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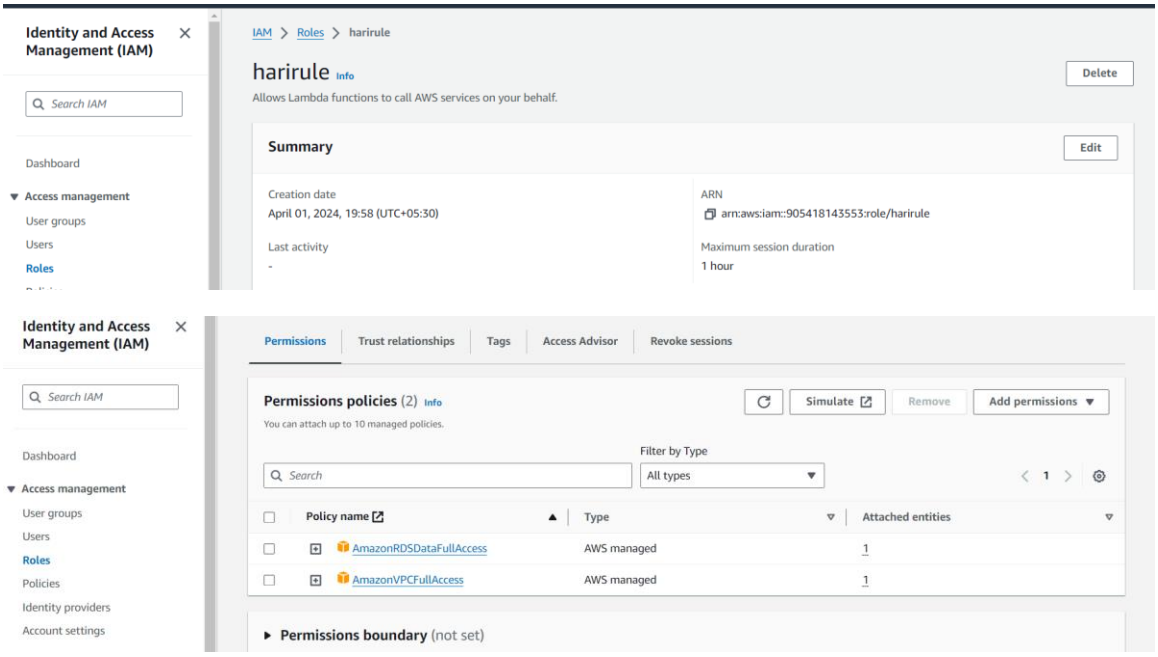
Batch:119(7am)

Create a IAM:

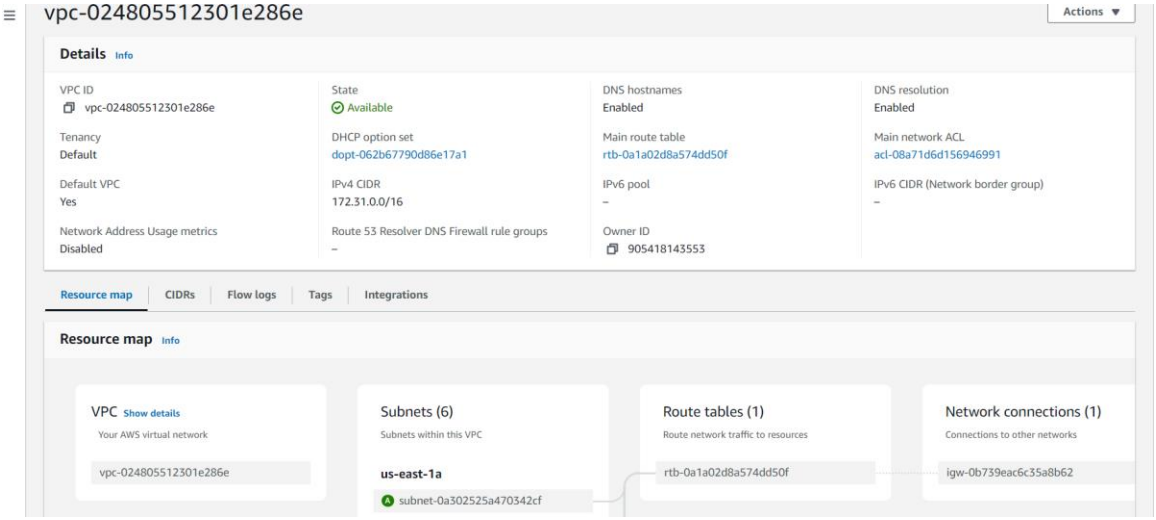
- create a IAM role for lambda with a specific name and attatch policies for vpcfullaccess and RDSdatafullaccess.



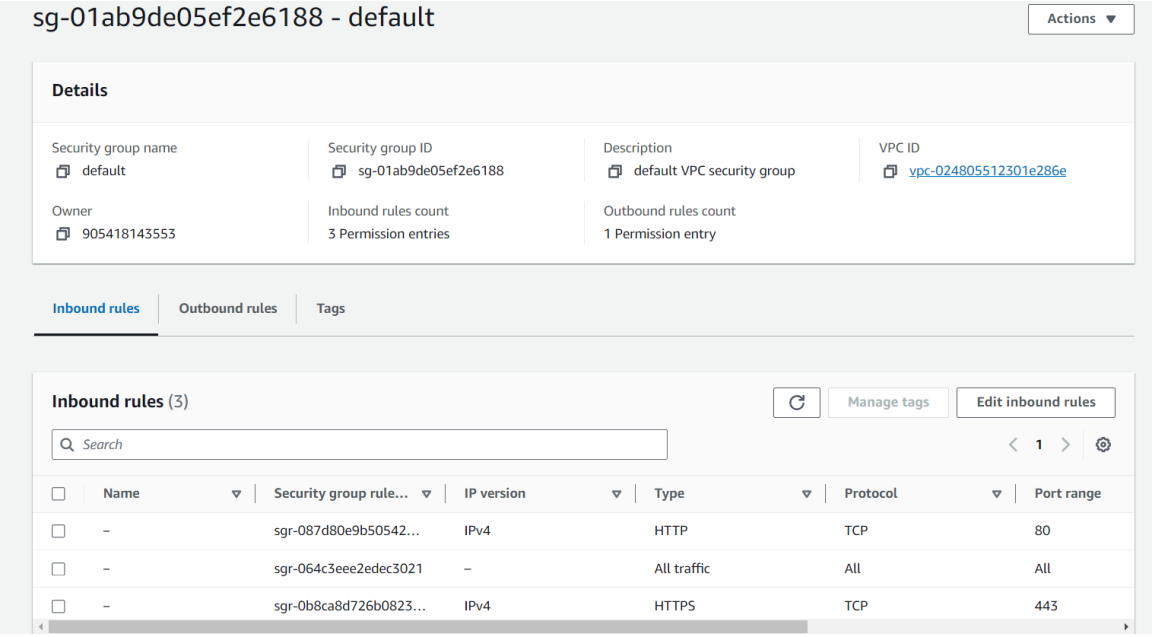
create a vpc:

- Internet access to lambda function attached to a vpc in aws.
- Navigating to the vpc console then click on vpc and give your vpc a name select a cider block then choose default for tenancy.
- I am going to select one for availability zone one for public subnet one for private subnet and one nat gateway hit create.

- VPC then give it few minutes for the vpc workflow to complete you should now see two subnets and two route tables the private route table should have a route to the Nat gateway.
- The public routetable should have a route to the internet gateway you should also see one active internet gateway one elastic IP and one active nat gateway.

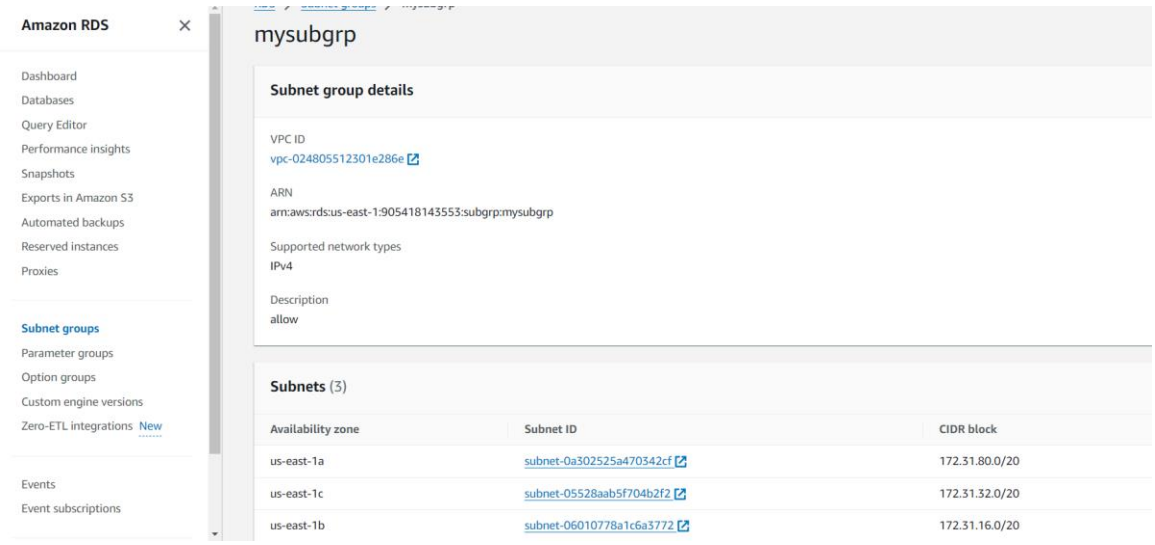


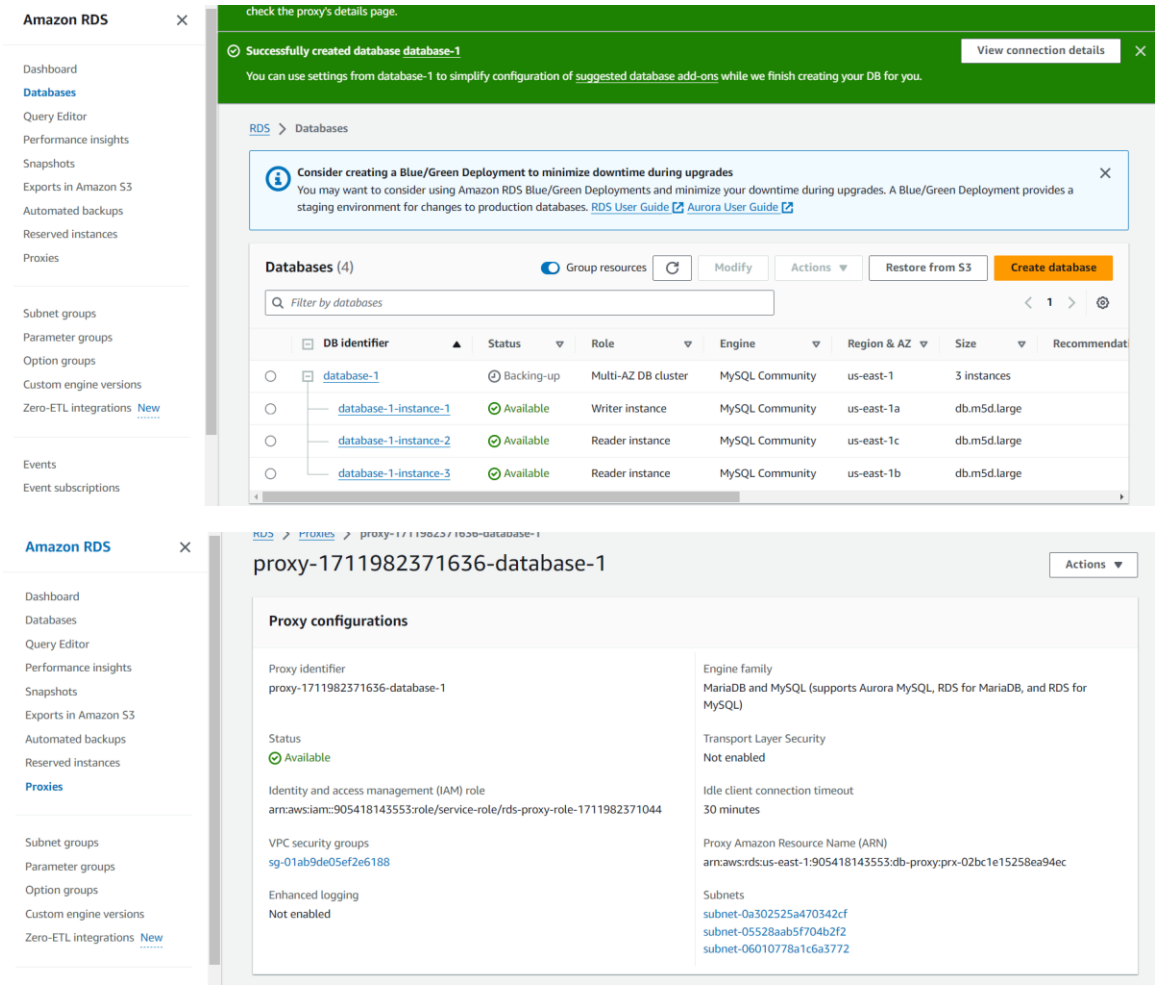
- Next click on security groups then click create security group give your security group a name a description then select the my-vpc in the inbound rules section.
- I am going to create two rules one for HTTP to anywhere and the second for HTTPS to anywhere then hit create.



create a RDS database:

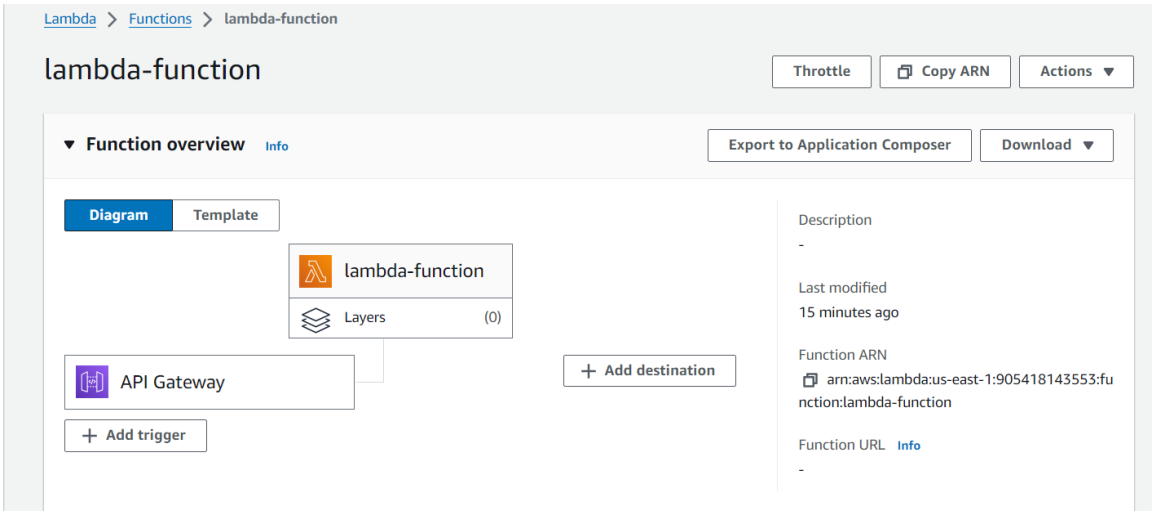
- In rds console we create a subnetgroup and create a database and dataproxy.

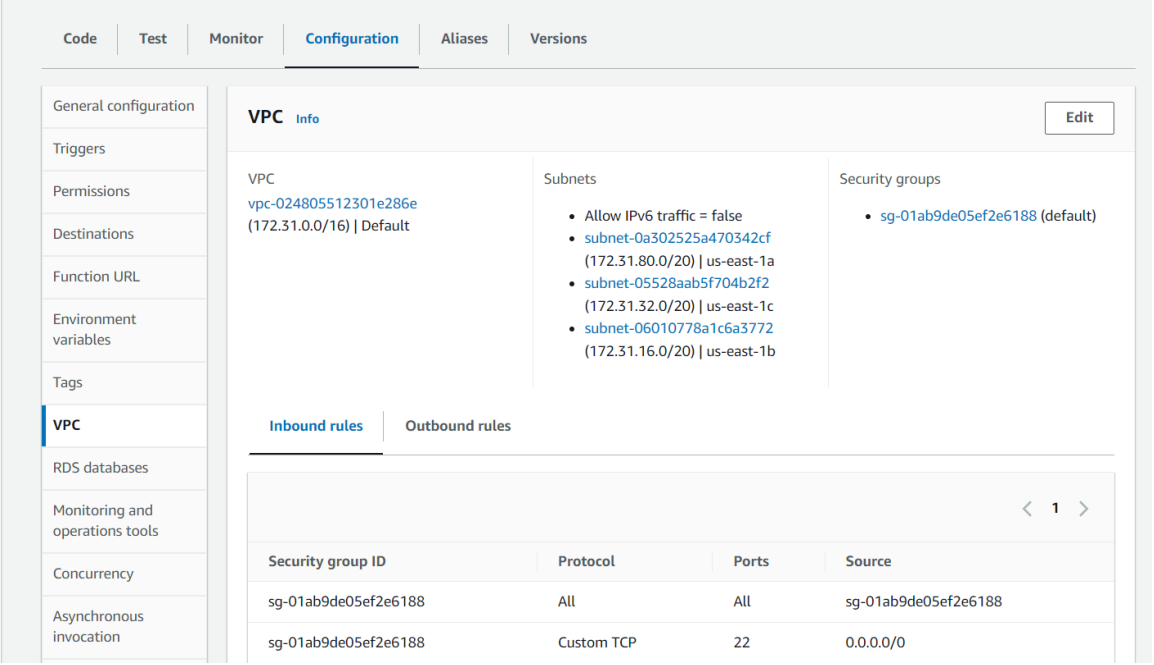




create a lambda function to attatch VPC and RDS

- Navigate to the Lambda console the click on create function then give your function a name.
- I am going to select python for runtime then expand the advanced settings section and check enable vpc here choosec my-vpc then select the private subnet this will allow the private IP of your lambda function to be translated into a public ip using the NAT Gateway so it can connect to the internet for security group choose the security group then hit create give it a few minutes then the code source section here change the body.





- Code source section then hit the test button give your test event a name then click save then git test again to execute your Lambda function lools like the function worked as expected.

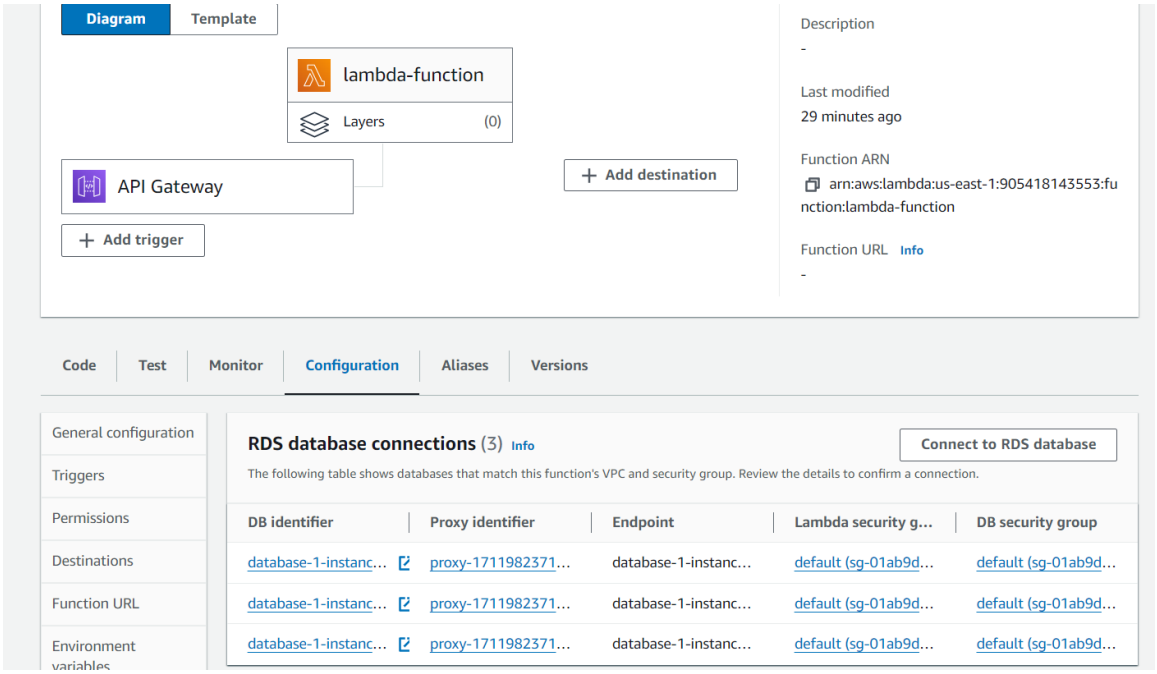


Diagram
Template
lambda-function
Layers
(0)
API Gateway
Add destination
Add trigger
Description
-
Last modified
29 minutes ago
Function ARN
arn:aws:lambda:us-east-1:905418143553:function:lambda-function
Function URL
Info
-
Code
Test
Monitor
Configuration
Aliases
Versions
General configuration
Triggers
Permissions
Destinations
Function URL
Environment variables
RDS database connections (3)
Info
Connect to RDS database
The following table shows databases that match this function's VPC and security group. Review the details to confirm a connection.
DB identifier
Proxy identifier
Endpoint
Lambda security g...
DB security group
database-1-instanc...
proxy-1711982371...
database-1-instanc...
default (sg-01ab9d...
default (sg-01ab9d...