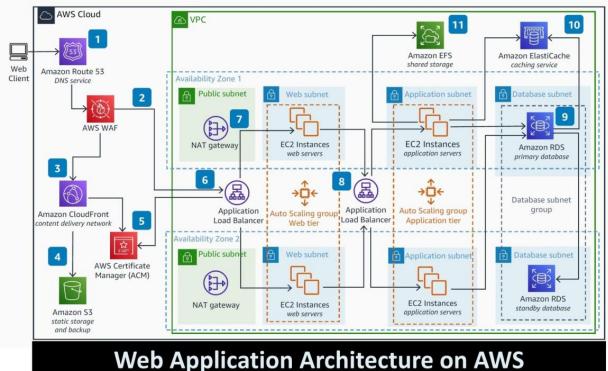
MODEL DIAGRAM



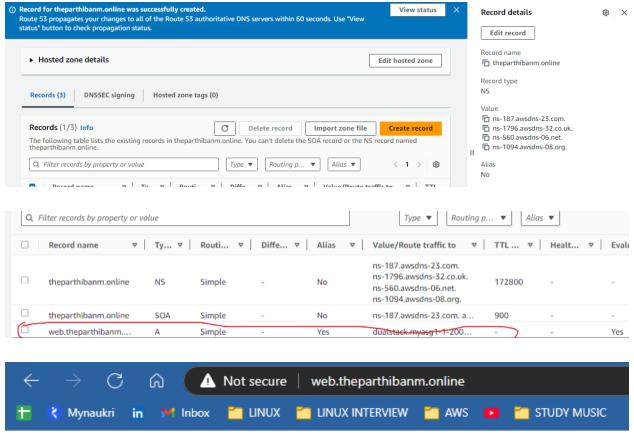
CREATE 1 VPC

2 PUB, 2 PRIVATE, ANOTHER 2 PRIVATE SUBNET

CREATE AUTO SCALING GROUP FOR PUB SUBNET AND CHECK THE LOAD BALANCER DNS IT WILL WORK

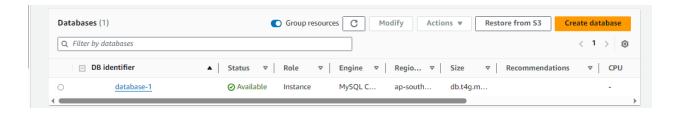
CREATE 2ND AUTO SCALING GROUP FOR PRIVATE SUBNET WITH INTERNAL LOAD BALANCER CHECK THIS DNS WITH THE ROUTE 53

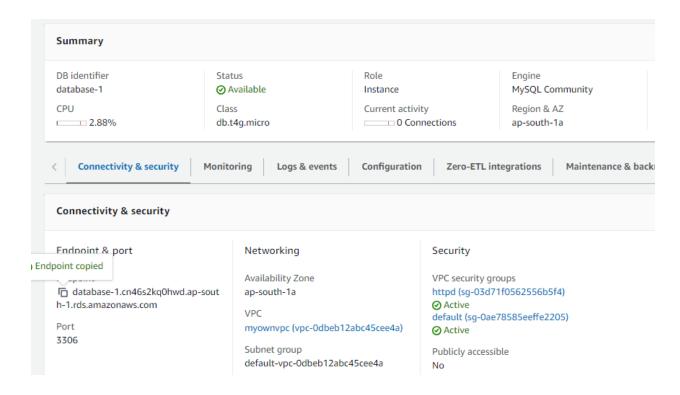
NOW ADD THIS ROUTE 53 4 AWS DNS TO THE HOSTINGER WEBSITE WHERE YOU ALREADY GOT THE DOMAIN NAME



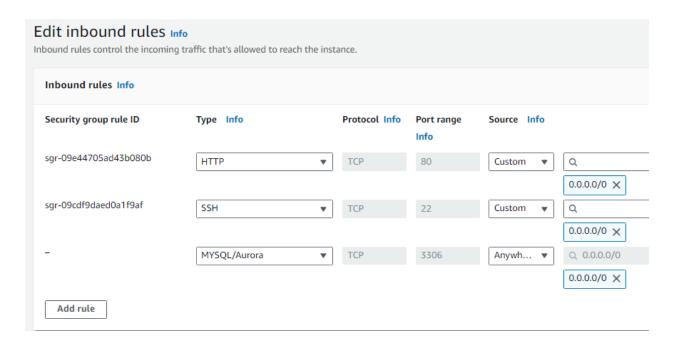
this is cloud watch test

create nat gateway for private subnets create a db instance in the private subnet 5





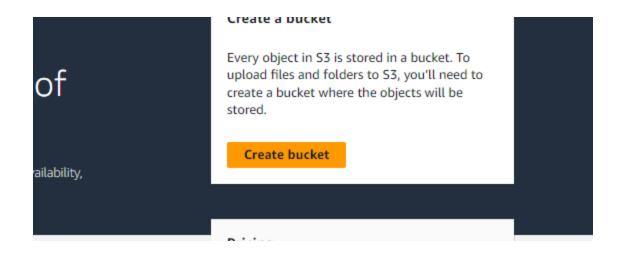
enable the mysql port in the security group

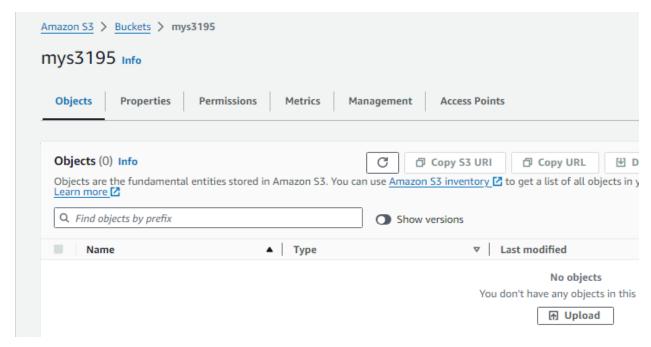


take the public instance connect and take console of private instance and acces the db instance

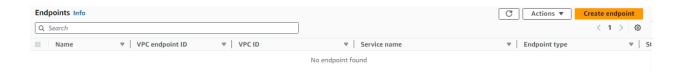
```
Last login: Thu Oct 24 12:50:36 2024 from 192.168.2.6 [ec2-user@ip-192-168-3-7 ~]$ sudo -i
[root@ip-192-168-3-7 ~] # yum whatprovides mysql
Amazon Linux 2023 repository
Amazon Linux 2023 Kernel Livepatch repository
mariadb105-3:10.5.16-1.amzn2023.0.7.x86 64 : A very fast and robust SQL database server
           : amazonlinux
Repo
Matched from:
Filename
           : /usr/bin/mysql
mariadb105-3:10.5.18-1.amzn2023.0.1.x86 64 : A very fast and robust SQL database server
Repo : amazonlinux
Matched from:
Filename : /usr/bin/mysql
mariadb105-3:10.5.20-1.amzn2023.0.1.x86 64 : A very fast and robust SQL database server
          : amazonlinux
Matched from:
Filename
            : /usr/bin/mysql
mariadb105-3:10.5.23-1.amzn2023.0.1.x86 64 : A very fast and robust SQL database server
           : amazonlinux
Repo
Matched from:
Filename : /usr/bin/mysql
mariadb105-3:10.5.25-1.amzn2023.0.1.x86 64 : A very fast and robust SQL database server
Repo
           : amazonlinux
Matched from:
           : /usr/bin/mysql
Filename
[root@ip-192-168-3-7 ~] # yum install mariadb105-3:10.5.16-1.amzn2023.0.7.x86 64
```

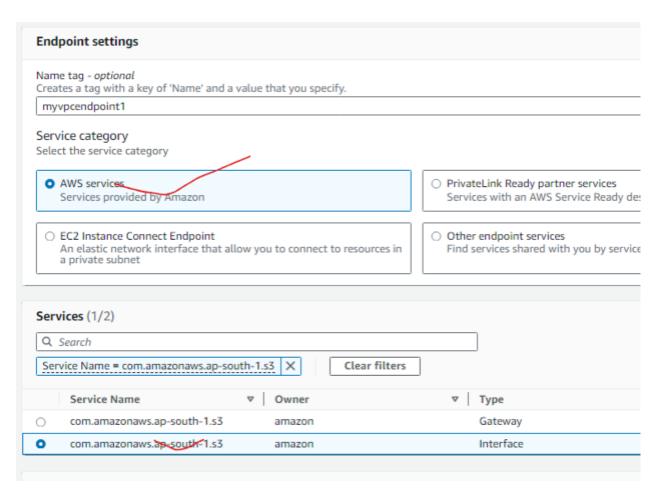
create s3 bucket

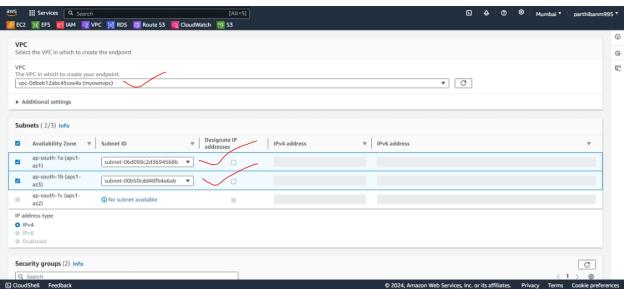


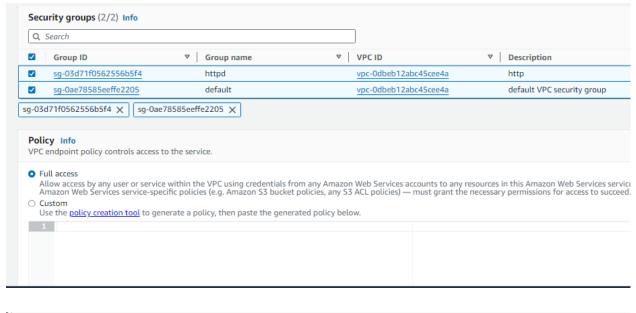


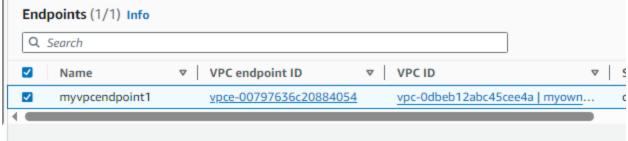
create endpoint for vpc



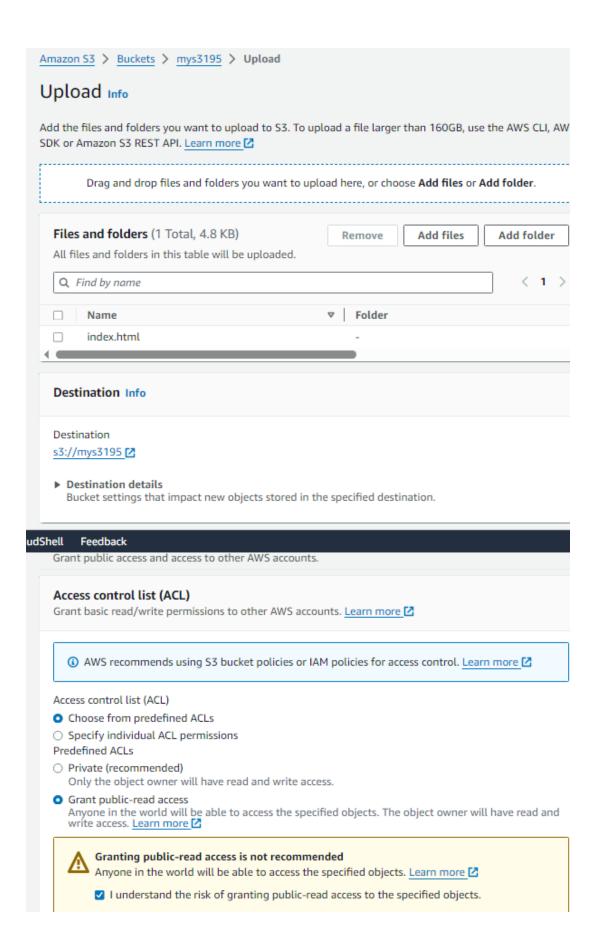




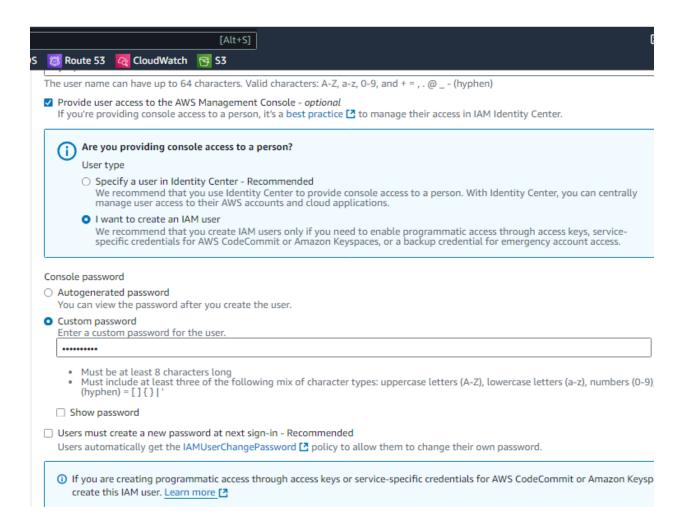




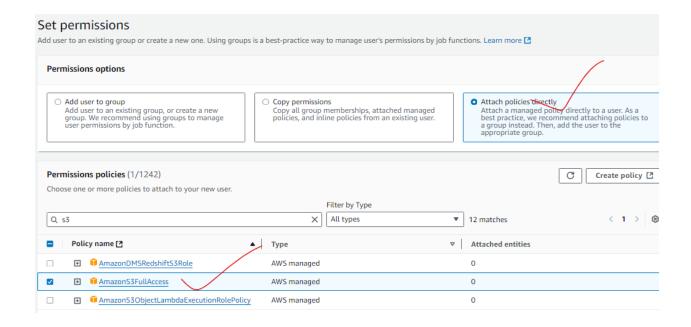
upload file to s3 bucket



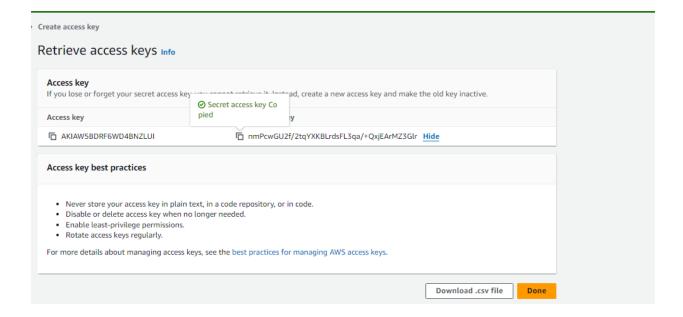
create one IAM user



attach s3 policy for that user



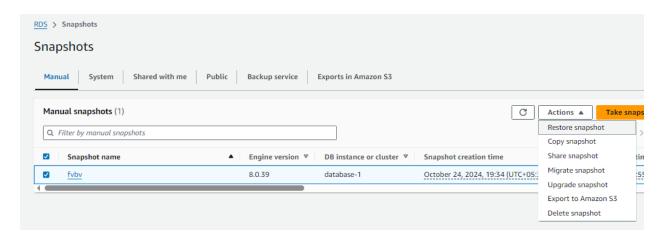
create access key for the user



connect your public instance and check the output

```
Amazon Linux 2023
                        https://aws.amazon.com/linux/amazon-linux-2023
Last login: Thu Oct 24 13:02:49 2024 from 13.233.177.3
[ec2-user@ip-192-168-2-6 ~]$ sudo -i
[root@ip-192-168-2-6 ~] # ssh ec2-user@192.168.3.7 -i file1.pem
                        Amazon Linux 2023
                        https://aws.amazon.com/linux/amazon-linux-2023
Last login: Thu Oct 24 13:05:29 2024 from 192.168.2.6
[ec2-user@ip-192-168-3-7 ~]$ sudo -i
[root@ip-192-168-3-7 ~]# aws configure
AWS Access Key ID [None]: AKIAW5BDRF6WD4BNZLUI
AWS Secret Access Key [None]: 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
Default region name [None]: ap-south-1
Default output format [None]:
[root@ip-192-168-3-7 ~] # aws s3 ls s3://mys3195
2024-10-24 13:28:50
                              4957 index.html
[root@ip-192-168-3-7 ~]#
```

now backup the rds database in thes3 bucket using optional group or through rds snapshot



export to amazon s3

