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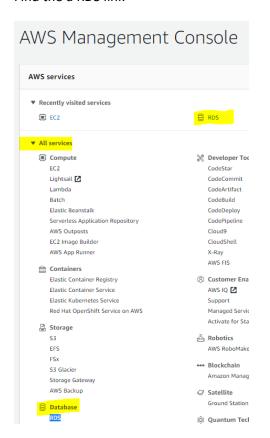
Create Amazon RDS Database Instance

Login to your AWS account



Get to the RDS console

Find the a RDS link



Click "DB Instances..." link under resources



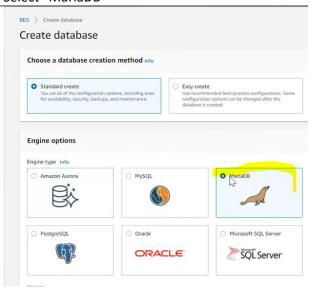
Create a Database Instance

Click "Create database"



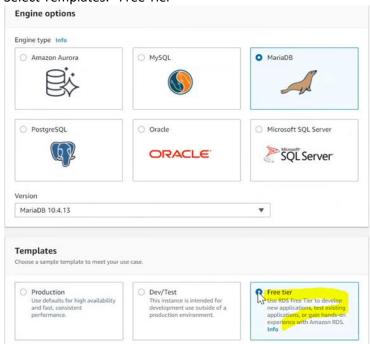
Create database

Select "MariaDB"



Engine options

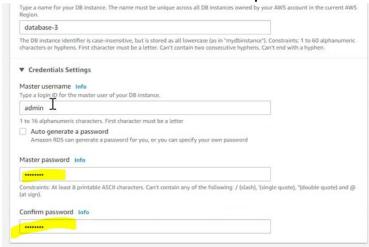
Select Templates: "Free Tier"



Credentials Settings

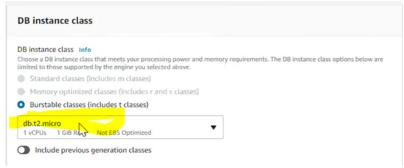
Make note of master username: admin Enter a value for "Master password" Enter same value for "Confirm password"

Make sure to save the username and the password for later use.



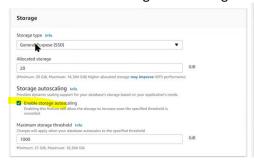
DB Instance Class

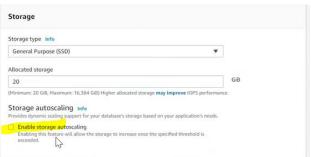
Free Tier only offers db.t2.micro class



Storage

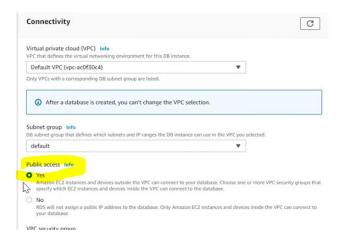
Uncheck "Enable storage autoscaling"





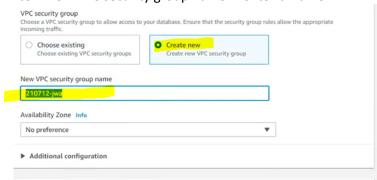
Connectivity

Select "Public access" "Yes" radio button



VPC security group

Select "Create new" radio button
Enter "New VPC security group name" <enter-a-name>



Select dropdown arrow for "Additional configuration" in Connectivity area Verify port 3306



Additional configuration

Select the drop down arrow to show the additional database options

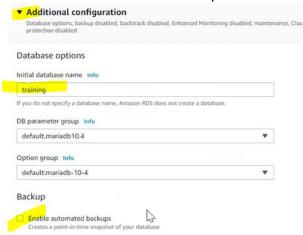
► Additional configuration

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

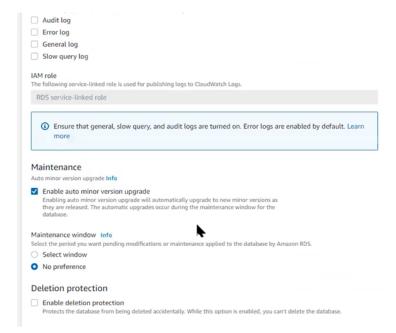
Enter "Initial database name"

Make sure to make note of the database name for later use.

Uncheck "Enable automated backups"

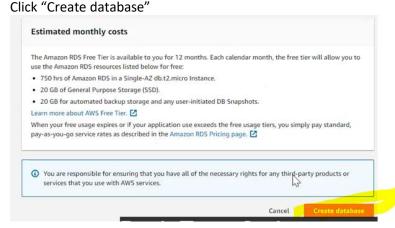


Accept the rest of section's defaults



Create the database

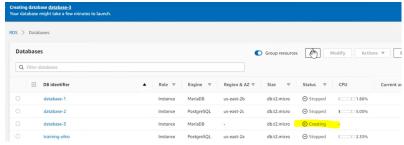
Scroll down the page



Create Database Status

Redirected to the RDS>Databases page

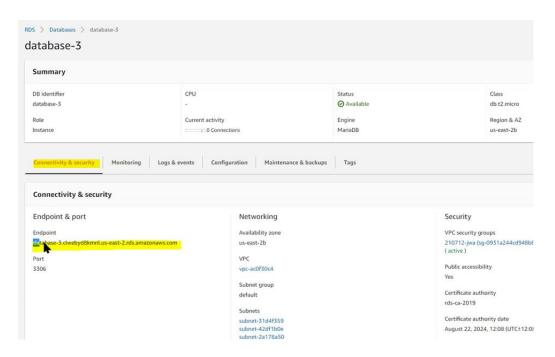
Review the status



Click on database link once it is available



Review and additional settings



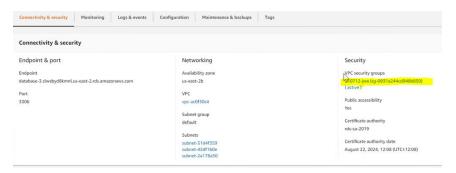
DBeaver connection

Copy endpoint to create DBeaver connection on your local machine



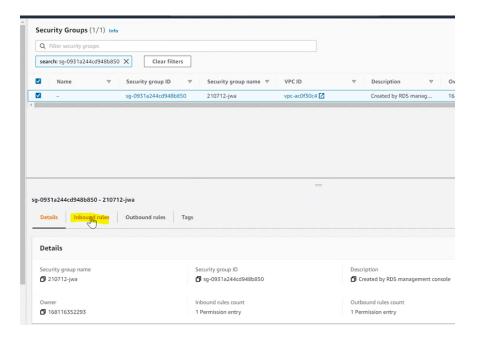
Connectivity & security

Click the link under "VPC security groups"



Security Groups

Click "Inbound rules" tab

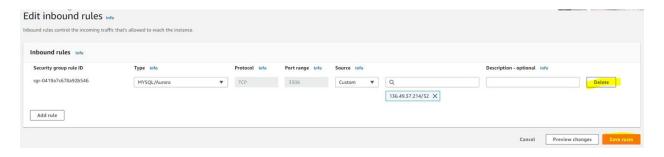


Click "Edit inbound rules"



Edit inbound rules

Click "Delete" button



Create new rule for My IP

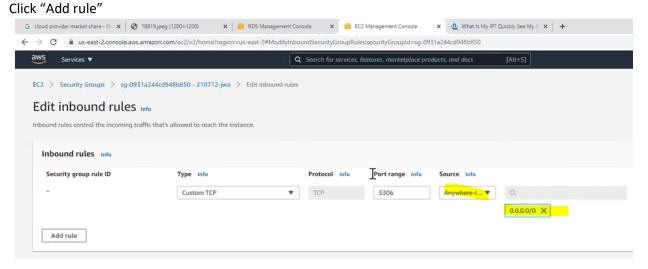
Select Type: "Custom TCP" Enter Port range "3306" Select Source "My IP"



The setting above will only allow connect from one IP source, your machine. This is not practical and does not work if you have a Private VPN install that changes your outside world IP periodically. Instead I create a rule for Anywhere IP.

Create new rule for Anywhere

Select Type: "Custom TCP" Enter Port range "3306" Select Source "Anywhere-IPv4"



This concludes creating an AWS RDS Database instance.

Next setup a MariaDB connection.

Connect to the AWS RDS Database Instance

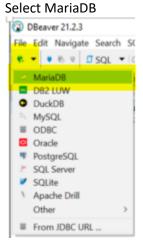
MariaDB Connection

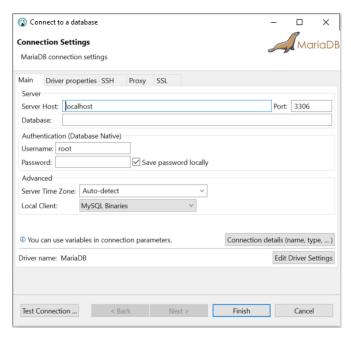
On your local Machine

Open DBeaver

Create a connection

Select the dropdown arrow





Update the Connection Settings with the AWS information

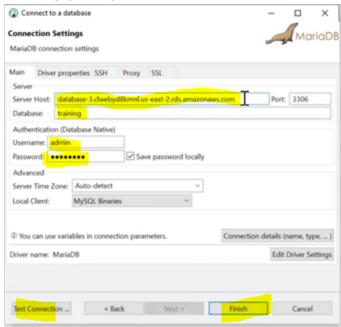
Enter the AWS values capture in setting up the database instance Enter Connection endpoint as Server Host Database name from AWS

Username from AWS admin

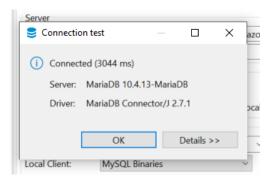
Password from AWS

Click "Test Connection"

Click "Finish"



If all goes well you will be connected to the database instance on AWS



This ends Connect to the AWS RDS Database Instance