

Console Home [Info](#)

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No recently visited services

Explore one of these commonly visited AWS services.

[IAM](#) [EC2](#) [S3](#) [RDS](#) [Lambda](#)

[View all services](#)

Welcome to AWS



[Getting started with AWS](#)

Learn the fundamentals and find valuable information to get the most out of AWS.



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Learn from AWS experts and advance your skills and knowledge.



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Discover new AWS services, features, and Regions.

AWS Health [Info](#)

Open issues

0

Past 7 days

Scheduled changes

0

Upcoming and past 7 days

Other notifications

0

Past 7 days

Cost and usage [Info](#)



No cost and usage

This could be because you haven't configured AWS Cost Manager or you do not have permission.

Certificate update

No instances found

Now, create a database with a single click using our pre-built configurations! Or choose your own configurations.

Share your feedback

MySQL

Create database

Engine options

Engine type [Info](#)

☐ Aurora (MySQL Compatible)



- ☐ Aurora (PostgreSQL Compatible)



- MySQL

☐ MariaDB

☐ PostgreSQL



○ Oracle



☐ Microsoft SQL Server



Edition

MySQL Community

 Known issues/limitations

MySQL is the most popular open source database in the world. MySQL on RDS offers the rich features of the MySQL community edition with the flexibility to easily scale compute resources or storage capacity for your database.

- Supports database size up to 64 TiB.
- Supports General Purpose, Memory Optimized, and Burstable Performance instance classes.
- Supports automated backup and point-in-time recovery.
- Supports up to 15 Read Replicas per instance, within a single Region or 5 read replicas cross-region.

Search results - nikhilzambare24 x nikhilzambare24/demorepo Tag x Topology - Red Hat OpenShift D x Computer Seekho x Push Docker image to Hub. x AWS RDS MySQL Database Setu x Create database - RDS Manage x

eu-north-1.console.aws.amazon.com/rds/home?region=eu-north-1#launch-dbinstance:gdb=false;isHermesCreate=true;s3-import=false

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aws Services Search [Alt+S]

Creates a single DB instance with no standby DB instances.

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.

1 to 16 alphanumeric characters. First character must be a letter.

☐ **Manage master credentials in AWS Secrets Manager**
Manage master user credentials in Secrets Manager. RDS can generate a password for you and manage it throughout its lifecycle.

i If you manage the master user credentials in Secrets Manager, some RDS features aren't supported.
[Learn more](#)

☐ **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](#)

MySQL

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eu-north-1.console.aws.amazon.com/rds/home?region=eu-north-1#launch-dbinstance:gdb=false;isHermesCreate=true;s3-import=false

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Storage

Storage type Info

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

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.

Maximum storage threshold Info

Charges will apply when your database autoscales to the specified threshold

1000 GiB

The minimum value is 22 GiB and the maximum value is 6,144 GiB

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.

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 ☐ Dual-stack mode

MySQL

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Push Docker image to Hub

AWS RDS MySQL Database Setu

Create database - RDS Manage

eu-north-1.console.aws.amazon.com/rds/home?region=eu-north-1#launch-dbinstance:gdb=false;isHermesCreate=true;s3-import=false

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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.

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

Choose the VPC. The VPC defines the virtual networking environment for this DB instance.

Default VPC (vpc-0a3d8b0ac07f85312)
3 Subnets, 3 Availability Zones

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 instance can use in the VPC that you selected.

default

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

MySQL

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AWS RDS MySQL Database Setup

Databases - RDS Management C

eu-north-1.console.aws.amazon.com/rds/home?region=eu-north-1#databases:

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Amazon RDS

Dashboard

Databases

Performance insights

Snapshots

Exports in Amazon S3

Automated backups

Reserved instances

Proxies

Subnet groups

Parameter groups

Option groups

Custom engine versions

Events

Event subscriptions

Certificate update

Successfully created database database-1

You can use settings from database-1 to simplify configuration of suggested database add-ons while we finish creating your DB for you.

How was your experience creating an Amazon RDS database? Provide feedback

View connection details

RDS > Databases

Consider creating a Blue/Green Deployment to minimize downtime during upgrades

You may want to consider using Amazon RDS Blue/Green Deployments and minimize your downtime during upgrades. A Blue/Green Deployment provides a staging environment for changes to production databases. [RDS User Guide](#) [Aurora User Guide](#)

Databases

Group resources

Modify

Actions

Restore from S3

Create database

Filter by databases

	DB identifier	Role	Engine	Region & AZ	Size	Status	CPU	Current activity	Maintenance	VPC
	database-1	Instance	MySQL Community	eu-north-1c	db.t3.micro	Available	-		none	vpc-0a3d8b0ac0

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AWS RDS MySQL Database Setup

Database Details - RDS Manager

eu-north-1.console.aws.amazon.com/rds/home?region=eu-north-1#databaseid=database-1;is-cluster=false

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Amazon RDS

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Certificate update

RDS > Databases > database-1

database-1

ModifyActions

Summary

DB identifier database-1	CPU -	Status Available	Class db.t3.micro
Role Instance	Current activity	Engine MySQL Community	Region & AZ eu-north-1c

Connectivity & securityMonitoringLogs & eventsConfigurationMaintenance & backupsTags

Connectivity & security

<div>Endpoint & port</div> <div>Endpoint database-1.ccxp7tg7lhop.eu-north-1.rds.amazonaws.com</div> <div>Port 3306</div>	<div>Networking</div> <div>Availability Zone eu-north-1c</div> <div>VPC vpc-0a3d8b0ac07f85312</div> <div>Subnet group default-vpc-0a3d8b0ac07f85312</div> <div>Subnets subnet-0df78a4a3f3ceb280 subnet-09e996dc94932e874 subnet-0c84efbc2043b06d8</div> <div>Network type</div>	<div>Security</div> <div>VPC security groups default (sg-0f7f56c0c33665e3a) Active</div> <div>Publicly accessible Yes</div> <div>Certificate authority Info rds-ca-2019</div> <div>Certificate authority date August 22, 2024, 22:38 (UTC+05:30)</div> <div>DB instance certificate expiration date August 22, 2024, 22:38 (UTC+05:30)</div>
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EC2 > Security Groups > sg-0f7f56c0c33665e3a - default > Edit inbound rules

Edit inbound rules

Inbound rules control the incoming traffic that's allowed to reach the instance.

Inbound rules

Security group rule ID	Type	Protocol	Port range	Source	Description - optional	
sgr-0ccf9ea97544b8a81	All traffic	All	All	Custom		Delete
-	All traffic	All	All	Anywhere-I...	sg-0f7f56c0c33665e3a	Delete
-	All traffic	All	All	Anywhere-I...	0.0.0.0/0	Delete
					:::0	

Add rule

Cancel Preview changes Save rules

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nikhilzambare24/demorepo Tags

Topology - Red Hat OpenShift De

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AWS RDS MySQL Database Setup

EC2 Management Console

eu-north-1.console.aws.amazon.com/ec2/v2/home?region=eu-north-1#SecurityGroups:

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New EC2 Experience Tell us what you think

EC2 Dashboard

EC2 Global View

Events

Limits

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Snapshots

Lifecycle Manager

Network & Security

Security Groups

Elastic IPs

Placement Groups

Key Pairs

Inbound security group rules successfully modified on security group (sg-0f7f56c0c33665e3a | default)

Details

Security Groups (1/1) Info

Filter security groups

	Name	Security group ID	Security group name	VPC ID	Description	Owner	Inbound rules count	Outbound rules co...
<input checked="" type="checkbox"/>	-	sg-0f7f56c0c33665e3a	default	vpc-0a3d8b0ac07f85312	default VPC security gr...	317385159435	3 Permission entries	1 Permission entry

sg-0f7f56c0c33665e3a - default

Details Inbound rules Outbound rules Tags

You can now check network connectivity with Reachability Analyzer

Run Reachability Analyzer

Inbound rules (3)

Filter security group rules

	Name	Security group rule...	IP version	Type	Protocol	Port range	Source	Description
<input type="checkbox"/>	-	sgr-02baca60ca2bd1d71	IPv4	All traffic	All	All	0.0.0.0/0	-
<input type="checkbox"/>	-	sgr-0ccf9ea97544b8a81	-	All traffic	All	All	sg-0f7f56c0c33665e3...	-
<input type="checkbox"/>	-	sgr-0795b7a57fdae32a8	IPv6	All traffic	All	All	::/0	-

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Welcome to MySQL Workbench

MySQL Workbench is the official graphical user interface (GUI) tool for MySQL. It allows you to design, create and browse your database schemas, work with database objects and insert data as well as

[Browse Documents](#)[Discuss on the Forums >](#)

MySQL Connections + -

Local instance MySQL80

root
localhost:3306

Abc

lalit
127.0.0.1:3306

Setup New Connection

Connection Name: Type a name for the connection

Connection Method: Method to use to connect to the RDBMS

Parameters SSL Advanced

Hostname: address of the server host - and

Username: user to connect with.

Password: password. Will be requested later if it's

Default Schema: to use as default schema. Leave

MySQL Workbench

Successfully made the MySQL connection

Information related to this connection:

Host: database-1.ccxp7tg7hop.eu-north-1.rds.amazonaws.com
Port: 3306
User: admin
SSL: enabled with TLS_AES_256_GCM_SHA384

A successful MySQL connection was made with the parameters defined for this connection.

OK

Configure Server Management... Test Connection Cancel OK

MySQL Workbench

database-1 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

sys

Query 1 x

Limit to 1000 rows

```
1 • CREATE DATABASE AWS_DEMO;
2
3 • USE AWS_DEMO;
4
5 • CREATE TABLE Product(
6     product_id INT PRIMARY KEY,
7     product_name varchar(50) NOT NULL
8 )
9
10 DESC Product;
```

Result Grid

Field	Type	Null	Key	Default	Extra
product_id	int	NO	PRI	NULL	
product_name	varchar(50)	NO		NULL	

No object selected

Administration Schemas Information

Result 1 x

Read Only Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
✓ 1	16:53:30	CREATE DATABASE AWS_DEMO	1 row(s) affected	0.157 sec
✓ 2	16:53:57	USE AWS_DEMO	0 row(s) affected	0.172 sec
✓ 3	16:55:46	CREATE TABLE Product(product_id INT PRIMARY KEY, product_name varchar(50) NOT NULL)	0 row(s) affected	0.188 sec
✓ 4	16:56:14	DESC Product	2 row(s) returned	0.171 sec / 0.000 sec

Object Info Session

SQLAdditions

Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.

Windows Taskbar

Type here to search

ENG INTL 16:56 11-05-2023

MySQL Workbench

database-1 x

File Edit View Query Database Server Tools Scripting Help

Navigator

SCHEMAS

Filter objects

sys

Query 1 x

Limit to 1000 rows

```
7 product_name varchar(50) NOT NULL
8 )
9
10 DESC Product;
11
12 • INSERT INTO Product (product_id, product_name) VALUES
13     (101, 'iPhone 13'),
14     (102, 'Samsung Galaxy S21'),
15     (103, 'Google Pixel 6'),
16     (104, 'OnePlus 9 Pro');
17
18 • SELECT * FROM Product;
```

Result Grid

Filter Rows:

Edit: Export/Import: Wrap Cell Content:

product_id	product_name
101	iPhone 13
102	Samsung Galaxy S21
103	Google Pixel 6
104	OnePlus 9 Pro

No object selected

Administration Schemas Information

Product 2 x

Apply Revert Context Help Snippets

Output

Action Output

#	Time	Action	Message	Duration / Fetch
1	16:53:30	CREATE DATABASE AWS_DEMO	1 row(s) affected	0.157 sec
2	16:53:57	USE AWS_DEMO	0 row(s) affected	0.172 sec
3	16:55:46	CREATE TABLE Product(product_id INT PRIMARY KEY, product_name varchar(50) NOT NULL)	0 row(s) affected	0.188 sec
4	16:56:14	DESC Product	2 row(s) returned	0.171 sec / 0.000 sec
5	16:58:29	INSERT INTO Product (product_id, product_name) VALUES (101, 'iPhone 13'), (102, 'Samsung Galaxy S21'), (103, 'Google Pixel 6'), (104, 'OnePlus 9 Pro')	4 row(s) affected Records: 4 Duplicates: 0 Warnings: 0	0.156 sec
6	16:58:50	SELECT * FROM Product LIMIT 0, 1000	4 row(s) returned	0.171 sec / 0.000 sec

Object Info Session

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