



us-east-1.console.aws.amazon.com/rds/home?region=us-east-1#launch-dbinstance:cjsHermesCreate=true

Cluster storage configuration - new [info](#)

Choose the storage configuration for the Aurora DB cluster that best fits your application's price predictability and price performance needs.

Configuration options

Database instance, storage, and I/O charges vary depending on the configuration. [Learn more](#)

☒ **Aurora Standard**

- Cost-effective pricing for many applications with moderate I/O usage (I/O costs <25% of total database costs).
- Pay-per-request I/O charges apply. DB instance and storage prices don't include I/O usage.

☐ **Aurora I/O-Optimized**

- Predictable pricing for all applications. Improved price performance for I/O-intensive applications (I/O costs >25% of total database costs).
- No additional charges for read/write I/O operations. DB instance and storage prices include I/O usage.

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

☐ Serverless v2

☒ Memory optimized classes (includes r classes)

☐ Burstable classes (includes t classes)

db.r5g.2large
8 vCPUs 64 GiB RAM Network: 4,750 Mbps

Availability & durability

Multi-AZ deployment [info](#)

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Multi-AZ deployment [info](#)

☒ **Create an Aurora Replica or Reader node in a different AZ (recommended for scaled availability)**

Creates an Aurora Replica for fast failover and high availability.

☐ Don't create an Aurora Replica

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 cluster.

Default VPC (vpc-08094f6d96409c746)
3 subnets, 6 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 cluster can use in the VPC that you

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ServicesSearch[Alt+5]

Default VPC (vpc-08094f6d96409c746)
9 Subnets, 6 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 cluster can use in the VPC that you selected.
rds-ec2-db-subnet-group-1
5 Subnets, 5 Availability Zones

Public access info
☐ Yes
RDS assigns a public IP address to the cluster. Amazon EC2 instances and other resources outside of the VPC can connect to your cluster. Resources inside the VPC can also connect to the cluster. Choose one or more VPC security groups that specify which resources can connect to the cluster.
☒ No
RDS doesn't assign a public IP address to the cluster. Only Amazon EC2 instances and other resources inside the VPC can connect to your cluster. Choose one or more VPC security groups that specify which resources can connect to the cluster.

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 X

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.

Aurora MySQL-Compatible Edition X

Aurora MySQL is Amazon's enterprise-class MySQL-compatible database.

Aurora MySQL offers:

- Up to five times the throughput of MySQL Community Edition
- Up to 128 TB of autoscaling SSD storage
- Six-way replication across three Availability Zones
- Up to 15 read replicas with replica lag under 10-ms
- Automatic monitoring with failover

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rds-ca-2019 (default)
Expiry: Aug 22, 2024
If you don't select a certificate authority, RDS chooses one for you.

Additional configuration

Read replica write forwarding
☐ Turn on local write forwarding info
Issues write operations from reader DB instances within the same DB cluster.

Database authentication info
Password authentication is always active for your database engine. You can also turn on additional authentication methods for your database below.
☐ IAM database authentication
Authenticates using IAM database authentication.
☐ Kerberos authentication
Authenticates using Kerberos authentication through an AWS Directory Service for Microsoft Active Directory.

Monitoring

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Monitoring

☒ Turn on Performance Insights

Retention period for Performance Insights [Info](#)

7 days (free tier)

AWS KMS key [Info](#)

(default) aws/rds

Account

475390682740

KMS key ID

41225873-4509-4f63-ad9e-9303ac3f8cfb

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

☐ Turn on DevOps Guru [Info](#)

DevOps Guru for RDS automatically detects performance anomalies for DB instances and provides recommendations.

Additional configuration

Enhanced Monitoring

Additional configuration

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

Estimated Monthly costs

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

Services Search [Alt+S]

Amazon RDS

Databases

Query Editor

Performance insights

Snapshots

Exports in 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 2

Creating database auroraadb

Your database might take a few minutes to launch.

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

View credential details

Introducing Aurora I/O-Optimized

Aurora I/O-Optimized is a new cluster storage configuration that offers predictable pricing for all applications and improved price-performance, with up to 40% costs savings for I/O-intensive applications.

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 (3)

Filter by databases

Group resources

Modify

Actions

Restore from S3

Create database

	DB identifier	Status	Role	Engine	Region & AZ	Size	Actions	CPU	Current activity	Maintenance	VPC
	auroraadb	Creating	Regional cluster	Aurora MySQL	us-east-1	2 instances	-	-	-	none	-
	auroraadb-instance-1	Creating	Reader instance	Aurora MySQL	us-east-1a	db.r5.large	-	-	-	none	vpc-08094f6d96409c746
	auroraadb-instance-1-az-east-1d	Creating	Reader instance	Aurora MySQL	us-east-1d	db.r5.large	-	-	-	none	vpc-08094f6d96409c746

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