



## We listened to your feedback!

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

[Share your feedback](#)

[RDS](#) > Create database

# Create database

## 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

☐ Microsoft SQL Server

### Engine Version



## 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](#)

## Availability and durability

Deployment options [Info](#)

The deployment options below are limited to those supported by the engine you selected above.

- ☐ **Multi-AZ DB Cluster - *new***  
Creates a DB cluster with a primary DB instance and two readable standby DB instances, with each DB instance in a different Availability Zone (AZ). Provides high availability, data redundancy and increases capacity to serve read workloads.
- ☐ **Multi-AZ DB instance (not supported for Multi-AZ DB cluster snapshot)**  
Creates a primary DB instance and a standby DB instance in a different AZ. Provides high availability and data redundancy, but the standby DB instance doesn't support connections for read workloads.
- ☒ **Single DB instance (not supported for Multi-AZ DB cluster snapshot)**  
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.

myPostgresDB

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



Type a login ID for the master user of your DB instance.

root

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.



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](#)

.....

## Instance configuration

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

DB instance class [Info](#)

- ☐ 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



☐ Include previous generation classes

## Storage

Storage type [Info](#)

General Purpose SSD (gp2)

Baseline performance determined by volume size



Allocated storage [Info](#)



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

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

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.



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.



### 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



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

#### Existing VPC security groups

Choose one or more options ▼

default ✕

#### Availability Zone [Info](#)

No preference ▼

#### RDS Proxy

RDS Proxy is a fully managed, highly available database proxy that improves application scalability, resiliency, and security.

- ☐ **Create an RDS Proxy** [Info](#)  
RDS automatically creates an IAM role and a Secrets Manager secret for the proxy. RDS Proxy has additional costs. For more information, see [Amazon RDS Proxy pricing](#).

#### 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.

rds-ca-2019 (default) ▼

If you don't select a certificate authority, RDS chooses one for you.

#### ▼ Additional configuration

##### Database port [Info](#)

TCP/IP port that the database will use for application connections.

5432

## 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.
- ☐ **Password and Kerberos authentication**  
Choose a directory in which you want to allow authorized users to authenticate with this DB instance using Kerberos Authentication.



## Performance Insights [Info](#)

☒ Turn on Performance Insights [Info](#)

Retention period [Info](#)

7 days (free tier)



AWS KMS key [Info](#)

(default) aws/rds



Account

251512075983

KMS key ID

Off52225-587f-4535-ac24-8cb2a1c15253



You can't change the KMS key after enabling Performance Insights.

### ▼ Additional configuration

Enhanced Monitoring

## Monitoring

☐ Enable Enhanced monitoring

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

### ▼ Additional configuration

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

## Database options

Initial database name [Info](#)

amazon\_review\_db

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

DB parameter group [Info](#)

default.postgres14



Option group [Info](#)

default:postgres-14





- ☐ **Enable automated backups**  
Creates a point-in-time snapshot of your database

## 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](#)

AWS KMS key [Info](#)

(default) aws/rds

Account

251512075983

KMS key ID

0ff52225-587f-4535-ac24-8cb2a1c15253

## Log exports


Select the log types to publish to Amazon CloudWatch Logs

- ☐ PostgreSQL log
- ☐ Upgrade log

IAM role

The following service-linked role is used for publishing logs to CloudWatch Logs.

RDS service-linked role

 Ensure that general, slow query, and audit logs are turned on. Error logs are enabled by default.  
[Learn more](#)

## 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.



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.