined in the AMI used to launch the instance. If you didn't define a custom username, use the default username, ec2-user.

ec2-user

Note: In most cases, the default username, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI username.

Cancel Connect

us-east-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-0bc289bae1b7949a0

Gmail YouTube

aws Services Search [Alt+S]

EC2 VPC S3 AWS Auto Scaling Simple Queue Service Simple Notification Service Key Management Service CloudTrail Amazon EventBridge

```
#_
~\##### Amazon Linux 2023
~~~\#####
~~~\#####
~~~\#/
~~~V~'~> https://aws.amazon.com/linux/amazon-linux-2023
~~~
~~~*
~~~\
~~~/_/m/
[ec2-user@ip-10-0-0-233 ~]$
```

Now install mariadb and connect to rds database

```
    _/m/'
[ec2-user@ip-10-0-0-233 ~]$ sudo su
[root@ip-10-0-0-233 ec2-user]# yum update
Last metadata expiration check: 0:26:20 ago on Fri Mar 15 16:13:34 2024.
Dependencies resolved.
Nothing to do.
Complete!
[root@ip-10-0-0-233 ec2-user]# yum install mariadb* -y

Complete!
[root@ip-10-0-0-233 ec2-user]# mysql -u admin -p -h database-1.cbqawamoa5pu.us-east-1.rds.amazonaws.com
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 13
Server version: 10.11.6-MariaDB-log managed by https://aws.amazon.com/rds/

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

MariaDB [(none)]>
```

NOW CREATE A READ REPLICA OF DATABASE WHICH YOU MADE

Create read replica

You are creating a replica DB instance from a source DB instance. This new DB instance will have the source DB instance's DB security groups and DB parameter groups.

Settings

Replica source

Source DB instance identifier

database-1

Role: Instance

DB instance identifier

This is the unique key that identifies a DB instance. This parameter is stored as a lowercase string (for example, mydbinstance).

REPLICADB

Instance configuration

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

DB instance class [Info](#)

DB instance class [Info](#)

▼ Hide filters



Include previous generation classes



Standard classes (includes m classes)



Memory optimized classes (includes r and x classes)



Burstable classes (includes t classes)

db.t3.micro

2 vCPUs 1 GiB RAM Network: 2,085 Mbps

AWS Region

Destination Region

The Region where the replica will be launched.

US East (N. Virginia)

Storage

Storage type [Info](#)

Storage

Storage type [Info](#)

Provisioned IOPS SSD (io2) storage volumes are now available.

General Purpose SSD (gp3)
Performance scales independently from storage

Allocated storage [Info](#)


20

GiB

Minimum: 20 GiB. Maximum: 6,144 GiB

Storage configuration upgrade [Info](#)

☐ Upgrade storage file system configuration
RDS recommends a storage file system configuration upgrade for your selected DB instance.

 You are on the latest storage configuration.

▼ Advanced settings

Baseline IOPS of 3,000 IOPS and storage throughput of 125 MiBps are included for allocated storage less than 400 GiB.

Provisioned IOPS [Info](#)

▼ Storage autoscaling

Storage autoscaling [Info](#)

Provides dynamic scaling support for your database's storage based on your application's needs.

☐ Enable storage autoscaling
Enabling this feature will allow the storage to increase after the specified threshold is exceeded.

Availability & durability

Multi-AZ deployment [Info](#)

Specifies if the DB instance should have a standby deployed in another Availability Zone.

- ☐ Create a standby instance (recommended for production usage)
Creates a standby in a different Availability Zone (AZ) to provide data redundancy, eliminate I/O freezes, and minimize latency spikes during system backups.
- ☒ Do not create a standby instance

Connectivity



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

☒ IPv4

Your resources can communicate only over the IPv4 addressing protocol.

☐ Dual-stack mode

Your resources can communicate over IPv4, IPv6, or both.

DB subnet group [Info](#)

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

subnet ▼

Public access

☐ Publicly accessible

RDS assigns a public IP address to the database. Amazon EC2 instances and other resources outside of the VPC can connect to your database. Resources inside the VPC can also connect to the database. Choose one or more VPC security groups that specify which resources can connect to the database.

☒ Not publicly accessible

No IP address is assigned to the DB instance. EC2 instances and devices outside the VPC can't connect.

Existing VPC security groups

Choose VPC security groups ▼

default ✕

Availability Zone [Info](#)

The EC2 Availability Zone that the database will be created in.

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.

▼ Additional configuration

encryption turned off, backup, Enhanced Monitoring turned off, maintenance, CloudWatch Logs, delete protection turned off

Backup

Tags

☐ 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](#)

☐ Enable Enhanced Monitoring

Enabling Enhanced Monitoring metrics are useful when you want to see how different processes or threads use the CPU.

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

Maintenance

Auto minor version upgrade [Info](#)

☐ Enable auto minor version upgrade

arch

[Alt+S]

AWS Auto Scaling

Simple Queue Service

Simple Notification Service

Key Management Service

CloudTrail

Amazon EventBridge

RDS

N. Virginia

Vicky Omprakash Sharma

Creating replica REPLICADB in US East (N. Virginia)

Your database might take a few minutes to launch.

RDS > Databases

Databases (1)

Group resources

Modify

Actions

Restore from S3

Create database

Filter by databases

	DB identifier	Status	Role	Engine	Region & AZ	Size	Recommendations	CPU	Current activity	Mainten.
	replicadb	Creating	Replica	MariaDB	-	db.t3.micro		-		none

Databases (2)

Group resources

Modify

Actions

Restore from S3

Filter by databases

	DB identifier	Status	Role	Engine	Region & AZ	Size	Recommendations	CPU
	database-1	Available	Primary	MariaDB	us-east-1f	db.t3.micro		2.56%
	dbinstance	Available	Replica	MariaDB	us-east-1b	db.t3.micro		-

NOW CREATE A DATABASE IN PRIMARY RDS

```

MariaDB [(none)]> create database vicky;
Query OK, 1 row affected (0.005 sec)

MariaDB [(none)]>

```

Now CREATE NEW instance to CONNECT replica rds and check whether these database is automatically generate or not

The screenshot shows the AWS Management Console interface. The top section displays the 'Launch an instance' progress bar, which is at 21% completion. Below this, a message states: 'Please wait while we launch your instance. Do not close your browser while this is loading.' The bottom section shows a 'Success' message: 'Successfully initiated launch of instance (i-0bb7b95e496f5aff1)'. Below the success message, there is a 'Launch log' link.

The bottom part of the screenshot shows the 'Instances' page in the AWS Management Console. The page displays a table of instances with the following columns: Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, and Public IPv4 D. The table contains two instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 D
instance 2	i-0bb7b95e496f5aff1	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1d	-
EC2 INSTANCE	i-0bc289bae1b7949a0	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1d	-

Before connecting instance go to replica >connected compute resources and attach instance new that you made

Set up EC2 connection [Info](#)

Select EC2 instance

Database

[dv](#)

EC2 instance

Choose the EC2 instance to connect to this database. Only EC2 instances in the same VPC as the database are shown. If no EC2 instances in the same VPC are available, you can create a new EC2 instance.

[i-0bb7b95e496f5aff1](#)
instance 2 us-east-1d



[Create EC2 instance](#)



Connection already exists

A connection between RDS database [dv](#) (security group [rds-ec2-8](#)) and EC2 instance [i-0bb7b95e496f5aff1](#) (security group [ec2-rds-8](#)) already exists.

Cancel

Continue

Connected compute resources (2) [Info](#)

Connections to compute resources that were created automatically by RDS are shown here. Connections to compute resources that were created manually aren't shown.

Filter by compute resources



Actions

Set up EC2 connection

Set up Lambda connection

Resource identifier	Resource type	Availability Zone	VPC security group	Compute resource security group	Connected proxy
i-0bb7b95e496f5aff1	EC2 instance	us-east-1d	rds-ec2-8	ec2-rds-8	-
i-0bc289bae1b7949a0	EC2 instance	us-east-1d	rds-ec2-8	ec2-rds-8	-

Proxies (0)



Actions

Create proxy

Now connect instance to replica and check database which you create in

```
[root@ip-10-0-0-75 ec2-user]# mysql -u admin -p -h dv.cbqawamoa5pu.us-east-1.rds.amazonaws.com
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 29
Server version: 10.11.6-MariaDB managed by https://aws.amazon.com/rds/
```

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

```
MariaDB [(none)]> show databases;
```

```
+-----+
```

```
[root@ip-10-0-0-75 ec2-user]# mysql -u admin -p -h dv.cbqawamoa5pu.us-east-1.rds.amazonaws.com
Enter password:
Welcome to the MariaDB monitor.  Commands end with ; or \g.
Your MariaDB connection id is 29
Server version: 10.11.6-MariaDB managed by https://aws.amazon.com/rds/
```

Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

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

```
MariaDB [(none)]> show databases;
```

```
+-----+
```

Database
database18
information_schema
innodb
mysql
performance_schema
sys
vicky

```
+-----+
```

```
7 rows in set (0.003 sec)
```

```
MariaDB [(none)]> 
```