

### **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

#### Settings

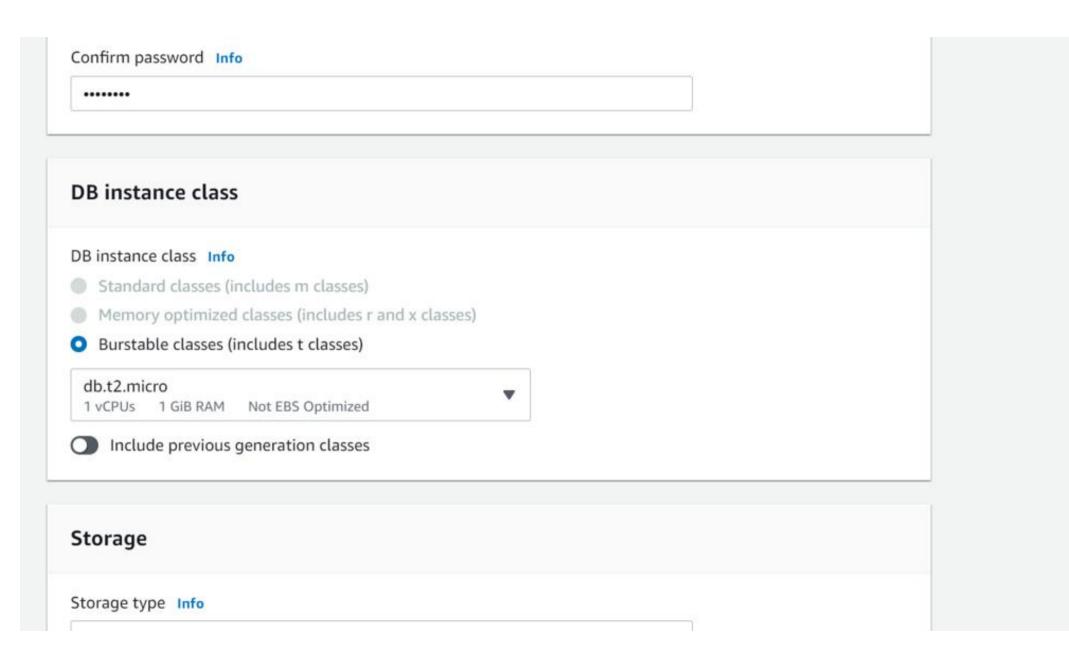
#### DB instance identifier Info

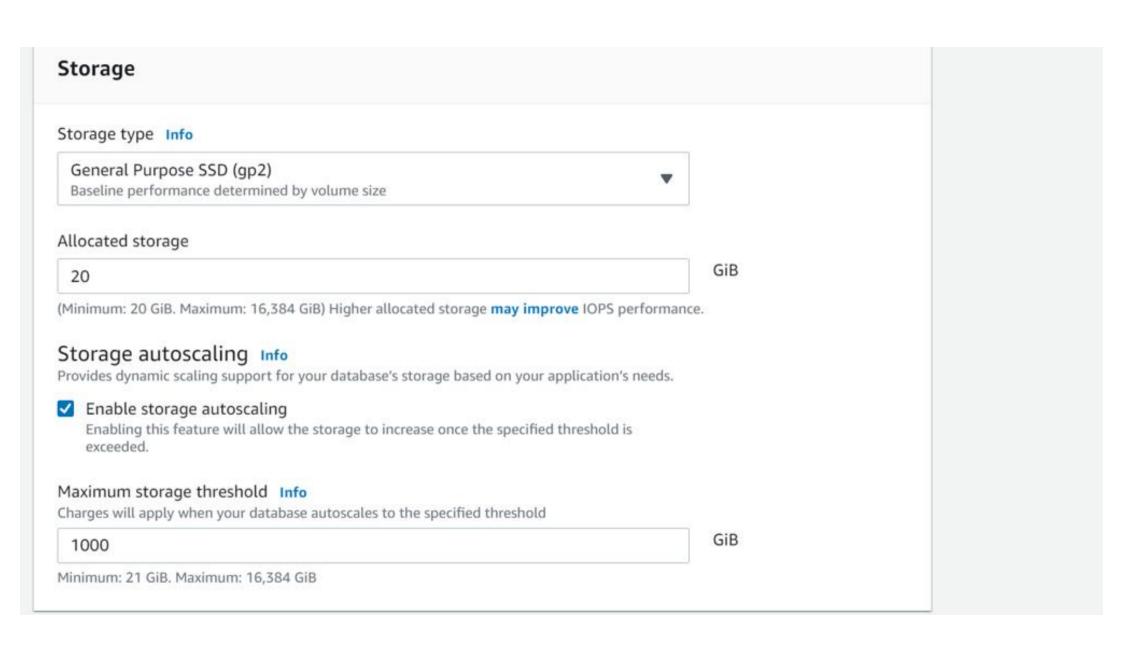
Type a name for your DB instance. The name must be unique across all DB instances owned by your AWS account in the current AWS Region.

#### database-1

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.

database-1				
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				
Master username Info Type a login ID for the master user of your DB instance.				
admin				
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.				
Master password Info				
••••••				
Constraints: At least 8 printable ASCII characters. Can't contain any of the following: / (slash), '(at sign).	(single quote), "(double quote) and @			
Confirm password Info				
••••••				





# Maximum storage threshold Info Charges will apply when your database autoscales to the specified threshold 1000 Minimum: 21 GiB. Maximum: 16,384 GiB

# Availability & durability

#### Multi-AZ deployment Info

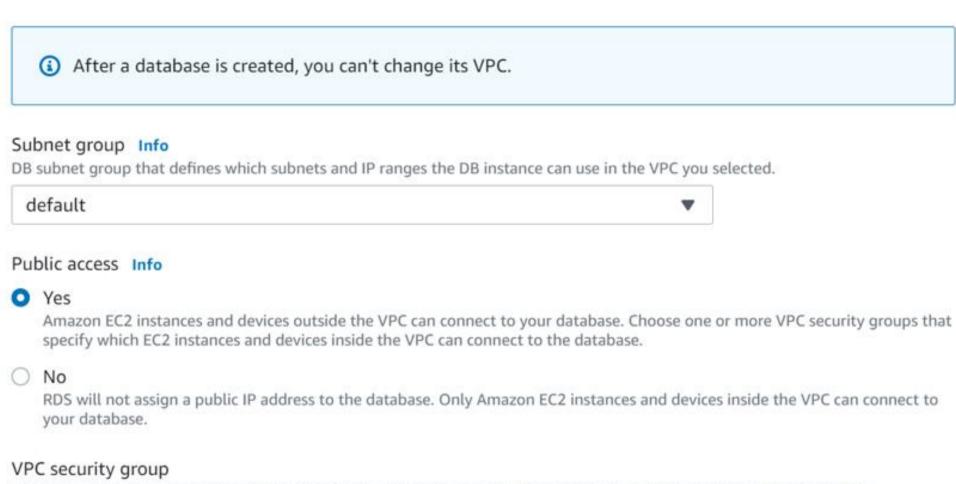
- Create a standby instance (recommended for production usage)
  Creates a standby in a different Availability Zone (AZ) to provide data redundancy, eliminate I/O freezes, and minimize latency spikes during system backups.
- Do not create a standby instance

# Connectivity



Virtual private cloud (VPC) Info

VPC that defines the virtual networking environment for this DB instance.

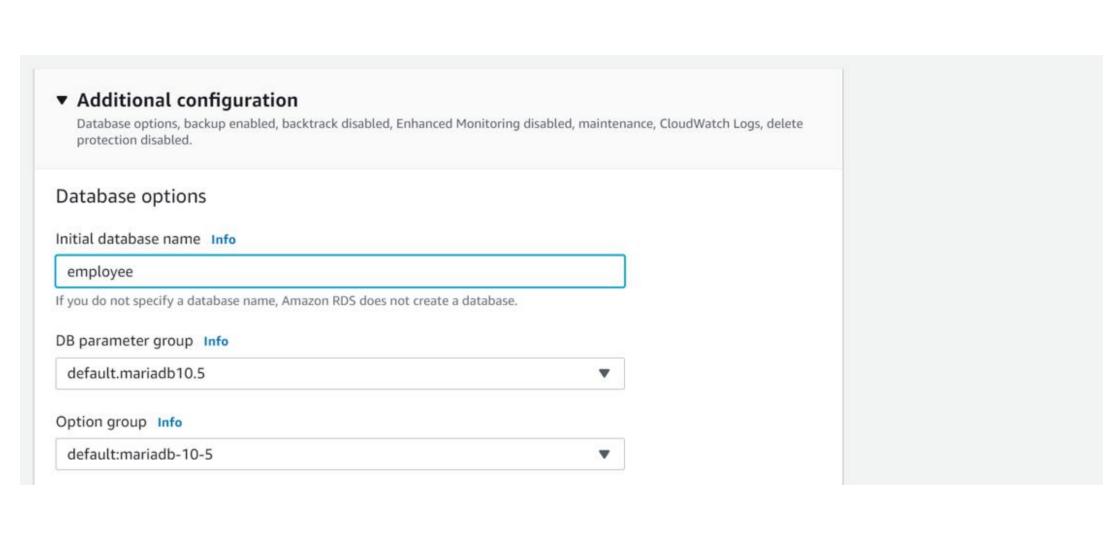


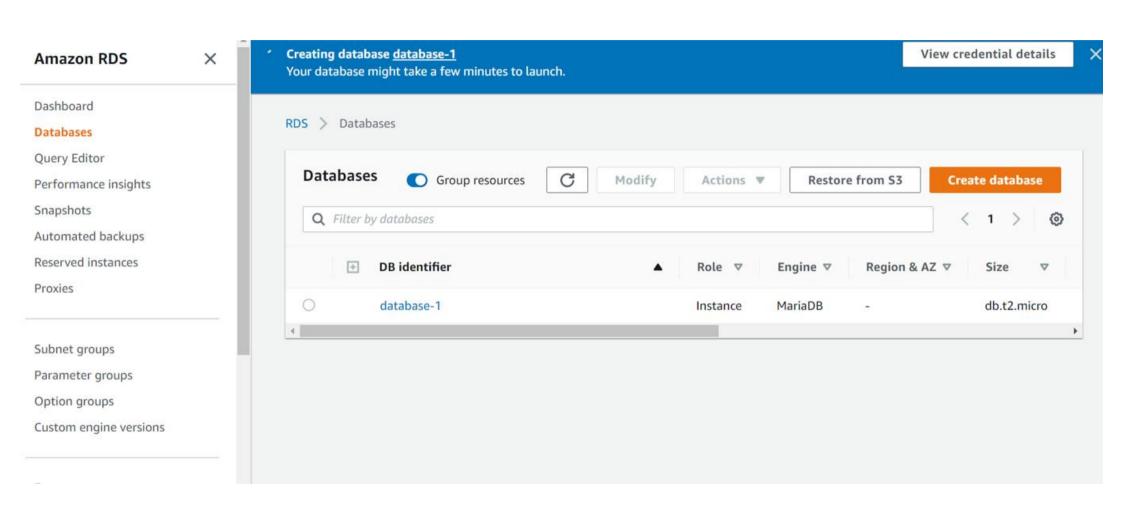
Choose a VPC security group to allow access to your database. Ensure that the security group rules allow the appropriate incoming traffic.

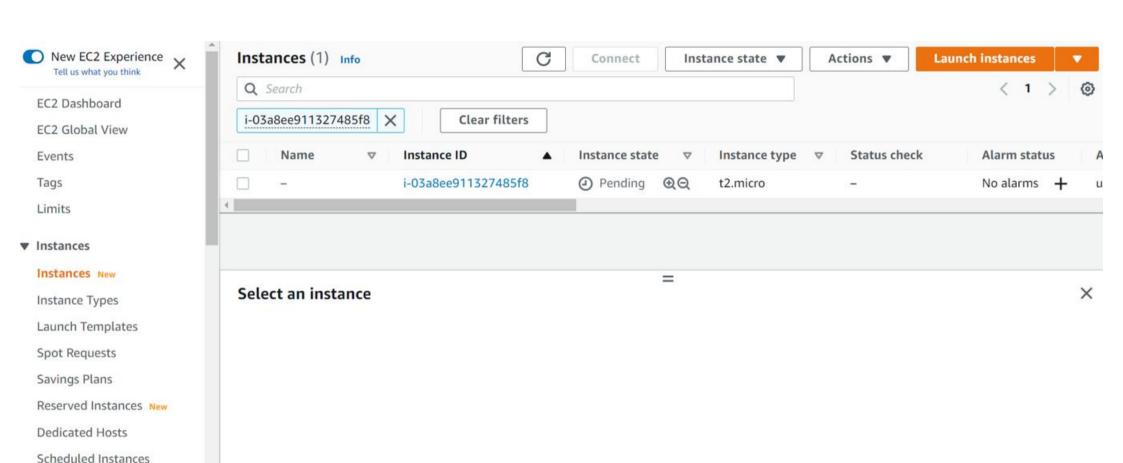




#### Existing VPC security groups







Capacity Reservations

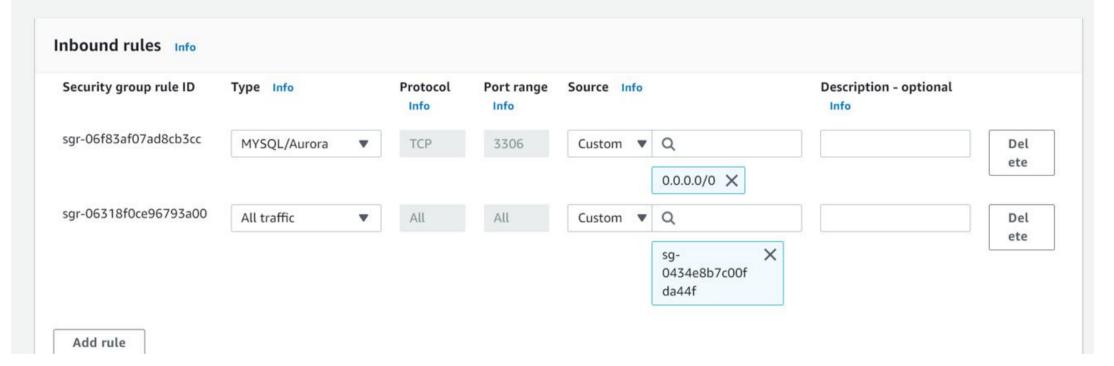
Package	Arch	Version	Repository	Size
========= Installing: mariadb	×86_64	1:5.5.68-1.amzn2	amzn2-core	8.8 M
Transaction Summar	у			
	e: 8.8 M M : y es: mzn2.x86_64.rpm n check n test ucceeded		8.8	4B 00:00:00
Installed: mariadb.x86_64 1	:5.5.68-1.amzn2			
Complete! [root@ip-172-31-5-	96 ec2-user]# <b> </b>			

```
Install 1 Package
Total download size: 8.8 M
Installed size: 49 M
Is this ok [y/d/N]: y
Downloading packages:
mariadb-5.5.68-1.amzn2.x86 64.rpm
                                                                                                                   8.8 MB
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
 Installing : 1:mariadb-5.5.68-1.amzn2.x86 64
 Verifying : 1:mariadb-5.5.68-1.amzn2.x86 64
Installed:
 mariadb.x86 64 1:5.5.68-1.amzn2
Complete!
[root@ip-172-31-5-96 ec2-user]# mysql --version
mysql Ver 15.1 Distrib 5.5.68-MariaDB, for Linux (x86 64) using readline 5.1
[root@ip-172-31-5-96 ec2-user]# mysql -h database-1.cxcyszabpqme.us-west-2.rds.amazonaws.com -P 3306 -u admin -padmin
ERROR 1045 (28000): Access denied for user 'admin'@'172.31.5.96' (using password: YES)
root@ip-172-31-5-96 ec2-user]#
[root@ip-172-31-5-96 ec2-user]#
[root@ip-172-31-5-96 ec2-user]#
```

EC2 > Security Groups > sg-0434e8b7c00fda44f - default > Edit inbound rules

# Edit inbound rules Info

Inbound rules control the incoming traffic that's allowed to reach the instance.



Step 3

Name, review, and create

AWS service

Allow AWS services like EC2, Lambda, or others to perform actions in this account.

AWS account

Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.

Web identity

Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.

SAML 2.0 federation

Allow users federated with SAML 2.0 from a corporate directory to perform actions in this account.

Custom trust policy

Create a custom trust policy to enable others to perform actions in this account.

#### Use case

Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

#### Common use cases

O EC2

Allows EC2 instances to call AWS services on your behalf.

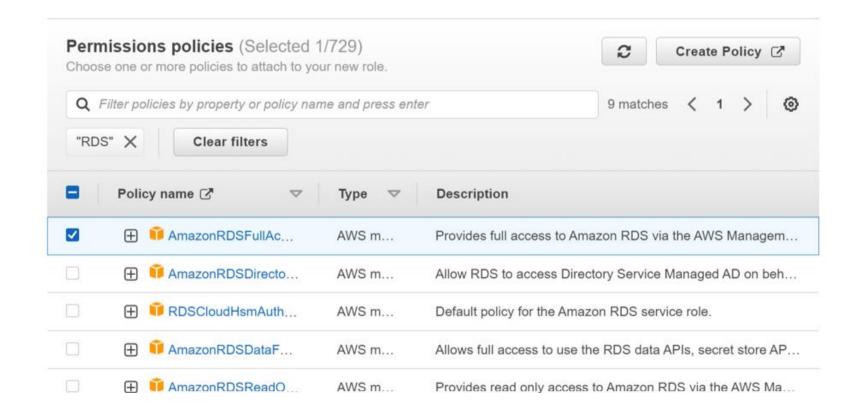
Lambda

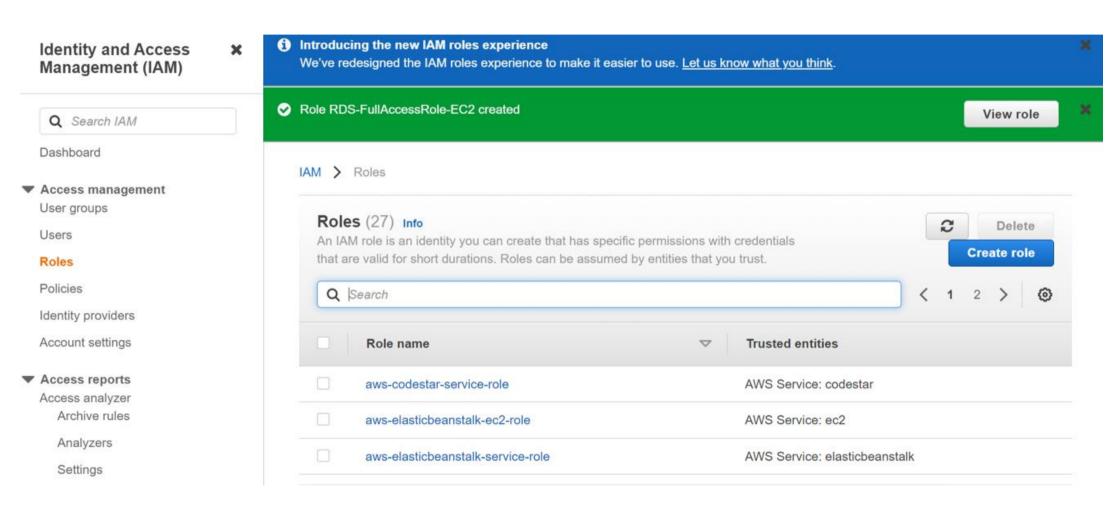
Allows Lambda functions to call AWS services on your behalf.

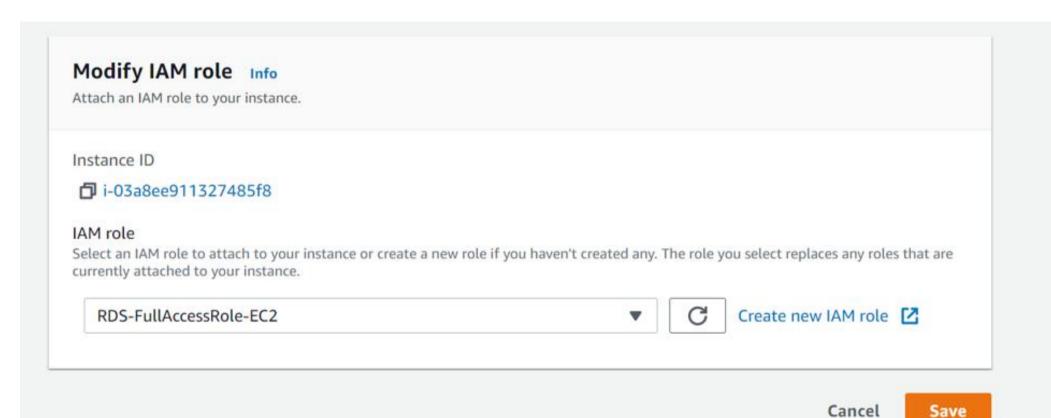
# IAM > Roles > Create role Step 1 Select trusted entity Step 2 Add permissions Step 3

Name, review, and create

# Add permissions







```
[root@ip-172-31-5-96 ec2-user]# mysql -h database-1.cxcyszabpqme.us-west-2.rds.amazonaws.com -P 3306 -u admin -p Enter password:
Welcome to the MariaDB monitor. Commands end with ; or \g.
Your MariaDB connection id is 35
Server version: 10.5.13-MariaDB-log managed by https://aws.amazon.com/rds/
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

MariaDB [(none)]>
```

```
root@ip-172-31-5-96 ec2-user]# mysql -h database-1.cxcyszabpgme.us-west-2.rds.amazonaws.com -P 3306 -u admin -p
Enter password:
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Your MariaDB connection id is 35
Server version: 10.5.13-MariaDB-log managed by https://aws.amazon.com/rds/
Copyright (c) 2000, 2018, Oracle, MariaDB Corporation Ab and others.
Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.
MariaDB [(none)]> show databases
 Database
 employee
 information schema
 innodb
 mysql
 performance schema
 rows in set (0.00 sec)
MariaDB [(none)]>
```