



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 data

Engine options

Engine type [Info](#)

☐ Amazon Aurora



☐ MySQL



☐ MariaDB



☒ **PostgreSQL**



☐ Oracle

ORACLE®

☐ Microsoft SQL



Engine Version

PostgreSQL 13.7-R1

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**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 [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. 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 this Region.

The DB instance identifier is case-insensitive, but is stored as all lowercase (as in "mydbinstance"). Constraints: 1 to 63 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.

**Auto generate a password**

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

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Confirm master password [Info](#)

●●●●●●●●●●●●●●

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

- Standard classes (includes m classes)
- Memory optimized classes (includes r and x classes)
- **Burstable classes (includes t classes)**

2 vCPUs 1 GiB RAM Network: 2,085 Mbps

☐ Include previous generation classes

Storage type [Info](#)

Baseline performance determined by volume size

20

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

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

Maximum storage threshold [Info](#)

30



Connectivity [Info](#)

Compute resource

Choose whether to set up a connection to a compute resource for this database. Setting up a connection will auto-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 resource later.

- ☐ **Connect to an EC2 compute resource**
Set up a connection to an EC2 compute resource for this database.

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

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

Default VPC (vpc-0076f326062de50ca)

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 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 appropriate incoming traffic.

- ☒ **Choose existing**
Choose existing VPC security groups

- ☐ **Create new**
Create new VPC security group

Existing VPC security groups

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default

Availability Zone [Info](#)

No preference

RDS Proxy

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

☐ Create an RDS Proxy [Info](#)

RDS automatically creates an IAM role and a Secrets Manager secret for the proxy. RDS Proxy has additional c
information, see [Amazon RDS Proxy pricing](#) .

Additional configuration

Database port [Info](#)

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

5430

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 Ke
Authentication.

Monitoring

Performance Insights [Info](#)☒ Turn on Performance Insights [Info](#)Retention period [Info](#)

7 days (free tier)

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Account

423544405765

KMS key ID

alias/aws/rds



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

► Additional configuration

Enhanced Monitoring

▼ Additional configuration

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

Database options

Initial database name [Info](#)

petclinic

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

DB parameter group [Info](#)

default.postgres13

Option group [Info](#)

default:postgres-13

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.

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☒ 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 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 in the AWS Key Management Service console. [Info](#)

AWS KMS key [Info](#)

(default) aws/rds

Account

423544405765

KMS key ID

alias/aws/rds

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. [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 upgrades occur during the maintenance window for the database.

Maintenance window [Info](#)

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Deletion protection

☐ Enable deletion protection

Protects the database from being deleted accidentally. While this option is enabled, you can't delete the data

Estimated monthly costs

The Amazon RDS Free Tier is available to you for 12 months. Each calendar month, the free tier will 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 pay-as-you-go service rates as described in the [Amazon RDS Pricing page.](#)



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Cancel

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