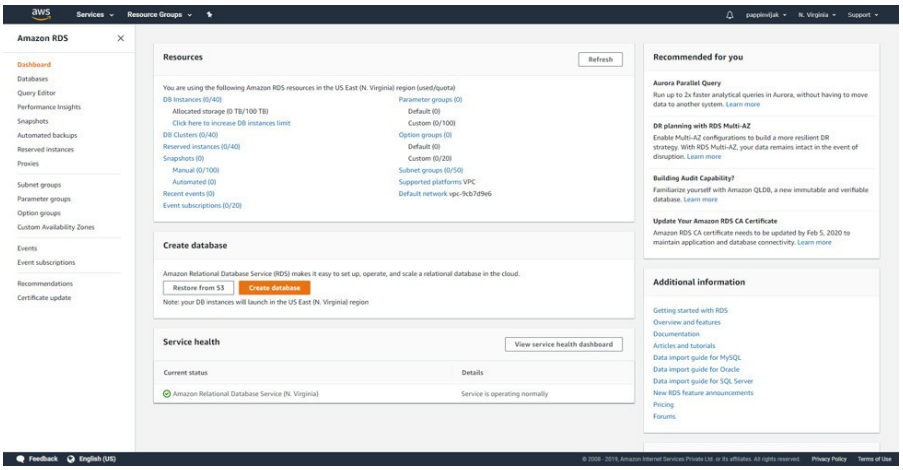
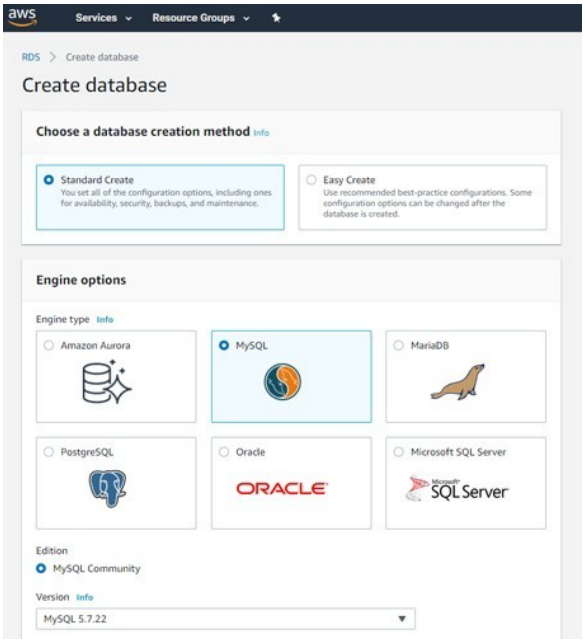
Create RDS Database in AWS

Go to your AWS console and navigate to Services >> Database >> RDS>>In the dashboard click **Create Database**

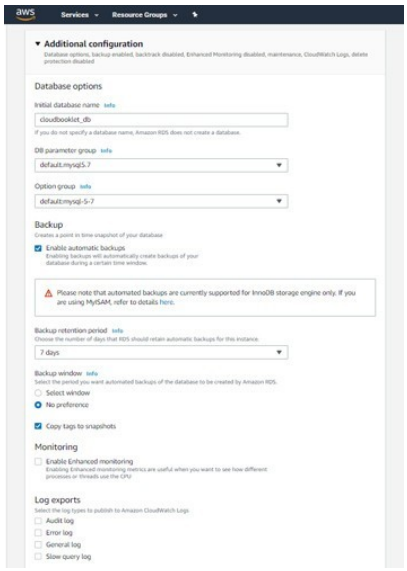


Select your database engine And also you can choose Free tier



In the Configuration settings enter the master username and password. You can login using this username and password to manage the instance.

Here you can create your first database by entering your database name in the Initial database name.Proceed to configure the automatic backups and retention period as you wish.



Click Create database to create your RDS Instance.

#How to connect rds to ec2 instance

*** Activate port MYSQL/Aurora(3306) in security group of RDS and EC2 instance**

*** install mysql in ec2**

 # sudo apt update

#yum install mysql or #apt install yum

#apt install mysql-client-core-5.7

#mysql -h abhi-database-1.cbnshfibp8vz.ap-south-1.rds.amazonaws.com -P 3306 -u admin -p (to connect to RDS database)

[for wordpress change local host to “Endpoint” name]

create and mount EFS storage in EC2

To create efs storage search EFS in aws console

> go to “create file system”

> you can choose default vpc or created vpc

> choose availability depends on work

Then create an access point

>choose the file system created

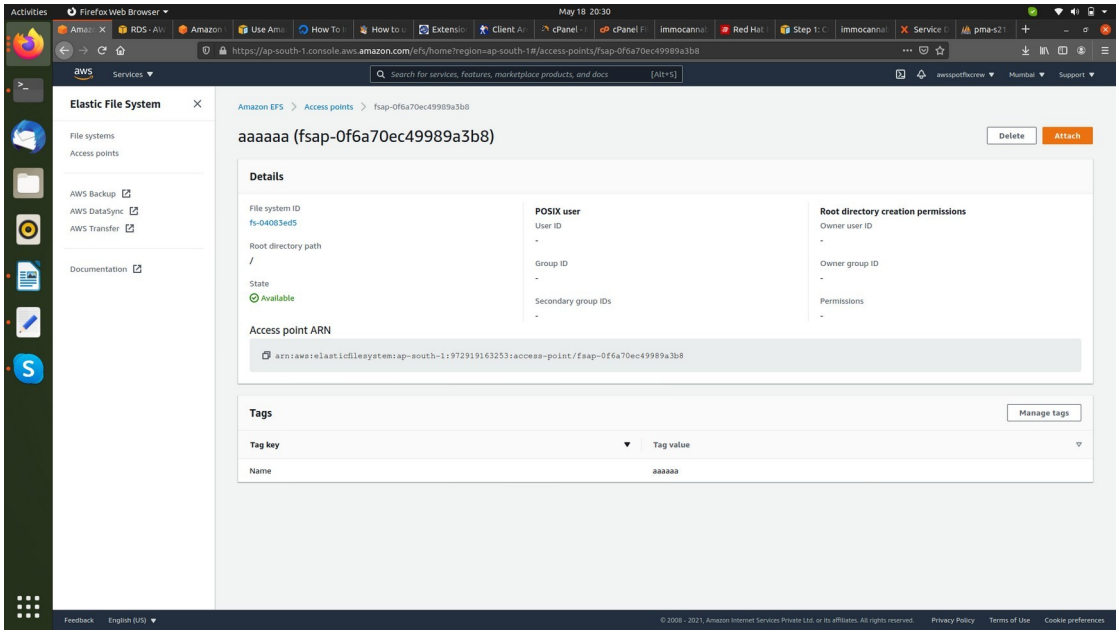
>we can provide a name also

>click on the file system id

> Then you can attach it with commands given in attach option

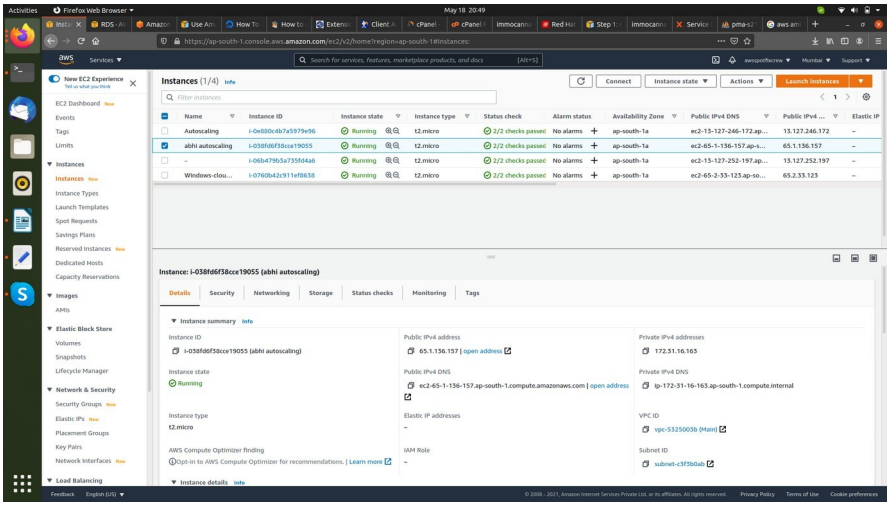
sudo mount -t efs -o tls filesystem-id:/ directory-to-mount

sudo mount -t nfs4 -o nfsvers=4.1,rsize=1048576,wsize=1048576,hard,timeo=600,retrans=2,noresvport fs-04083ed5.efs.ap-south-1.amazonaws.com:/ efs

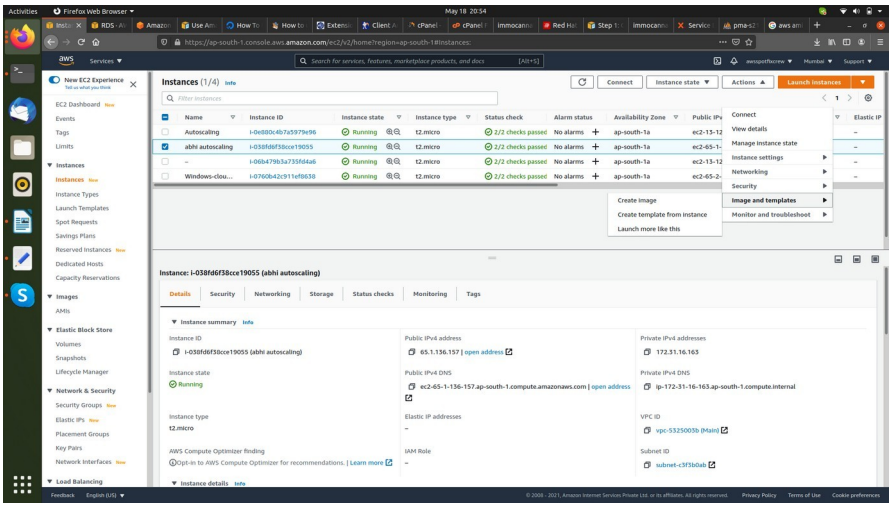


creating AMI (Amazone Machine Image)

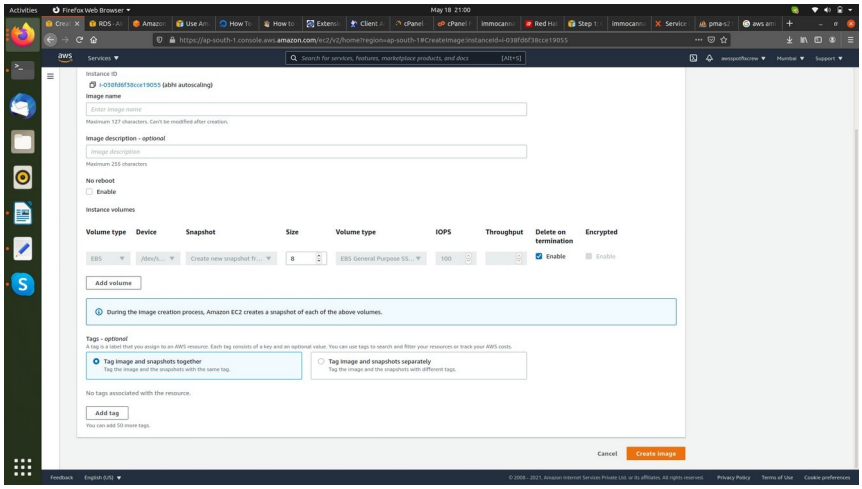
> select the instance to which the image to be create



> choose image and templates from action menu and selet create image

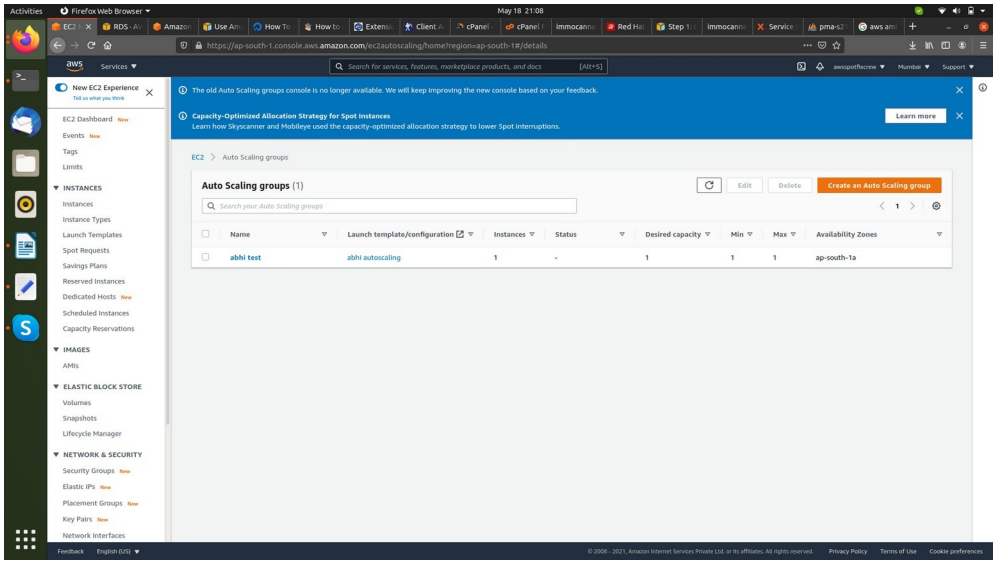


> provide an image name and volume details



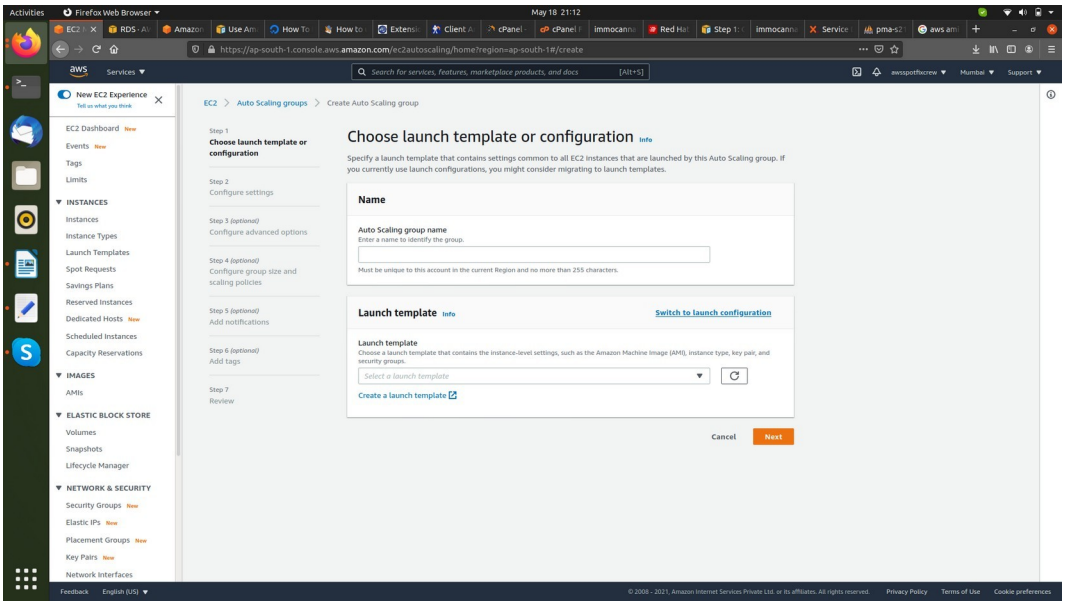
Auto scaling

> Search auto scaling groups in aws console



> click on “create auto scaling group”

>provide name for configuration and and switch to launch configuration for choseing the configuration we created and click next



> choose the required vpc and subnets (same as RDS,EC2 and EFS)

>all others options are optional (attaching to load balancer, health check, Group capacity, tags)

configure depends on need