

[AWS]

Search

South America (São Paulo)

DanielDeSosa

RDS>Create database

Create database info

Choose a database creation method

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)

MySQL

MariaDB

Microsoft SQL Server

Aurora (PostgreSQL Compatible)

PostgreSQL

Oracle

IBM Db2

Master password

Specify a string that defines the password for the master user. Master Password must be at least eight characters long, as in "mypassw0rd".

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RDS>Create database

MySQL Community

Engine version info  
View the engine versions that support the following database features.  
▼ Hide filters

- Show only versions that support the Multi-AZ DB cluster info  
Create a Multi-AZ DB cluster with one primary DB instance and two readable standby DB instances. Multi-AZ DB clusters provide up to 2x faster transaction commit latency and automatic failover in typically under 35 seconds.
- Show only versions that support the Amazon RDS Optimized Writes info  
Amazon RDS Optimized Writes improves write throughput by up to 2x at no additional cost.

Engine version  
MySQL 8.0.40

Enable RDS Extended Support info  
Amazon RDS Extended Support is a paid offering. By selecting this option, you consent to being charged for this offering if you are running your database major version past the RDS end of standard support date for that version. Check the end of standard support date for your major version in the RDS for MySQL documentation.

Templates

Choose a sample template to meet your use case.

- Production  
Use default settings for high availability and fast, consistent performance.
- Dev/Test  
This instance is intended for development; use outside of a production environment.
- Free tier  
Use the Free Tier to develop new applications, test existing applications, or gain hands-on experience with Amazon RDS.

Availability and durability

Deployment options info  
Choose the deployment option that provides the availability and durability needed for your use case. AWS is committed to a certain level of uptime depending on the deployment option you choose. Learn more in the Amazon RDS service level agreement (SLA).

Multi-AZ DB cluster deployment (3 instances)  
Creates a primary DB instance with two readable standbys in separate Availability Zones. This setup provides:

- + 99.9% uptime

Multi-AZ DB instance deployment (2 instances)  
Creates a primary DB instance with a non-readable standby instance in a separate Availability Zone. This setup provides:

- + 99.95% uptime

Single-AZ DB instance deployment (1 instance)  
Creates a single DB instance without standby instances. This setup provides:

- + 99.9% uptime
- No data redundancy

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RDS>Create database

Write/read endpoint  
AZ 1  
Primary Instance + SSD

Reader endpoints  
AZ 2  
Readable standby + SSD  
AZ 3  
Readable standby + SSD

Write/read endpoint  
AZ 1  
Primary Instance

Standby (no endpoint)  
AZ 2  
Standby

Write/read endpoint  
AZ 1  
Primary Instance

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.  
employee-db  
The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mysqlrds"). Constraints: 1 to 63 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.  
admin  
1 to 16 alphanumeric characters. The first character must be a letter.  
Credentials management  
You can use AWS Secrets Manager or manage your master user credentials.

- Managed in AWS Secrets Manager - most secure  
RDS generates a password for you and manages it throughout its lifecycle using AWS Secrets Manager.
- Self managed  
Create your own password or have RDS create a password that you manage.

Auto generate password  
Amazon RDS can generate a password for you, or you can specify your own password.

Master password info



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South America (São Paulo)

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Menu

RDS

Create database

Monitoring

Info

Choose monitoring tools for this database. Database Insights provides a combined view of Performance Insights and Enhanced Monitoring for your fleet of databases.

Database Insights - Advanced

Retains 15 months of performance history

Fleet-level monitoring

Integration with CloudWatch Application Signals

Database Insights - Standard

Retains 7 days of performance history, with the option to pay for the retention of up to 24 months of performance history

Database Insights pricing is separate from RDS monthly estimates. See [Amazon CloudWatch pricing](#)

Additional monitoring settings

Enhanced Monitoring, CloudWatch Logs and DevOps Guru

Additional configuration

Database options, encryption turned on, backup turned on, backtrace turned off, maintenance, CloudWatch Logs, delete protection turned off.

Estimated monthly costs

The Amazon RDS Free Tier is available to you for 12 months. Each calendar month, the free tier will allow you to use the Amazon RDS resources listed below for free:

- 750 hrs of Amazon RDS in a Single-AZ db.t2.micro, db.t3.micro or db.t4g.micro Instance.
- 20 GB of General Purpose Storage (SSD).
- 20 GB for automated backup storage and any user-initiated DB Snapshots.

[Learn more about AWS Free Tier](#)  
When your free usage expires or if your application use exceeds the free usage tiers, you simply pay standard, pay-as-you-go service rates as described in the [Amazon RDS Pricing page](#).

You are responsible for ensuring that you have all of the necessary rights for any third-party products or services that you use with AWS services.

Cancel

Create database

Master password

Specify a string that defines the password for the master user. Master Password must be at least eight characters long, as in "mypassw0rd".

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RDS

Databases

employee-db

Amazon RDS

Dashboard

Databases

Query Editor

Performance Insights

Snapshots

Exports to Amazon S3

Automated backups

Reserved Instances

Proxies

Subnet groups

Parameter groups

Option groups

Custom engine versions

Zero-ETL Integrations New

Events

Event subscriptions

Recommendations 0

Certificate update

employee-db

Modify

Actions

Summary

DB identifier

employee-db

Status

Available

Role

Instance

Engine

MySQL Community

Recommendations

CPU

3.34%

Class

db.t4g.micro

Current activity

3 Connections

Region & AZ

sa-east-1b

Connectivity & security

Monitoring

Logs & events

Configuration

Zero-ETL Integrations

Maintenance & backups

Data migrations - new

Tags

Recommendations

Connectivity & security

Endpoint & port

Endpoint

employee-db.cwkuwqfuyf5u.sa-east-1.rds.amazonaws.com

Port

3306

Networking

Availability Zone

sa-east-1b

VPC

vpc-073f81c5dec0739e2

Subnet group

default-vpc-073f81c5dec0739e2

Subnets

subnet-8e13d75d88002e524

subnet-0285b0c5a2e0193d61

subnet-099b19f0d12c1c4fa

Network type

IPV4

Security

VPC security groups

default (sg-0f751a0911b2ccab0)

Active

Publicly accessible

Yes

Certificate authority

Info

rds-ca-ia2048-g1

Certificate authority date

May 18, 2061, 18:06 (UTC-05:00)

DB instance certificate expiration date

March 22, 2026, 00:06 (UTC-05:00)

Connected compute resources (0)

Info

CloudShell

Feedback

Actions

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Event subscriptions

Recommendations

Certificate update

Connected compute resources (0)

Filter by compute resources

Resource identifierResource typeAvailability ZoneVPC security groupCompute resource security groupConnected proxy

No connected compute resources

No connected compute resources that were created automatically to display.

Set up EC2 connectionSet up Lambda connection

Proxies (0)

Filter by proxies

Proxy identifierStatusEngine family

No proxies

You don't have any proxies.

Create proxy

Security group rules (3)

Filter by Security group rules

Security groupTypeRule

default (sg-0f751a0911b2ccaba)EC2 Security Group - Inboundsg-0f751a0911b2ccaba

default (sg-0f751a0911b2ccaba)CIDR/IP - Inbound0.0.0.0/0

default (sg-0f751a0911b2ccaba)CIDR/IP - Outbound0.0.0.0/0

cloudshellFeedback

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# AWS Secrets Manager

Step 1

Step 2

Step 3 - optional

Step 4

Review

Choose secret type

Choose secret type

Secret type

Credentials for Amazon RDS database

Credentials for Amazon DocumentDB database

Credentials for Amazon Redshift data warehouse

Credentials for other database

Other type of secret  
API key, OAuth token, other

Key/value pairs

Key/value

Plaintext

```
1 {
2   "username": "admin",
3   "password": "Pa55w0rd2025Emploj&%",
4   "host": "Employee-Rds-Cluster-key2u-se-east-1.rds.amazonaws.com",
5   "port": 3306,
6   "database": "management"
7 }
```

Text Line 7, Column 2 | Errors: 0 | Warnings: 0

Encryption key

You can encrypt using the KMS key that Secrets Manager creates or a customer managed KMS key that you create.

aws/secretsmanager

Add new key

Cancel

Next

Step 1

Step 2

Step 3 - optional

Step 4

Review

Configure secret

Secret name and description

Secret name

A descriptive name that helps you find your secret later

employee-bd

Secret name must contain only alphanumeric characters and the characters /, =, and -.

Description - optional

To store a MySQL database in AWS RDS

Maximum 250 characters

Tags - optional

No tags associated with the secret.

Add

Resource permissions - optional

Add or edit a resource policy to access secrets across AWS accounts.

Edit permissions

Step 1

Step 2

Step 3 - optional

Step 4

Review

Configure secret

Secret name and description

Secret name

A descriptive name that helps you find your secret later

employee-bd

Secret name must contain only alphanumeric characters and the characters /, =, and -.

Description - optional

To store a MySQL database in AWS RDS

Maximum 250 characters

Tags - optional

No tags associated with the secret.

Add

Resource permissions - optional

Add or edit a resource policy to access secrets across AWS accounts.

Edit permissions

Replicate secret - optional

Create read-only replicas of your secret in other Regions. Replica secrets incur a charge.

Learn more in the User Guide.

Choose a Region to create a read-only replica of your secret.

Replica secrets contain the same secret value and metadata.

AWS Region

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

Encryption key

aws/secretsmanager

Add new key

Add Region

Cancel

Previous

Next

Step 1

Choose secret type

Step 2

Configure secret

Step 3 - optional

Configure rotation

Step 4

Review

Configure rotation - optional

Configure automatic rotation

Configure AWS Secrets Manager to rotate this secret automatically.

☒ Automatic rotation

Rotation schedule

☒ Schedule expression builder

☐ Schedule expression

Time unit

Days

Days

7

Window duration - optional

24

Enter the time in hours.

☒ Rotate immediately when the secret is stored. The next rotation will begin on your schedule.

Rotation function

Lambda rotation function

Choose a Lambda function that can rotate this secret.

Lambda rotation function

Create function

Cancel

Previous

Next

Step 1

Choose secret type

Step 2

Configure secret

Step 3 - optional

Configure rotation

Step 4

Review

Review

Secret type

Secret type

Other type of secret

Encryption key

aws/secretsmanager

Secret configuration

Secret name

employee-bd

Description

to store credential for MySQL

Tags

-

Resource permissions

-

Secret replication

Disabled

Step 1

Choose secret type

Step 2

Configure secret

Step 3 - optional

Configure rotation

Step 4

Review

Rotation schedule

Automatic rotation

Disabled

Rotation schedule

-

Rotation function

Lambda rotation function

Secret that performs rotation

-

Sample code

Use these code samples to retrieve the secret in your application.

Java

JavaScript

C#

Python3

Ruby

Go

Rust

```
1 // Use this code snippet in your app.
2 // If you need more information about configurations on implementing the sample
3 // code, visit the AWS docs:
4 // https://docs.aws.amazon.com/sdk-for-java/latest/developer-guide/home.html
5
6 // Make sure to import the following packages in your code
7 // import software.amazon.awssdk.regions.Region;
8 // import software.amazon.awssdk.services.secretsmanager.SecretsManagerClient;
```

# AWS Lambda

Search

[Alt+S]

Lambda > Functions > Create function

Create function

Info

Choose one of the following options to create your function.

Author from scratch

Start with a simple Hello World example

Use a blueprint

Build a Lambda application from sample code and configuration presets for common use cases

Container image

Select a container image to deploy for your function

Basic information

Function name

Enter a name that describes the purpose of your function.

employeeManagement

Function name must be 1 to 64 characters, must be unique to the Region, and can't include spaces. Valid characters are a-z, A-Z, 0-9, hyphens (-), and underscores (\_).

Runtime

Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.

Java 17

Architecture

Choose the instruction set architecture you want for your function code.

x86\_64

arm64

Permissions

By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.

Change default execution role

Additional Configurations

Use additional configurations to set up code signing, function URL, tags, and Amazon VPC access for your function.

Cancel>Create function

Info

Tutorials

Learn how to implement common use cases in AWS Lambda.

Create a simple web app

In this tutorial you will learn how to:

Build a simple web app, consisting of a Lambda function with a function URL that outputs a webpage

Invoke your function through its function URL

Learn more

Start tutorial

Search

[Alt+S]

Lambda > Functions > employeeManagement > Edit runtime settings

Edit runtime settings

Info

Runtime

Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.

Java 17

New runtime available

A new runtime is available for your function's language: Java 21

Handler

Choose the handler for your function code.

org.xxxxx.handler.LambdaHandler::handleRequest

Architecture

Choose the instruction set architecture you want for your function code.

x86\_64

arm64

You can change either the function's runtime or the instruction set architecture in one update. To update both, you must repeat the update process.

Cancel>Save

Info

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Lambda > Functions > employeeManagement

Function URL

Info

Code

Test

Monitor

Configuration

Aliases

Versions

Test event

Info

To invoke your function without saving an event, configure the JSON event, then choose Test.

Test event action

Create new event

Edit saved event

Event name

testEmployeeManagement

Maximum of 255 characters consisting of letters, numbers, dots, hyphens and underscores.

Event sharing settings

Private

Shareable

Template - apigateway-aws-proxy

Event JSON

Format JSON

1 {  
2 "body": "eyJ0b290bWludGVudGE5J3",  
3 "resource": "/(proxy)",  
4 "path": "/path/to/resource",  
5 "httpMethod": "POST",  
6 "isBase64Encoded": true,  
7 "queryStringParameters": {

Info

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AWS

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Lambda > Functions > employeeManagement

Code Test Monitor Configuration Aliases Versions

Executing function: succeeded (logs)

Details

The area below shows the last 4 KB of the execution log.

```
{
  "statusCode": 500,
  "body": "Hey! - Server Internal Error: Request cannot be null"
}
```

Summary

Code SHA-256  
0ea3LznOdrV9KGl5np55+NRdL0nuVQH0Siga8icvVIA=

Request ID  
4b105dc3-cbb0-4f82-a3c4-43c271125a7c

Init duration  
915.29 ms

Billed duration  
91 ms

Max memory used  
115 MB

Log output

Execution time  
12 seconds ago

Function version  
\$LATEST

Duration  
90.88 ms

Resources configured  
512 MB

The section below shows the logging calls in your code. [Click here](#) to view the corresponding CloudWatch log group.

```
START RequestId: 4b105dc3-cbb0-4f82-a3c4-43c271125a7c Version: $LATEST
END RequestId: 4b105dc3-cbb0-4f82-a3c4-43c271125a7c
REPORT RequestId: 4b105dc3-cbb0-4f82-a3c4-43c271125a7c  Duration: 90.88 ms    Billed Duration: 91 ms    Memory Size: 512 MB    Max Memory Used: 115 MB    Init Duration: 915.29 ms
```

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[Learn more](#)

Start tutorial