

Database - Relational database service – aurora mysql db


Go to rds

Create database

Standard create

Engine type [Info](#)

☒ Aurora (MySQL Compatible)



Master username [Info](#)

Type a login ID for the master user of your DB instance.

1 to 32 alphanumeric characters. First character must be a letter.

☐ Manage master credentials in AWS Secrets Manager

Manage master user credentials in Secrets Manager. RDS can generate a password for you and manage it throughout its lifecycle.

[i](#) If you manage the master user credentials in Secrets Manager, some RDS features aren't supported.

[Learn more](#) [↗](#)

☐ 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 master password [Info](#)

You are screen sharing [Stop](#)

Username: admin

pass: admin123

Services [Alt+S] N. Virginia qprofiles

2 vCPUs 2 GiB RAM Network: 2,085 Mbps

☐ Include previous generation classes

Availability & durability

A standby database connected to Primary database would be created.

Multi-AZ deployment

☐ 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

☒ you will not have any access to the standby database

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

☐ Connect to an EC2 compute resource

Realtime Multi-AZ ⇒ backup of database in another Availability zone

My Batches x AWS Man x Pure white x 43.205.127 x Qprofiles x Create dat x Post Att x Pure white x

ledr.com/colours/white.htm

→ Primary database is not working.
Standby database will become Primary.
It will check for 20 sec for Primary to come live

yes/
old Primary will now Standby database

No
A new standby database would be created.

Realtime Multi-AZ ⇒ backup of database in another Availability zone

You are screen sharing Stop Share

Mute Start Video Participants 49 Q&A Polls New Share Pause Share Annotate Remote Control Apps More

7:43 AM 5/23/2023

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-0e2933e58bae89625)
6 Subnets, 6 Availability Zones

Only VPCs with a corresponding DB subnet group are listed.

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

New VPC security group name

qprofiles-new-sg-forrds

Availability Zone [Info](#)

No preference

RDS Proxy

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

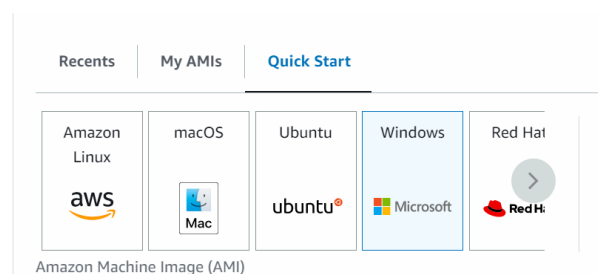
☐ **Create an RDS Proxy** [Info](#)
RDS automatically creates an IAM role and a Secrets Manager secret for the proxy. RDS Proxy has additional costs. For more information, see [Amazon RDS Proxy pricing](#).

► Additional configuration

Create a database

After the database is created

Lets go to ec2 and create a windows machine



Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add your instance.

☒ Create security group

☐ Select existing security group

We'll create a new security group called 'launch-wizard-6' with the follow

☒ Allow RDP traffic from

Helps you connect to your instance

Anywhere

0.0.0.0/0

☒ Allow HTTPS traffic from the internet

To set up an endpoint, for example when creating a web server

☒ Allow HTTP traffic from the internet

To set up an endpoint, for example when creating a web server

Scroll up and click edit (as screenshot below)

▼ Network settings [Info](#)

Edit

Network [Info](#)

vpc-0e2933e58bae89625

Subnet [Info](#)

No preference (Default subnet in any availability zone)

Auto-assign public IP [Info](#)

Enable

Firewall (security groups) [Info](#)

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

☒ Create security group

☐ Select existing security group

Add a security group rule

▼ Security group rule 4 (TCP, 3306, 0.0.0.0/0)

Remove

Type [Info](#)

MySQL/Aurora

Protocol [Info](#)

TCP

Port range [Info](#)

3306

Source type [Info](#)

Anywhere

Source [Info](#)

0.0.0.0/0

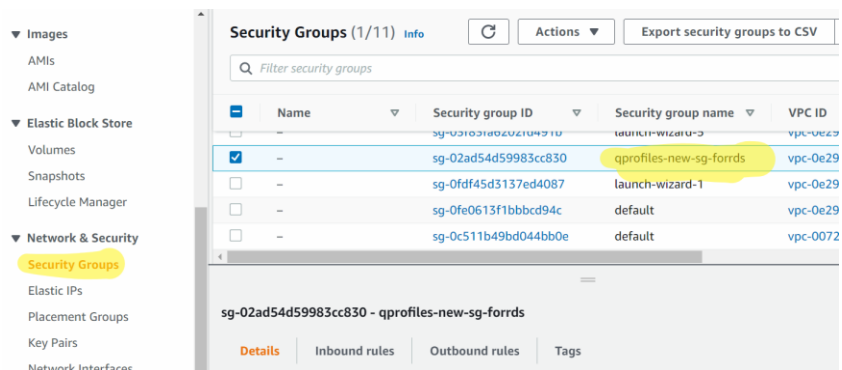
Description - optional [Info](#)

e.g. SSH for admin desktop

Launch instance

<input checked="" type="checkbox"/>	Name	Instance ID	Instance state	Instance type	Status
<input checked="" type="checkbox"/>	mainmachine	i-08a0d5bc669d2d7f8	Pending	t2.large	-

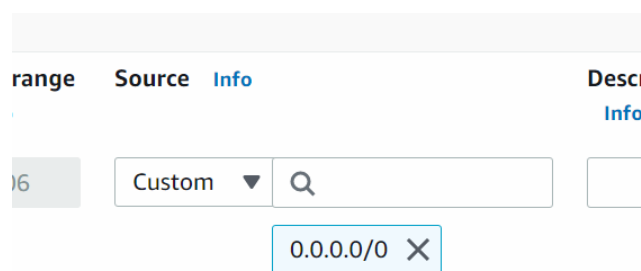
Now let's go to security group and search for the security group which you created while creating RDS server



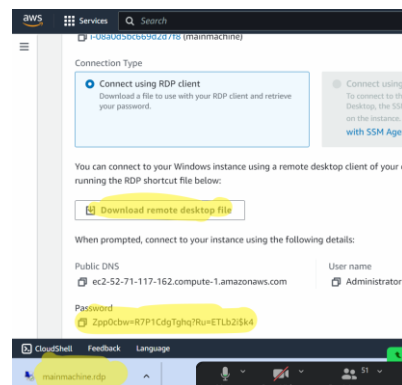
Edit inbound rules

Remove custom source and add your own source

Save rule



Now connect to your machine



Try connecting to the machine

In this machine we will install sql workbench and we will try to establish connection via aurora db

Open Microsoft edge (browser) in your machine

The screenshot shows a Microsoft Bing search results page for the query 'sql workbench'. The browser's address bar shows the URL: <https://www.bing.com/search?q=sql+workbench&cvid=c0fe7829b2c54db1bc8d713fca7e30f0&aqs=edge.0.0j69i57j0i7.3833j0j4&F...>. The search bar contains 'sql workbench'. Below the search bar, there are tabs for SEARCH, CHAT, IMAGES, VIDEOS, MAPS, NEWS, SHOPPING, and MORE. The main search results section features a large card for 'MySQL Workbench' with the subtitle 'Database design graphical tool'. This card includes buttons for 'Download', 'Features', 'Documentation', and 'Forums'. To the left of the main card is a sidebar with a 'Content' section containing links to 'Design', 'Develop', 'Administer', and 'Visual Perform...'. The main card itself has a title 'MySQL :: MySQL Workbench' and a URL 'https://www.mysql.com/products/workbench'. The text below the title describes MySQL Workbench as a unified visual tool for database architects, developers, and DBAs, providing data modeling, SQL development, and comprehensive administration tools for server configuration, user administration, backup, and much more. It also mentions that MySQL Workbench is available on various platforms. To the right of the main card is a social media sharing section with a 'b' logo and icons for sharing, commenting, and downloading. Below this is a 'Learn more:' link.

[MySQL :: Begin Your Download](#)

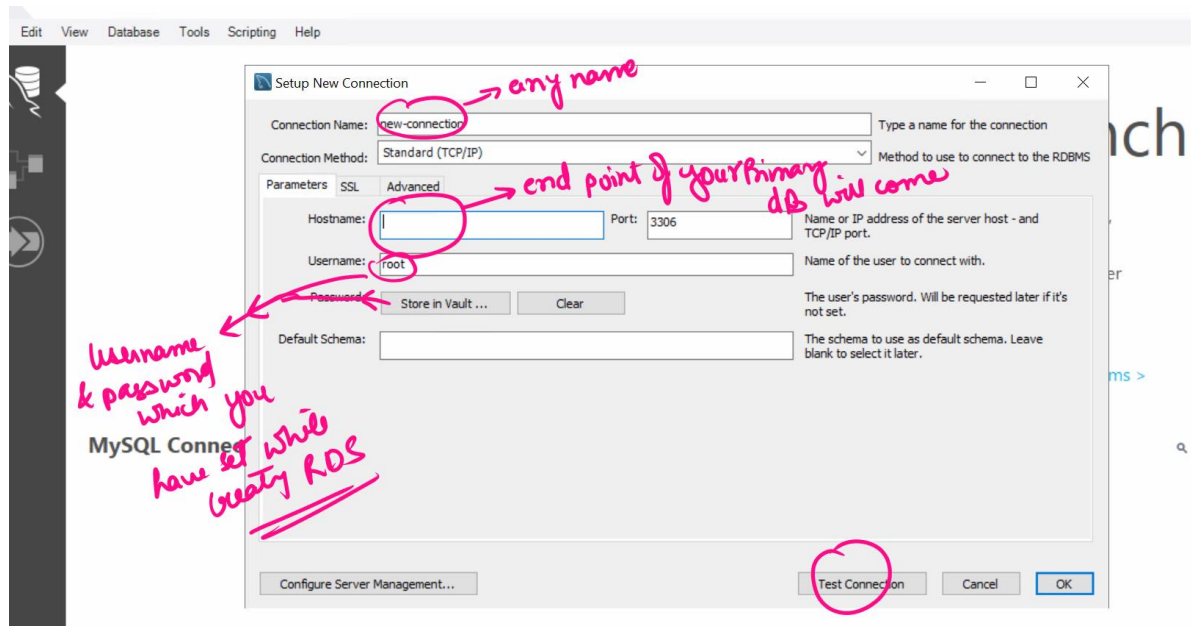
Click on No thanks, start my download

Install workbench in your machine

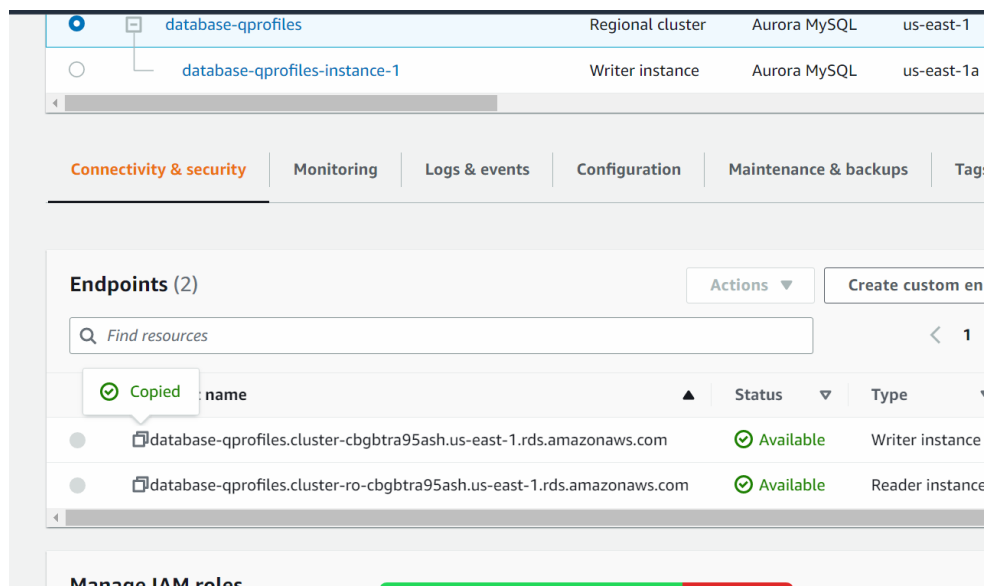
Start workbench

Click on + sigh





Go to aws console -> rds -> click on ur database -> copy endpoint



In our case username is admin

Click on store in vault and put the pass admin123(which we have used while creating rds)

Test connection

on

w-connection

andard (TCP

dvanced

a95ash.us-e

min

Store in Val

anement...

Type a name for

Method to use to

ddress of the serv

user to connect wi

ssword. Will be re

to use as default s

ct it later.

MySQL Workbench

i

Successfully made the MySQL connection

Information related to this connection:

Host:
database-qprofiles.cluster-cbgbtra95ash.us-east-1.rds.a...
Port: 3306
User: admin
SSL: enabled with ECDHE-RSA-AES128-GCM-SHA256

A successful MySQL connection was made with
the parameters defined for this connection.

OK

Test Connection

C

