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Aurora and RDS > Databases > **Create database**

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Choose a database creation method

- ● **Full configuration**
  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
- ● PostgreSQL

- ○ MariaDB
- ○ Oracle
- ○ Microsoft SQL Server
- ○ IBM Db2

Engine version   **Info**

View the engine versions that support the following database features.

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Engine version

PostgreSQL 17.6-R2   ▼

☐ 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 PostgreSQL documentation ↗ .

Templates

Choose a sample template to meet your use case.

Production	**Dev/Test**	**Sandbox**
Use defaults for high availability and fast, consistent performance.	This instance is intended for development use outside of a production environment.	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) ↗ .

Single-AZ DB instance deployment (1 instance)	**Multi-AZ DB instance deployment (2 instances)**	**Multi-AZ DB cluster deployment (3 instances)**
Creates a single DB instance without standby instances. This setup provides: • 99.5% uptime • No data redundancy	Creates a primary DB instance with a non-readable standby instance in a separate Availability Zone. This setup provides: • 99.95% uptime • Redundancy across Availability Zones	Creates a primary DB instance with two readable standbys in separate Availability Zones. This setup provides: • 99.95% uptime • Redundancy across Availability Zones

More ⌄
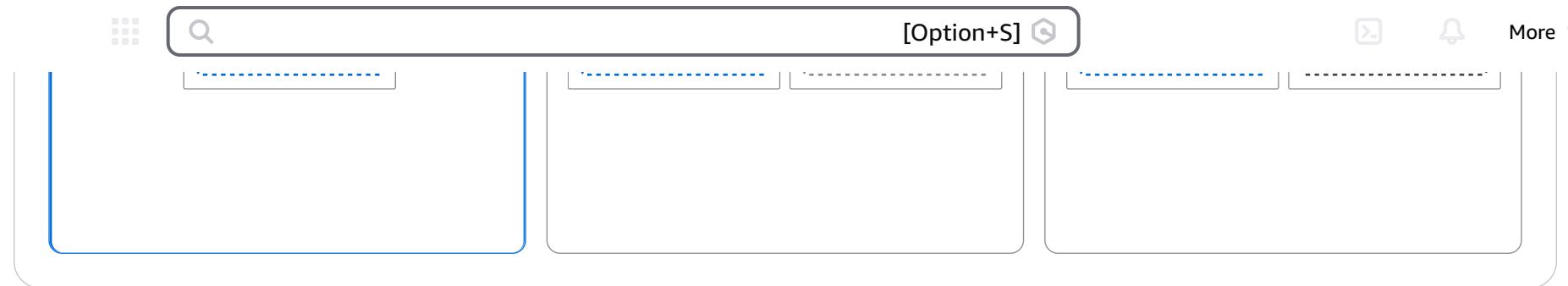
[Option+S]

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.

> scrybe-prod-db

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

> scrybe_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*	Self managed
RDS generates a password for you and manages it throughout its lifecycle using AWS Secrets Manager.	Create your own password or have RDS create a password that you manage.

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▼ Additional credentials settings

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.

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

◯   Include previous generation classes

Standard classes (includes m classes)

Memory optimized classes (includes r and x classes)

Burstable classes (includes t classes)

Instance type

db t3 micro

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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

Provisioned IOPS   **Info**

3000   ⌄   IOPS

Baseline IOPS of 3,000 IOPS is included for allocated storage less than 400 GiB.

Storage throughput   **Info**

125   ⌄   MiBps

Baseline storage throughput of 125 MiBps is included for allocated storage less than 400 GiB.

ⓘ   To provision additional IOPS and throughput, increase the allocated storage to 400 GiB or greater.

▼ **Additional storage configuration**

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.

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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.

Virtual private cloud (VPC)   Info

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

scrybe-prod-vpc (vpc-0eb6ee9cd198ad718)   ▼   ↻
4 Subnets, 2 Availability Zones

After a database is created, you can't change its VPC. 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.

Create new DB Subnet Group   ▼

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

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Choose existing
Choose existing VPC security groups

Create new
Create new VPC security group

Existing VPC security groups

Choose one or more options ▼

scrybe-db-sg ✕

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-rsa2048-g1 (default) Expiry: May 21, 2061 ▼

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

Additional configuration

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More

You can add up to 50 more tags.

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** pricing is separate from RDS monthly estimates. See Amazon CloudWatch pricing 🔗.

Database Insights - Advanced	Database Insights - Standard
• Retains 15 months of performance history • Fleet-level monitoring • Integration with CloudWatch Application Signals	• Retains 7 days of performance history, with the option to pay for the retention of up to 24 months of performance history

Performance Insights

☑ Enable Performance Insights

With Performance Insights dashboard, you can visualize the database load on your Amazon RDS DB instance load and filter the load by waits, SQL statements, hosts, or users.

Retention period

7 days ▼

AWS KMS key Info

(default) aws/rds ▼

Account

318928518060

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⚠ You can't change the KMS key after you create your database.

▼ **Additional monitoring settings**
Enhanced Monitoring, CloudWatch Logs and DevOps Guru

Enhanced Monitoring

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

OS metrics granularity

60 seconds ▼

Monitoring role for OS metrics

default ▼	↻	Create new role ↗

The monitoring role is an IAM role that allows RDS to send Enhanced Monitoring metrics to Amazon CloudWatch Logs.
Choose an existing monitoring role, or choose **default** to have RDS automatically create the IAM role **rds-monitoring-role** for you.

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

☐ iam-db-auth-error log
☐ PostgreSQL log
☐ Upgrade log

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

RDS service-linked role

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Additional configuration

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

Database options

Initial database name   **Info**

scrybe

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

DB parameter group   **Info**

default.postgres17   ▼

Option group   **Info**

default:postgres-17   ▼

Backup

☑ Enable automated backup
   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 automated backup
    This is a one-time setting. Future tag modifications need manual updates.

☑ 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.

☑ 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**

scrybe-phi-master-key-prod ▼

Account

318928518060

KMS key ID

10a118ce-e907-4129-8daa-e486e610e136

Maintenance

Auto minor version upgrade **Info**

☑ Enable auto minor version upgrade
    Enabling auto minor version upgrade will automatically upgrade your database minor version. For
    limitations and more details, see Automatically upgrading the minor engine version
    documentation ↗.

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✅ 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	13.14 USD
Storage	2.30 USD
Total	**15.44 USD**

This billing estimate is based on on-demand usage as described in Amazon RDS Pricing ↗. Estimate does not include costs for backup storage, IOs (if applicable), or data transfer.

Estimate your monthly costs for the DB Instance using the AWS Simple Monthly Calculator ↗.

ⓘ 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**