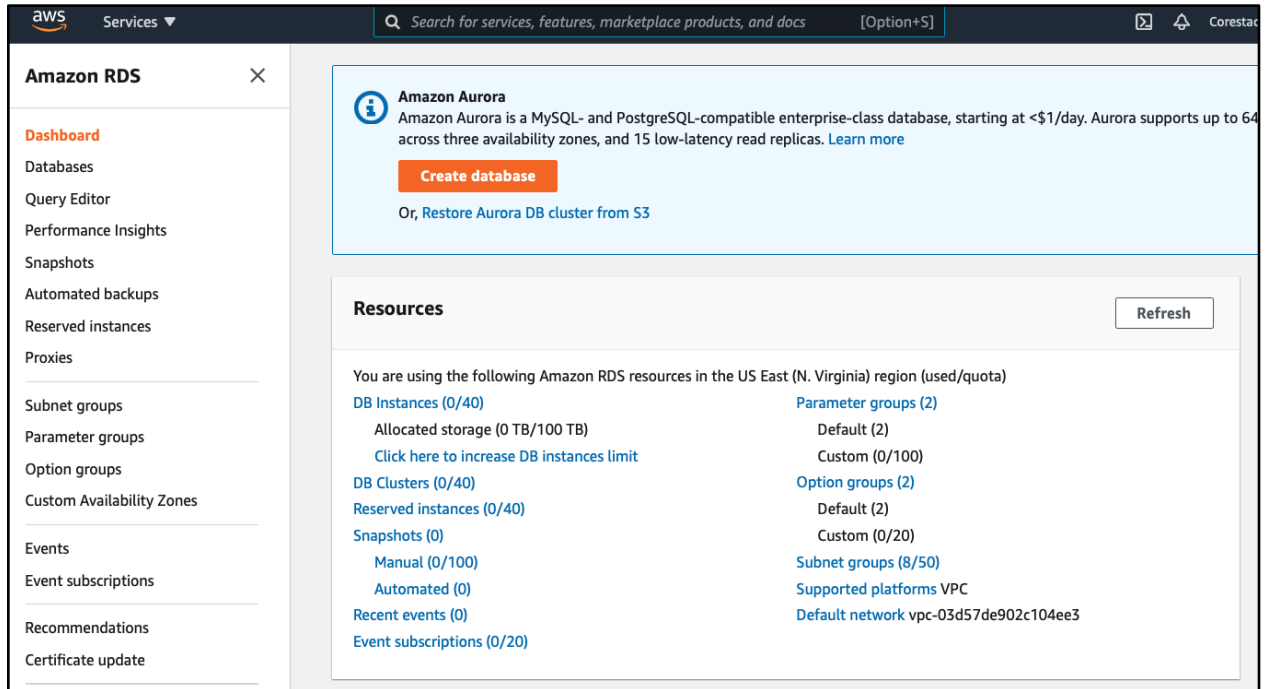


Create an RDS Database Instance

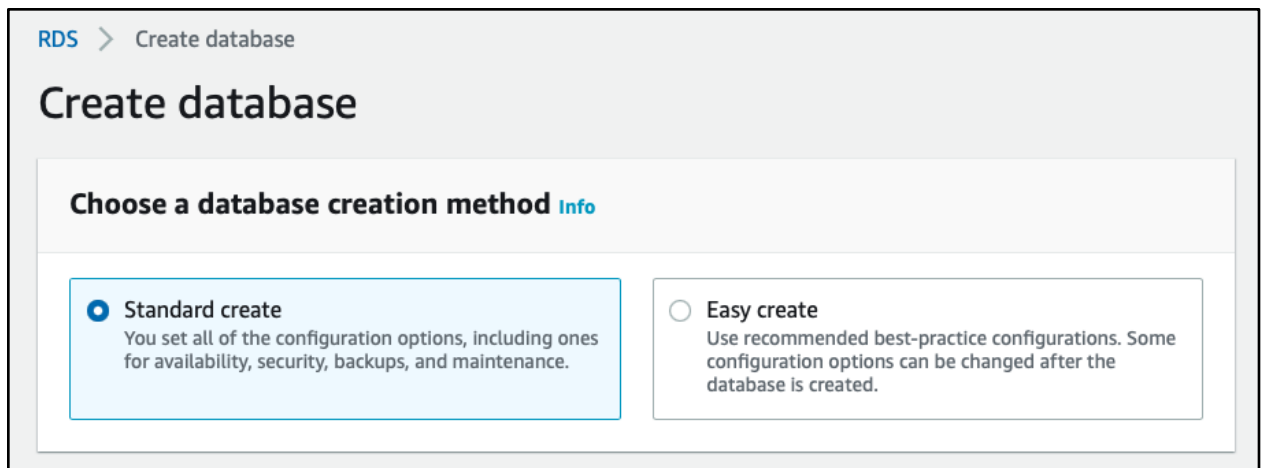
Step 1: Creating the RDS Database instance

- 1.1 Go to the **AWS console** and select **AWS services**. In the search tab, search for **RDS**



- 1.2 To create MySQL DB, set the following configurations:

Under Choose a database creation method, select Standard Create



Engine Type: MySQL

Edition: MySQL Community

Version: Select the latest – MySQL 8.0.19 (make sure it matches with local system MySQL 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](#)

- 1.3 Specify DB Details and provide DB Instance, username and password for your DB Instance before clicking on **Next**

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.

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.

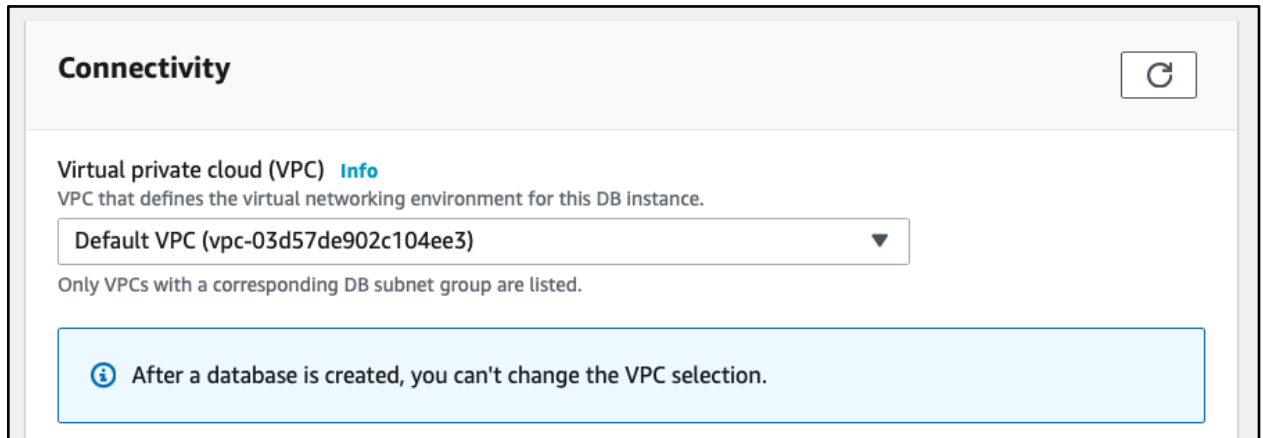
1 to 16 alphanumeric characters. First character must be a letter
☐ **Auto generate a password**
Amazon RDS can generate a password for you, or you can specify your own password

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 password [Info](#)

- 1.4 Under **Connective**, select the default VPC. In the advance settings



The screenshot shows the 'Connectivity' tab in the AWS Management Console. At the top, the title 'Connectivity' is displayed in bold, with a refresh icon to its right. Below the title, the section is titled 'Virtual private cloud (VPC)' with a blue 'Info' link. A descriptive text states: 'VPC that defines the virtual networking environment for this DB instance.' A dropdown menu is shown with the selected option 'Default VPC (vpc-03d57de902c104ee3)' and a downward arrow. Below the dropdown, a note reads: 'Only VPCs with a corresponding DB subnet group are listed.' At the bottom, a light blue information box contains an information icon and the text: 'After a database is created, you can't change the VPC selection.'

- 1.4.1 Set subnet group to **default**
- 1.4.2 Enable **Public accessibility**
- 1.4.3 Under VPC security group, select **Create new**
- 1.4.4 Set database port to **3306**

Subnet group [Info](#)
DB subnet group that defines which subnets and IP ranges the DB Instance can use in the VPC you selected.

default ▼

Public access [Info](#)

☒ **Yes**
Amazon EC2 instances and devices outside the VPC can connect to your database. Choose one or more VPC security groups that specify which EC2 Instances and devices inside the VPC can connect to the database.

☐ **No**
RDS will not assign a public IP address to the database. Only Amazon EC2 instances and devices inside the VPC can connect to your database.

VPC security group
Choose a VPC security group to allow access to your database. Ensure 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 VPC security groups ▼

default ✕

Availability Zone [Info](#)

No preference ▼

▼ **Additional configuration**

Database port [Info](#)
TCP/IP port that the database will use for application connections.

3306 ▲▼

1.5 Under **Additional configuration**, configure the following details:

Initial database name

DB parameter group

Set the backup period to 7 days

▼ Additional configuration

Database options, backup enabled, backtrack disabled, Enhanced Monitoring disabled, maintenance, CloudWatch Logs, delete protection disabled

Database options

Initial database name [Info](#)

database1

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

DB parameter group [Info](#)

default.mysql8.0

Option group [Info](#)


default:mysql-8-0

Backup

Creates a point-in-time snapshot of your database

☒ Enable automatic backups

Creates a point-in-time snapshot of your database

 Please note that automated backups are currently supported for InnoDB storage engine only. If you are using MyISAM, refer to details [here](#).

Backup retention period [Info](#)

Choose the number of days that RDS should retain automatic backups for this instance.

7 days

1.6 Keep all other options as default before launching DB instance