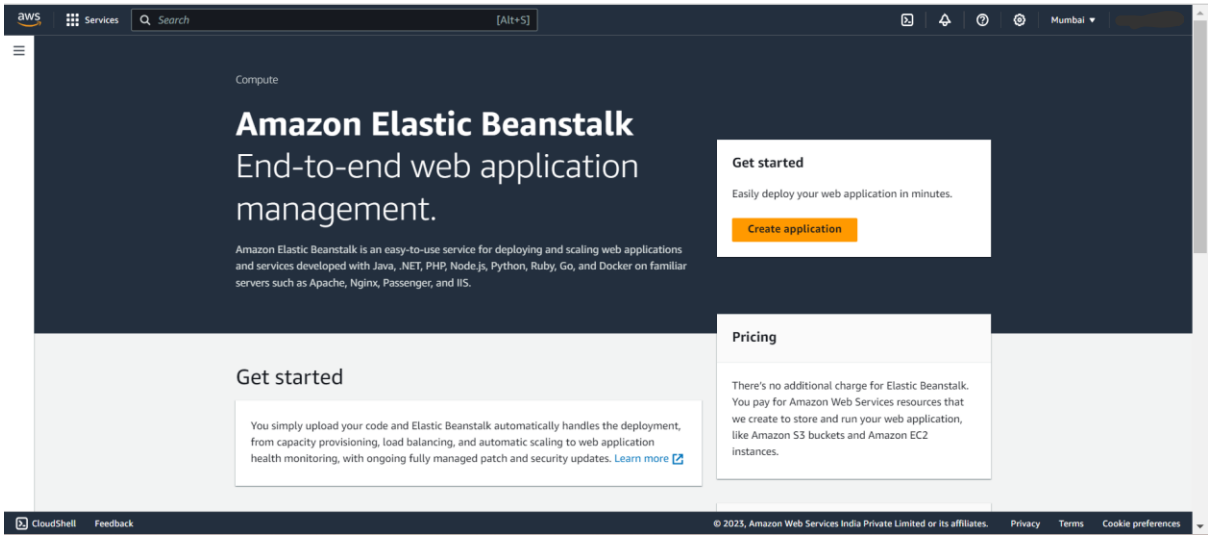
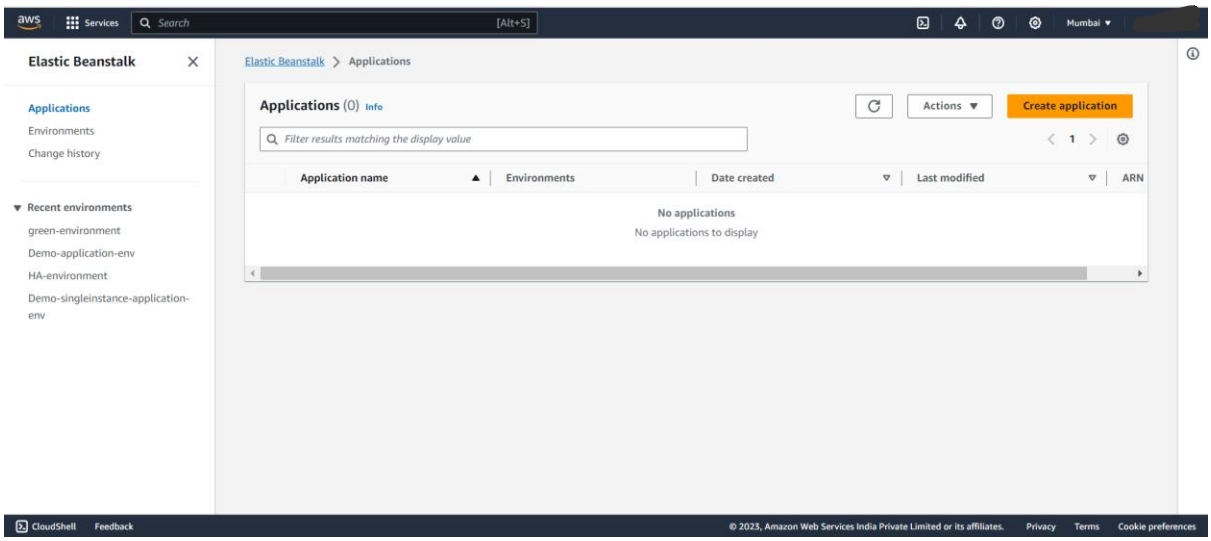
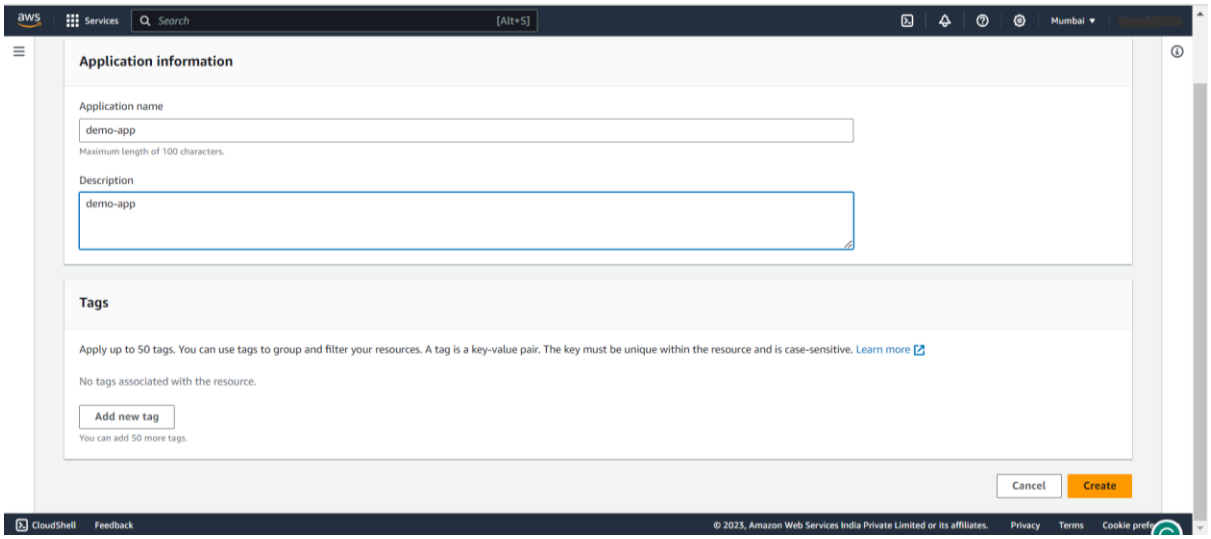
Single instance using beanstalk (RDS)

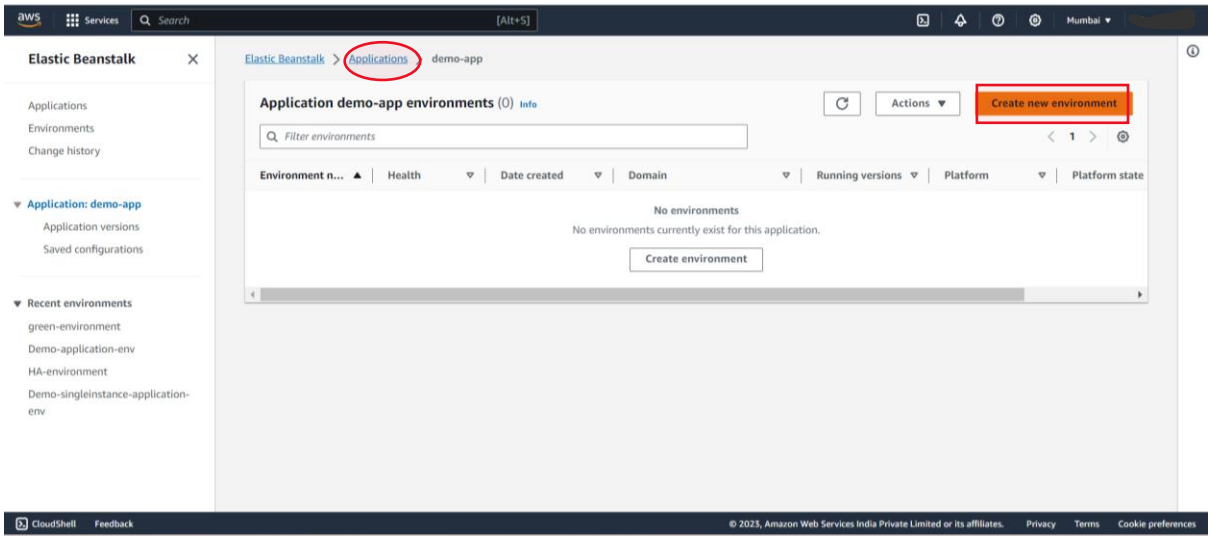


Click on create application

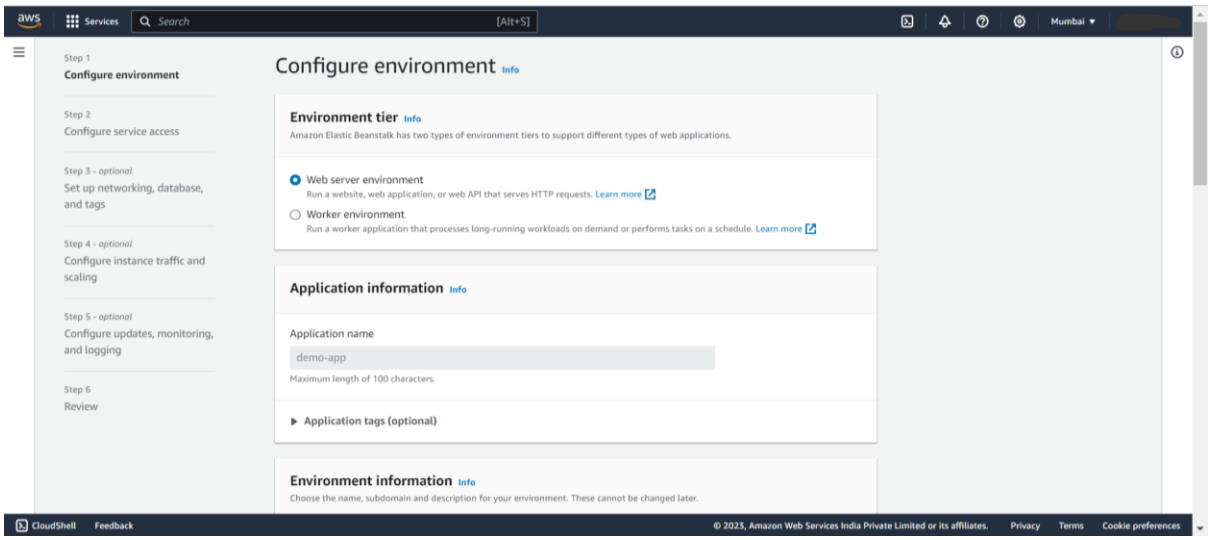




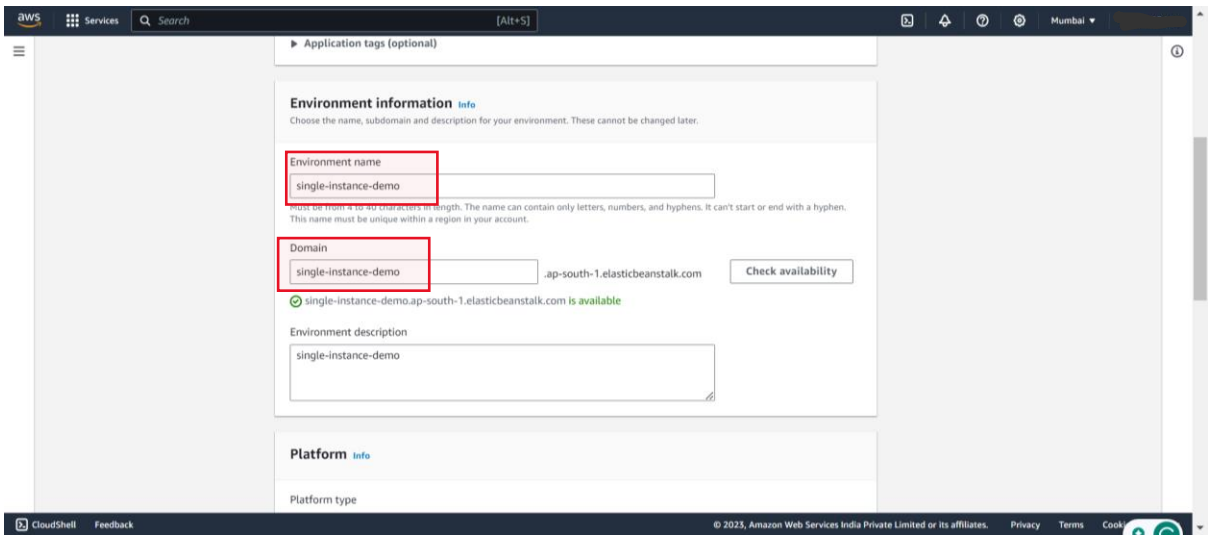
Give application name



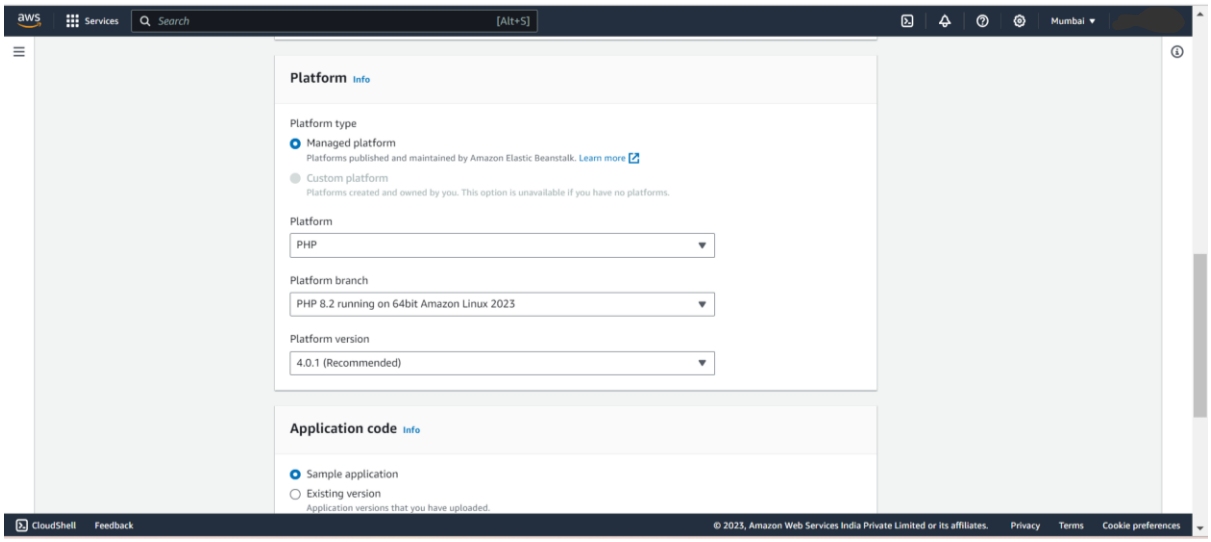
Inside applications create a new env



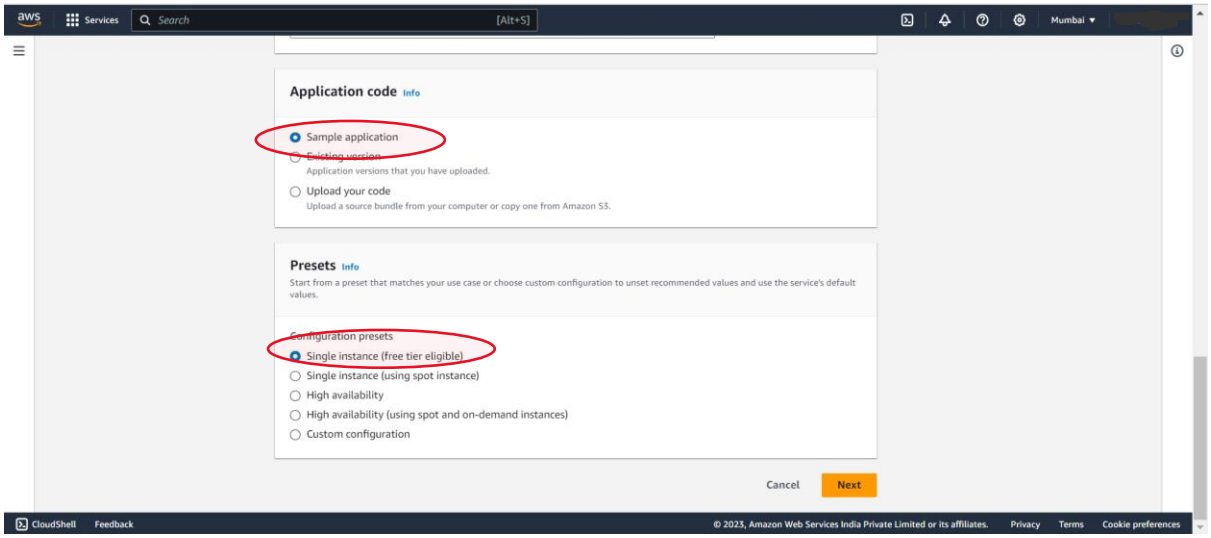
Select webserver env



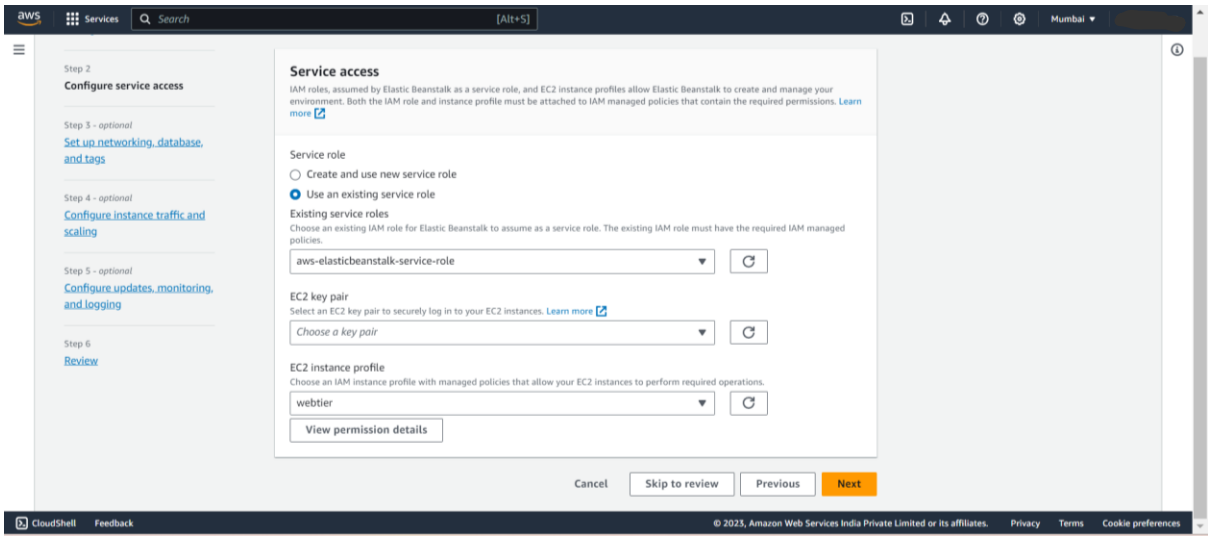
Give the env name and give the domain name and check for its availability



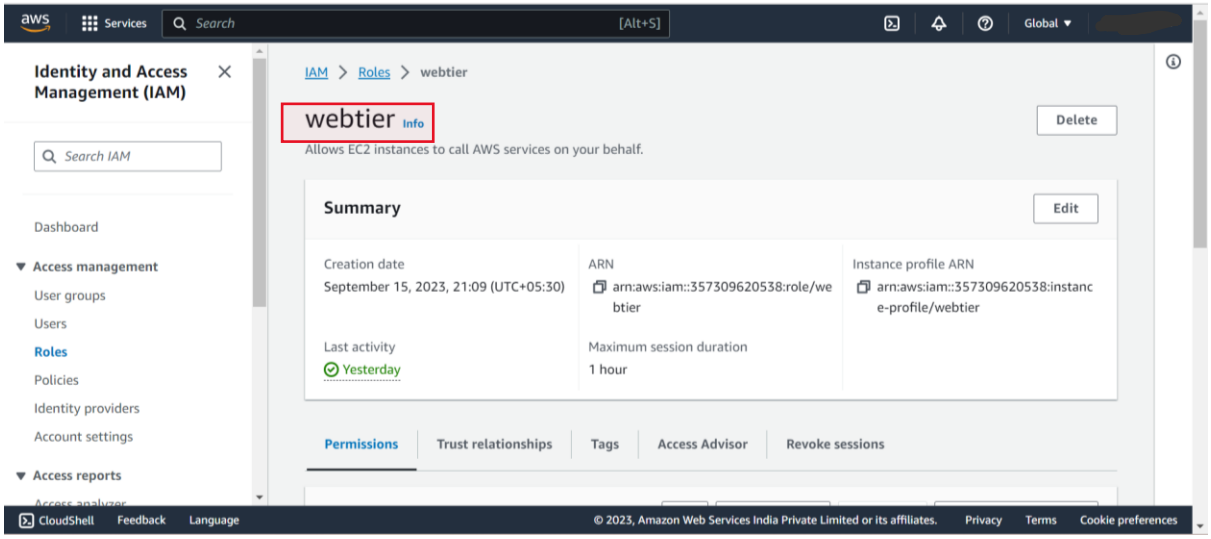
Select the platform type as PHP and keep the rest settings as default

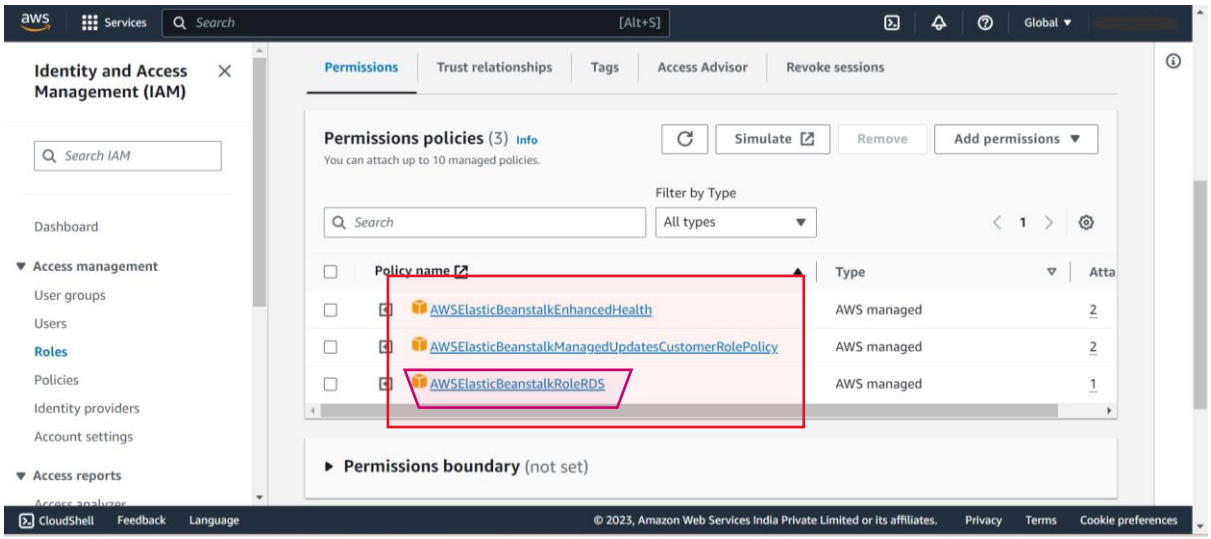


Choose the application code as a sample application you can also upload the code of your choice and presets as a single instance.

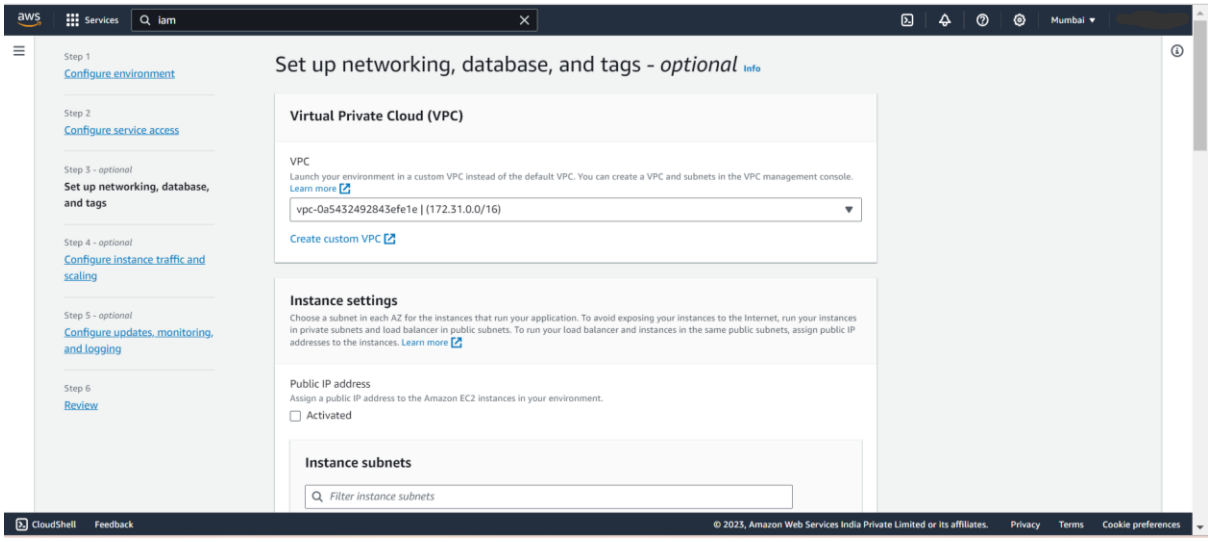


Select the existing role and give the ec2 instance profile an existing role created in IAM.

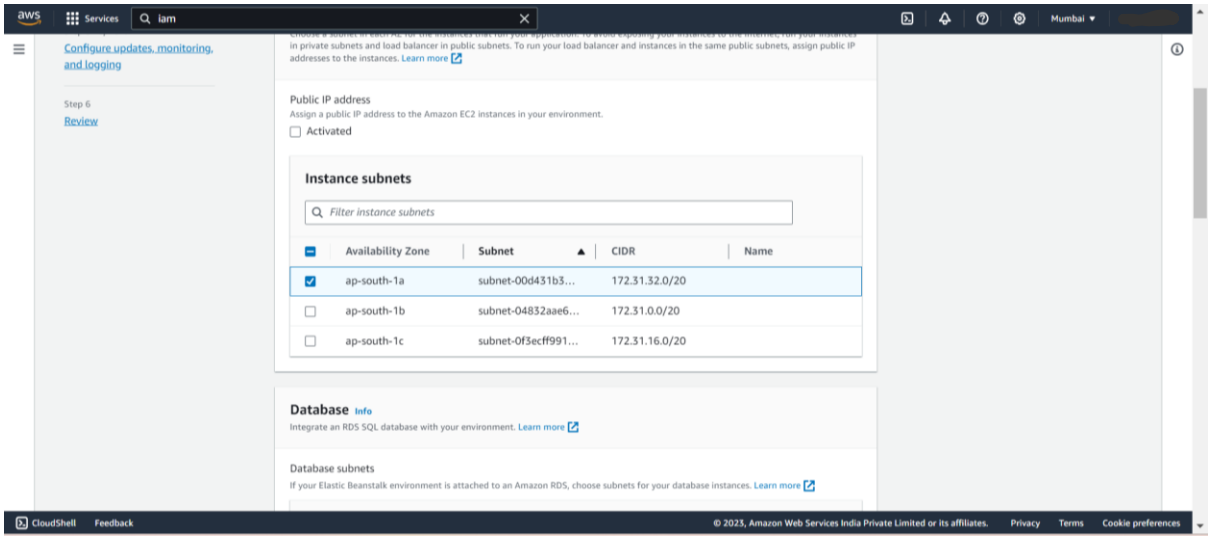




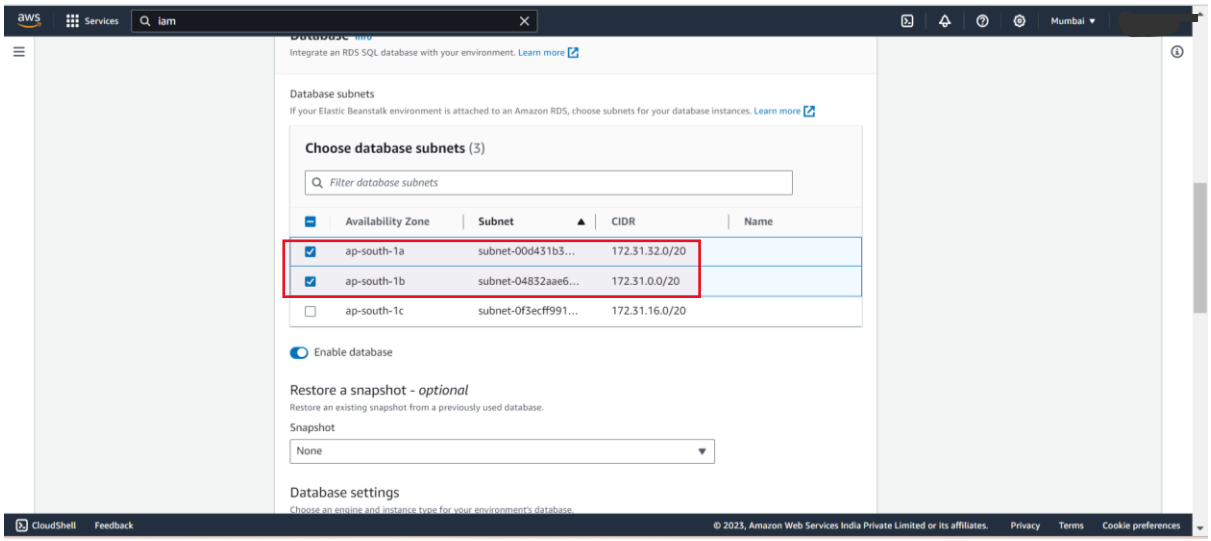
Make sure you have the following permission in your roles and **AWSElasticBeanstalkRoleRDS** if you want to create Database.



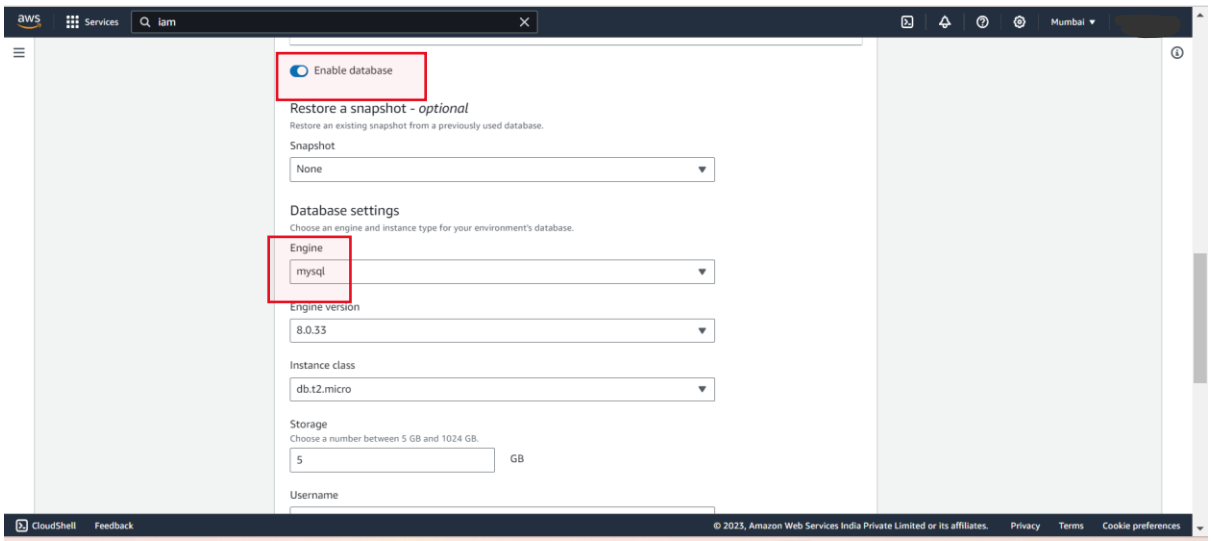
Select VPC as the default VPC



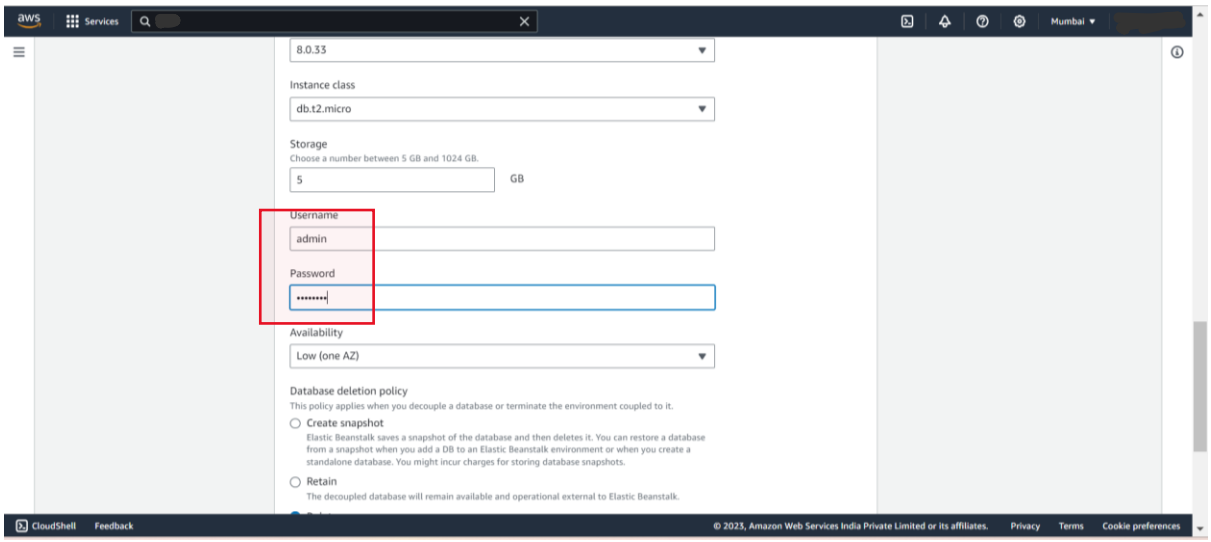
Select the AZ



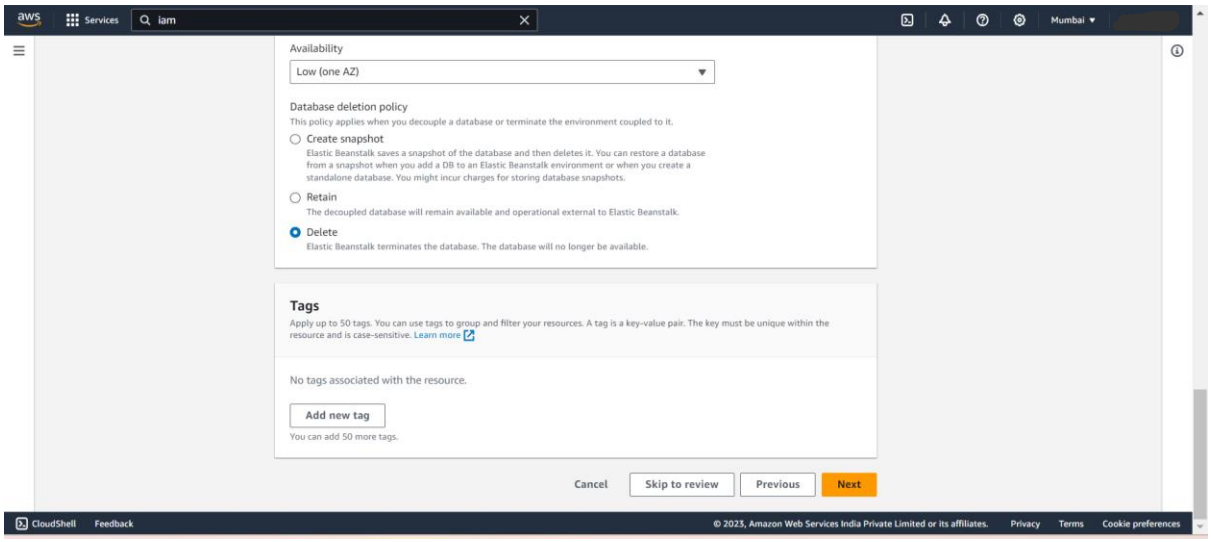
For RDS database subnet group we need to select at least 2 subnets because in RDS we need to select at least 2 AZ.



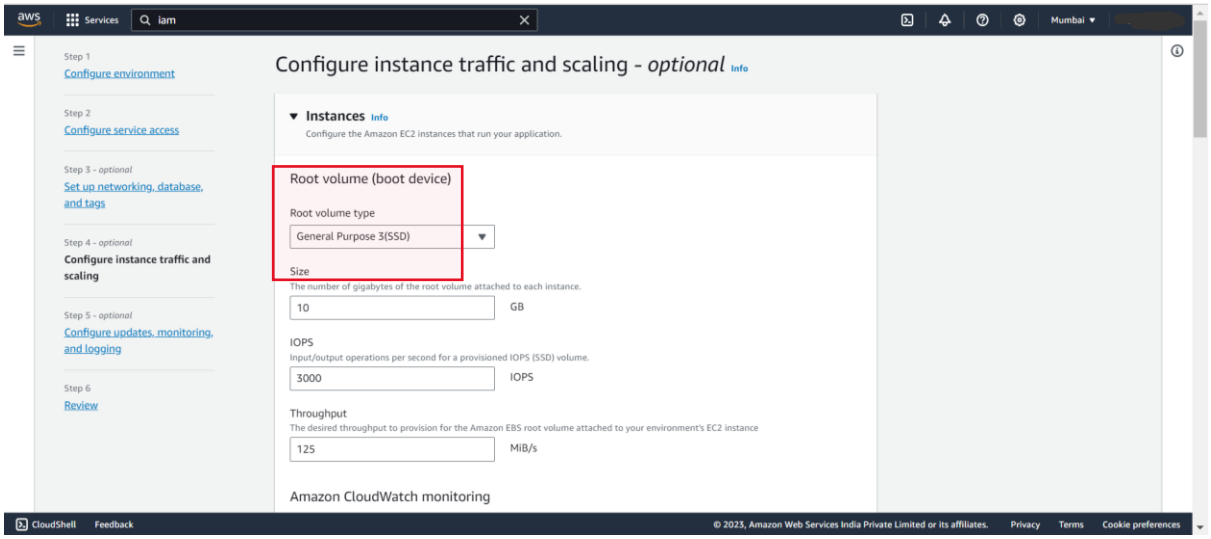
Enable database select engine as MYSQL



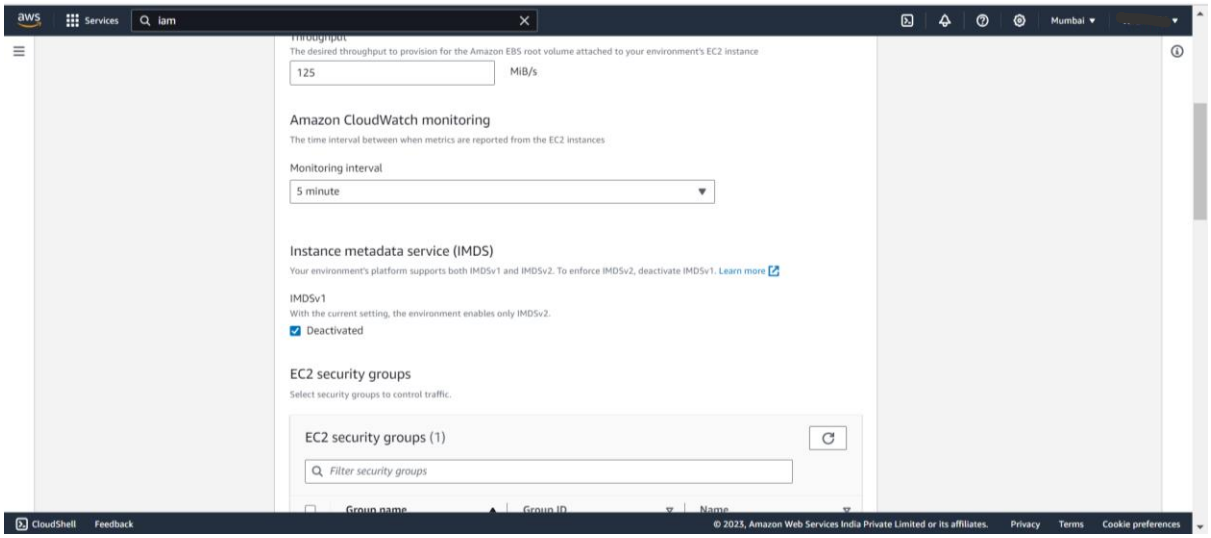
Keep the rest settings as default and give the username and password select low AZ.

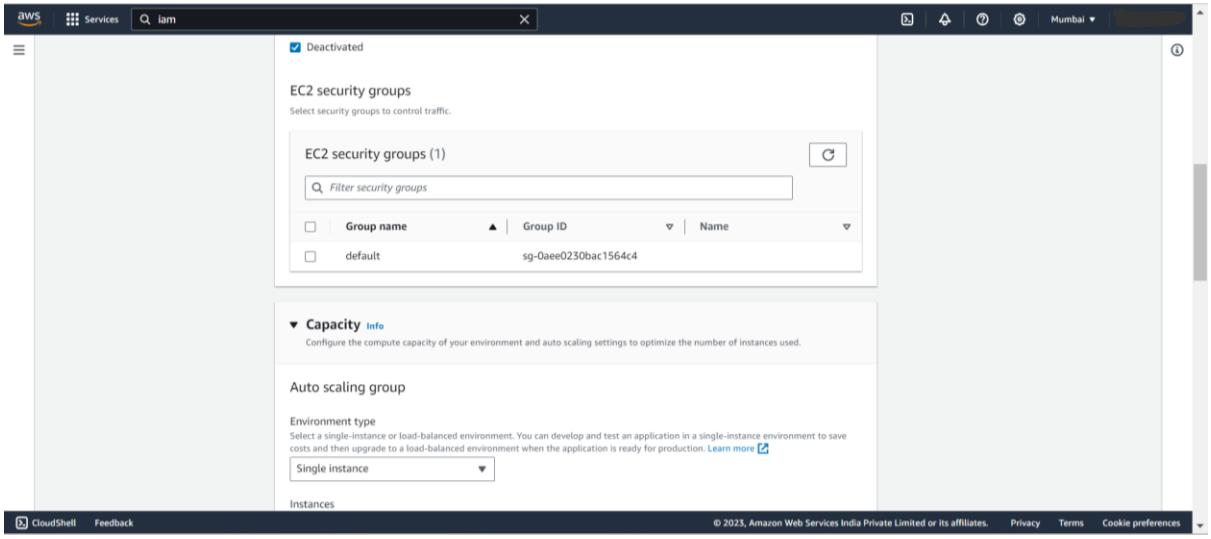


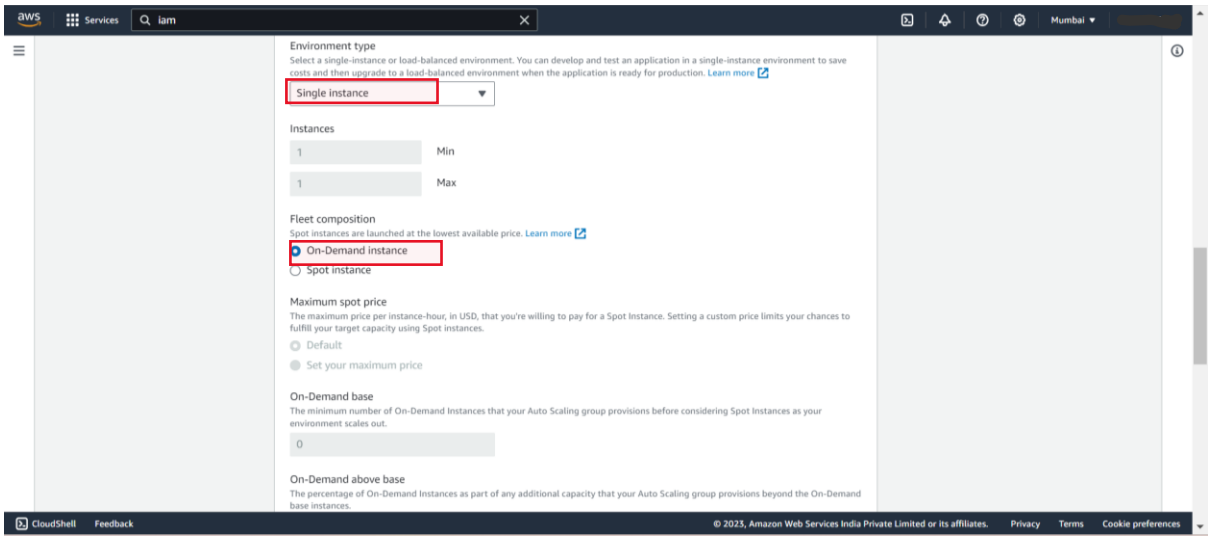
Keep deletion policy to delete and click next.

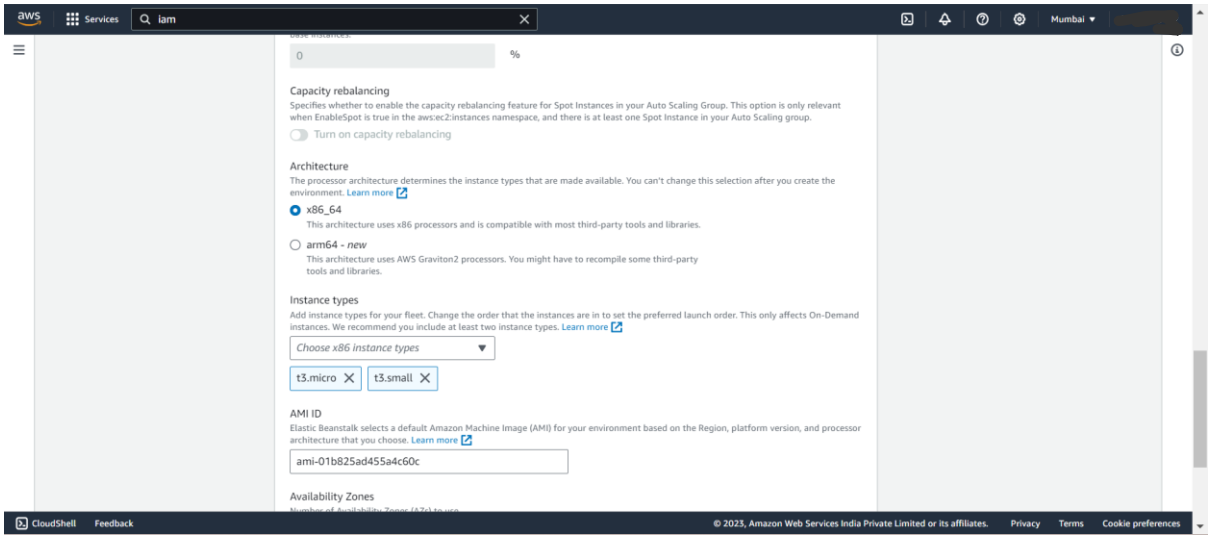


Select root volume as general purpose SSD 3 and rest as default

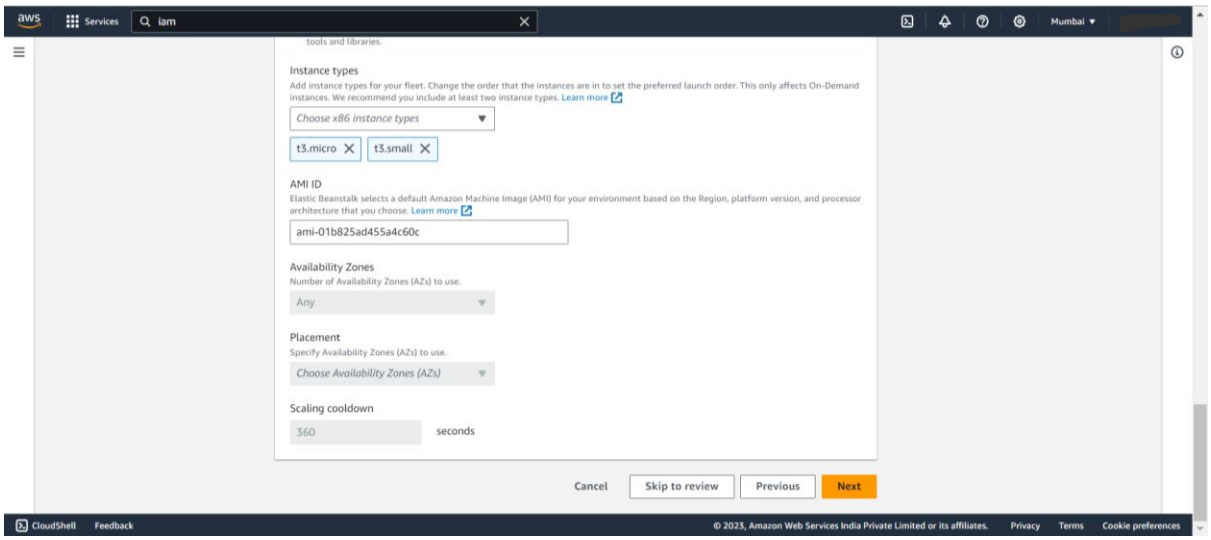


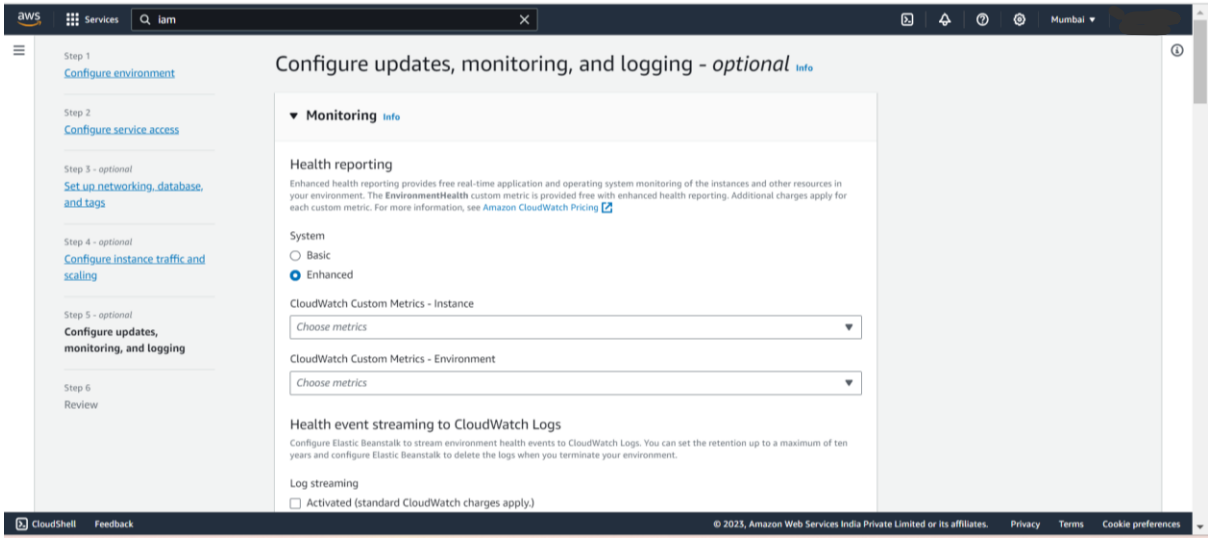


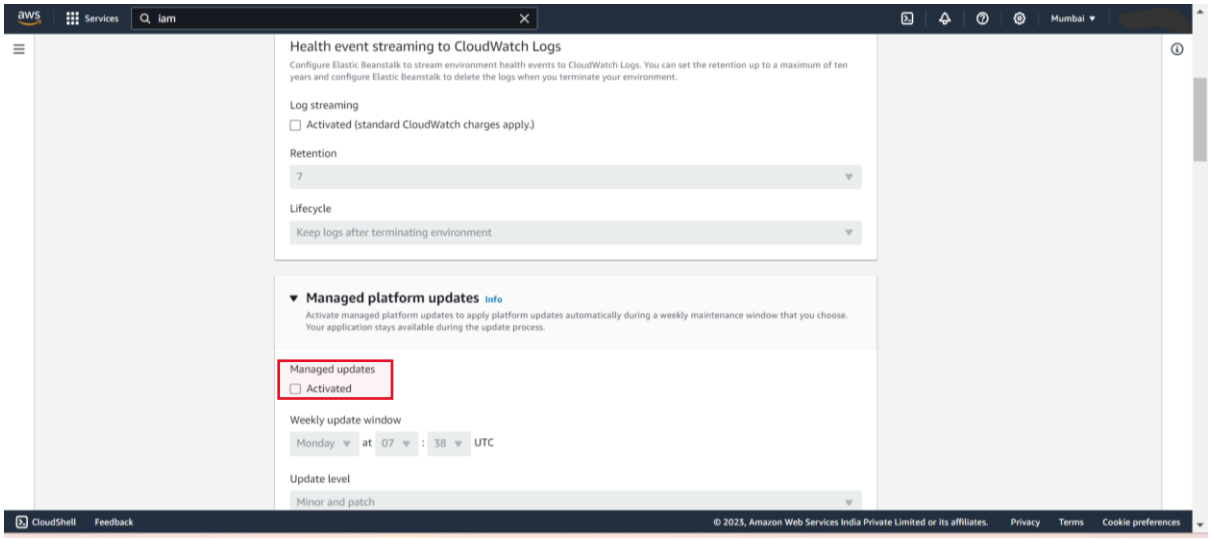




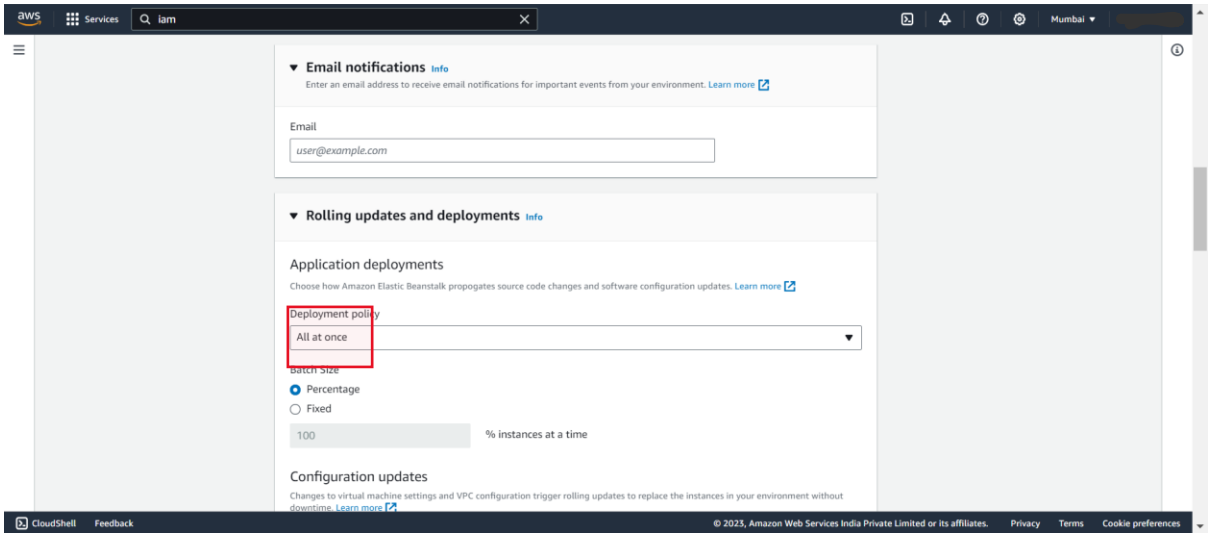
Keep the settings as default



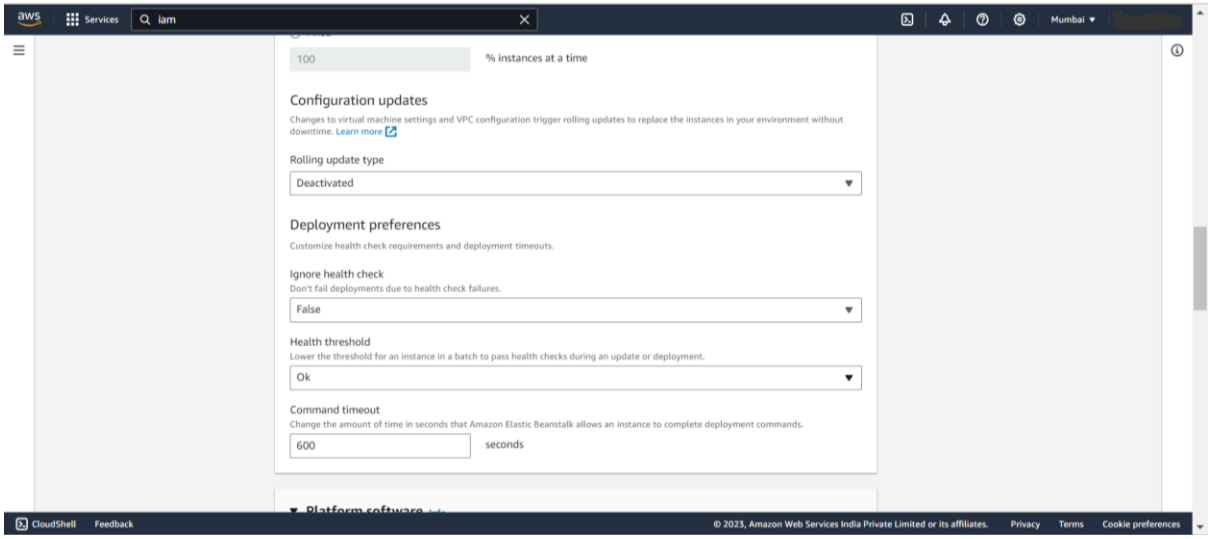


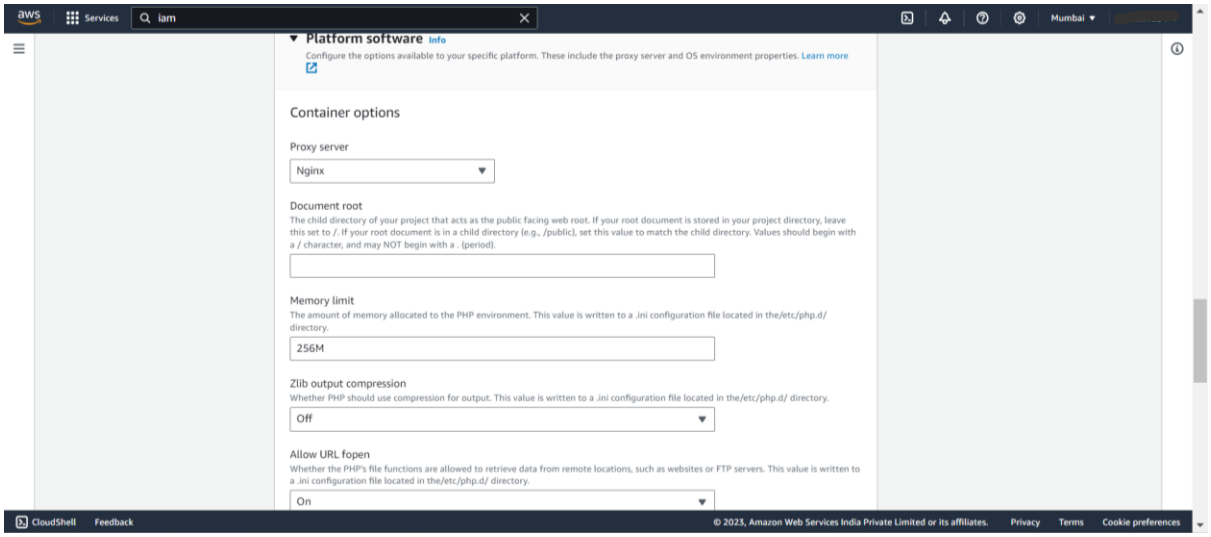


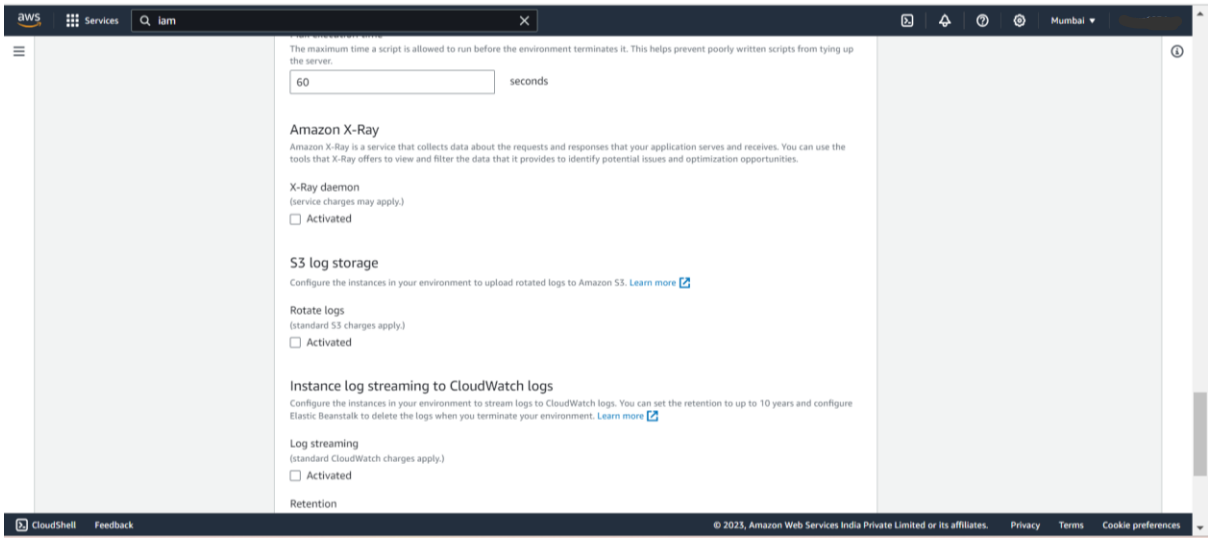
Untick the managed updates checkbox

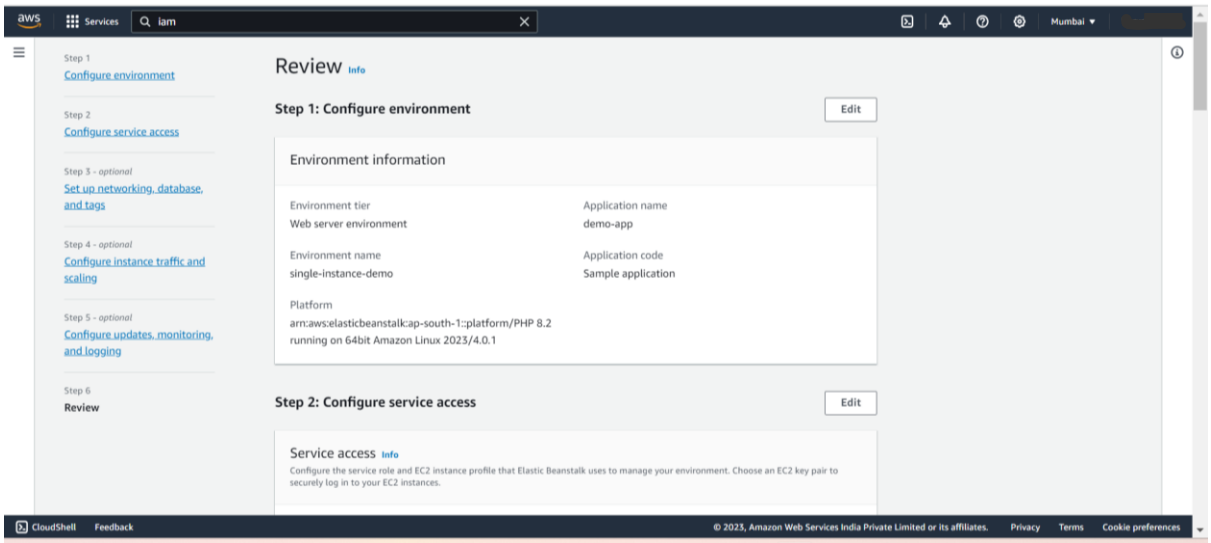


As this is single instance, we have a deployment policy as all at once.

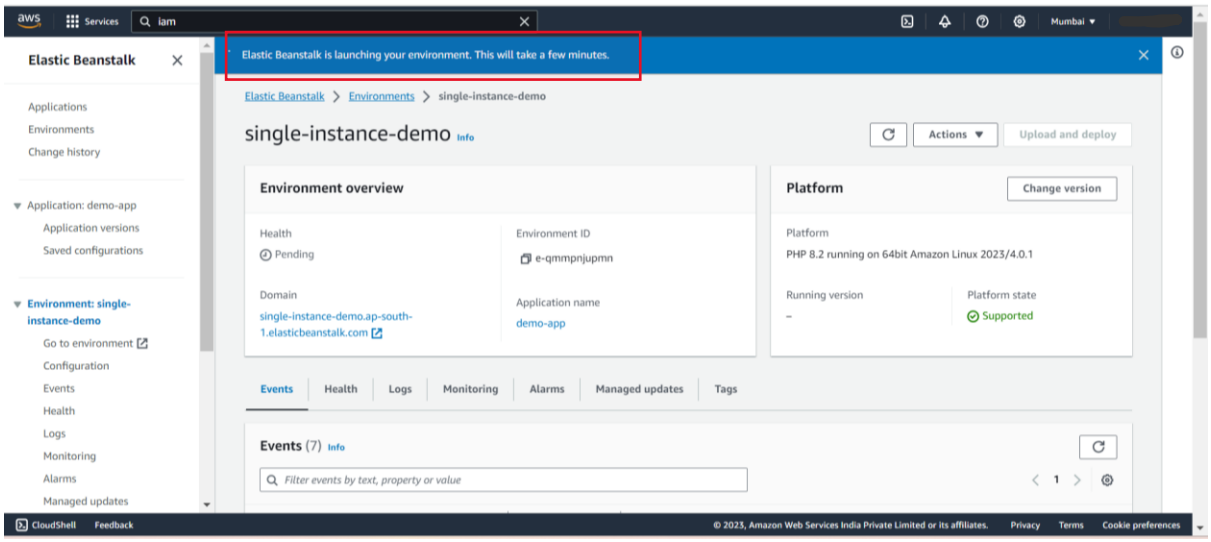




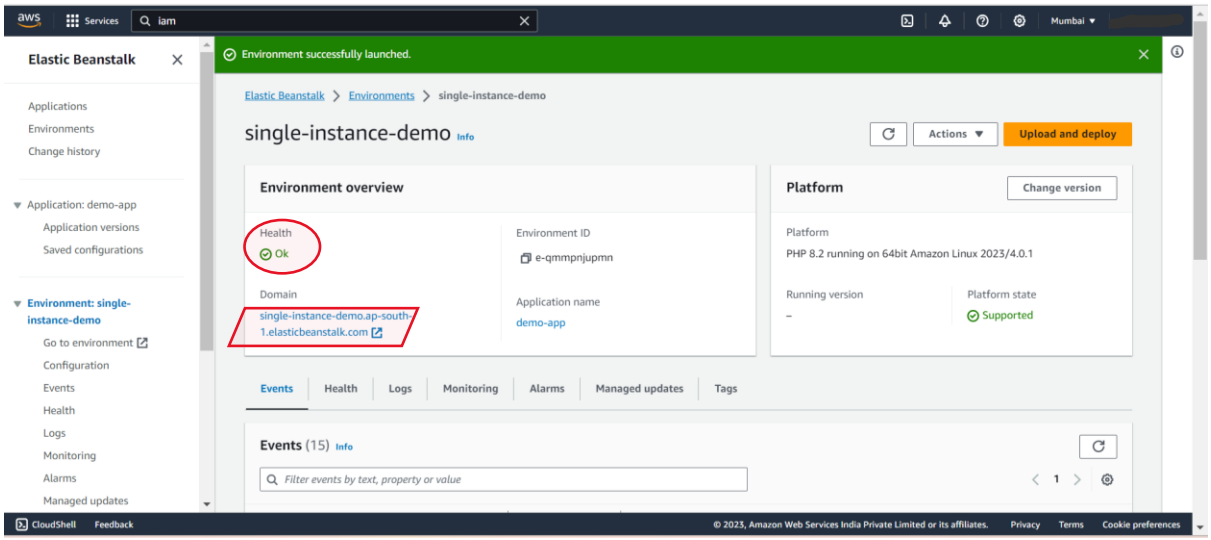




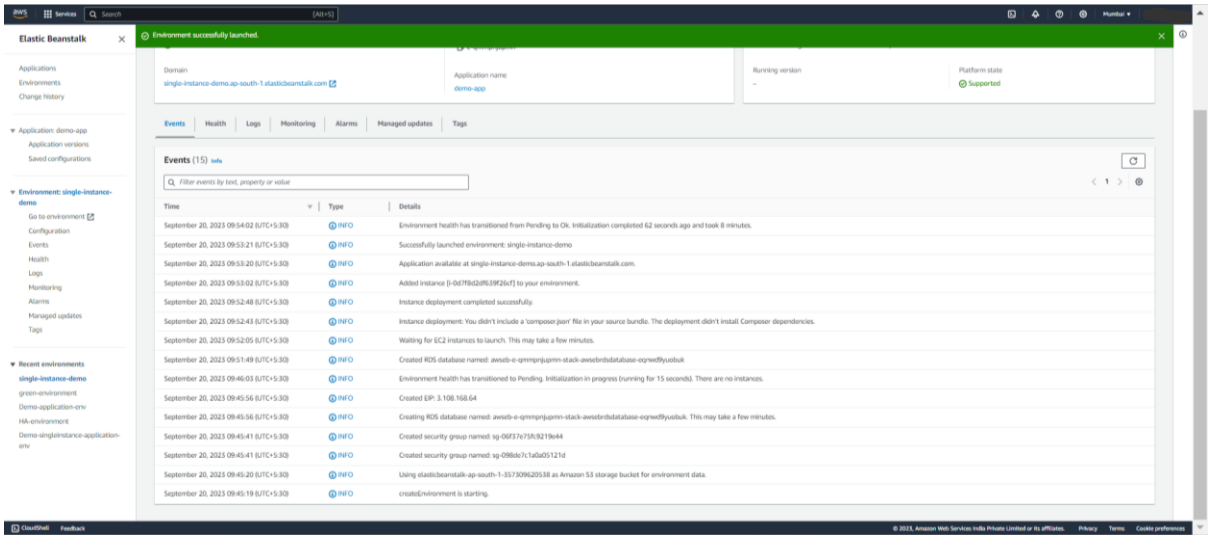
Keep remaining everything as it as and click on review and launch



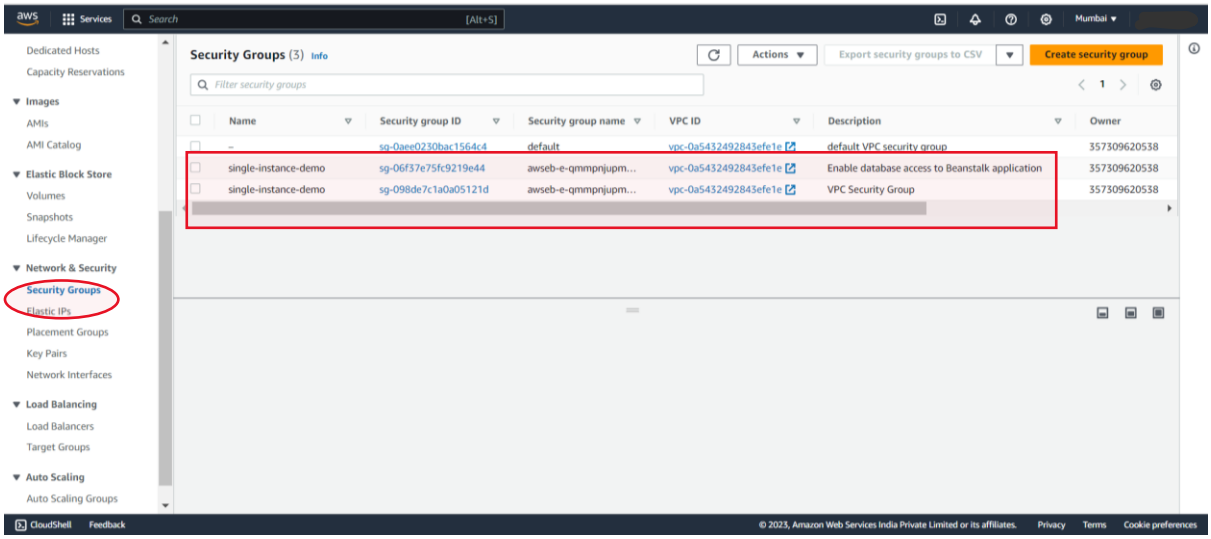
Single instance env being launched



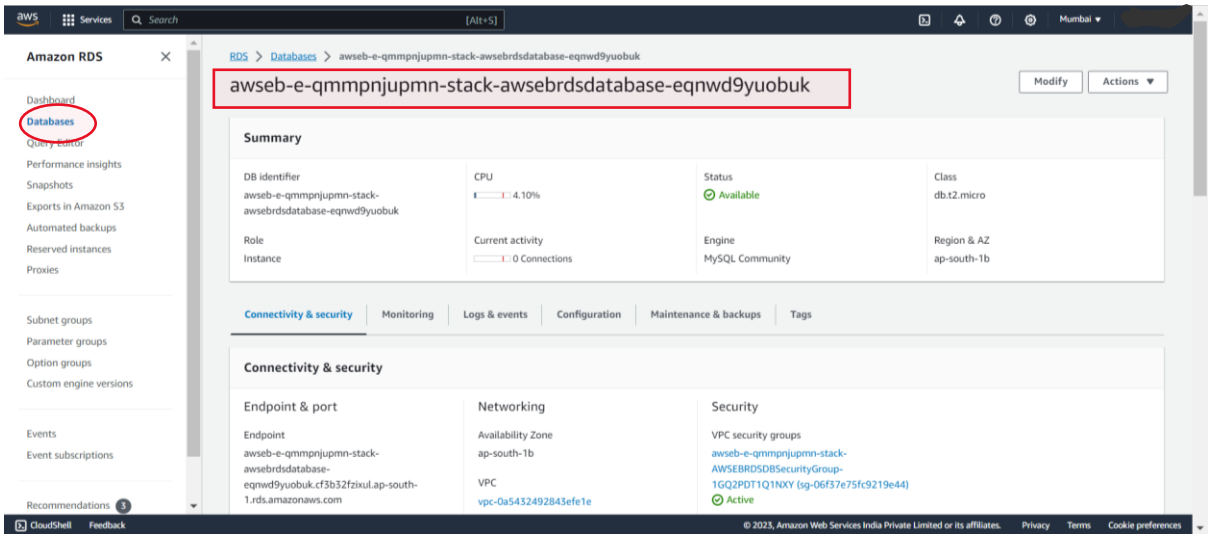
Env launched successfully as our health check is OK if we click on the domain name, we can go to our PHP Sample application



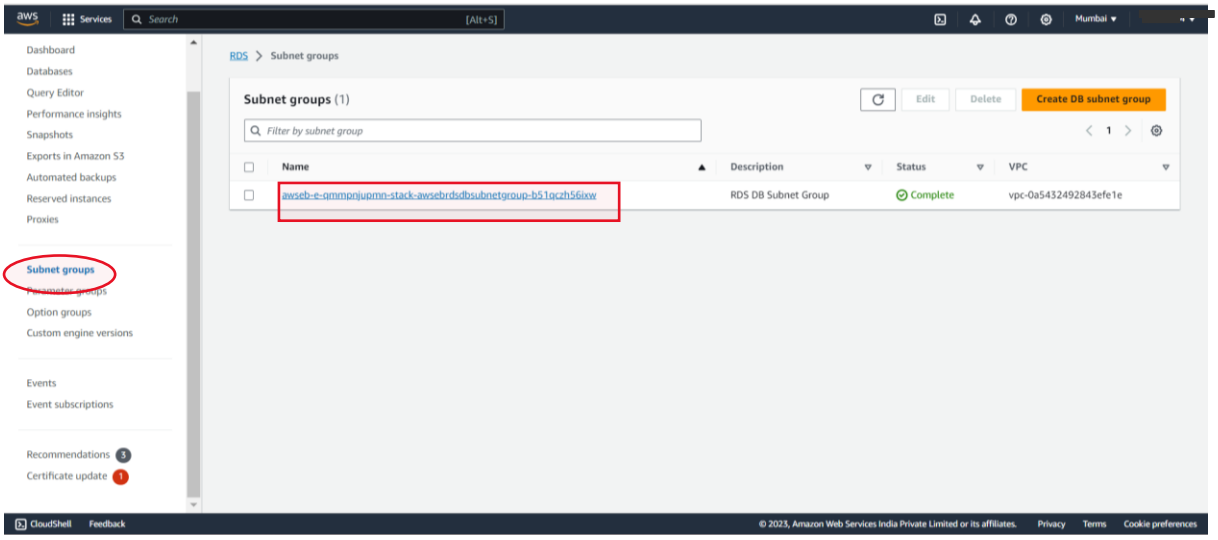
Following things has been automatically created by launching the single instance.



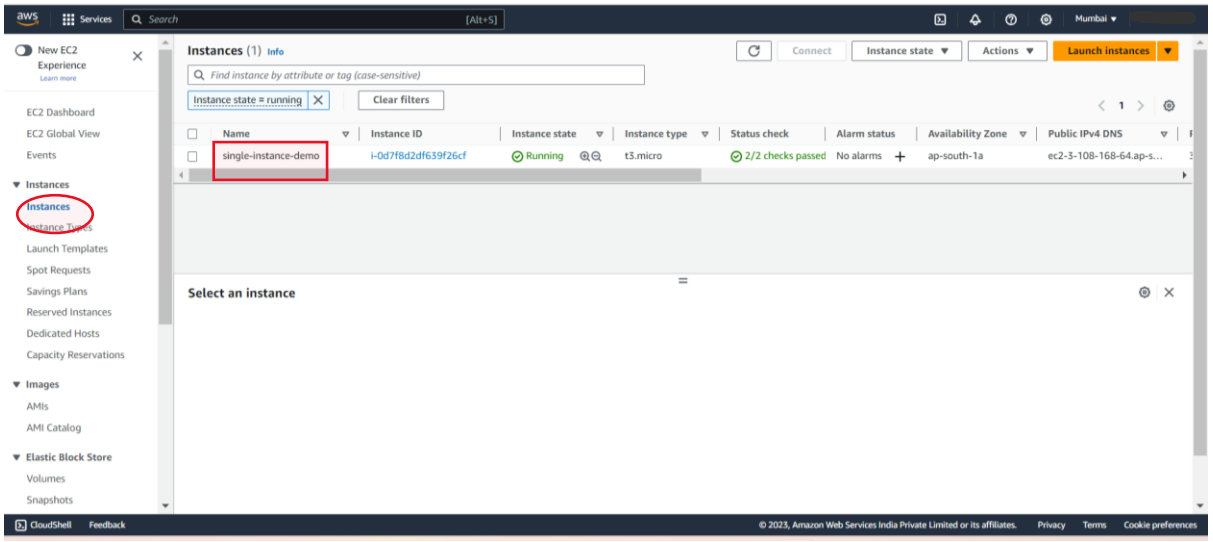
security groups have been created one SG is of database and another is of VPC.



RDS database created



Subnet group has been created for our database



Instance has also been launched by EBS.

Successfully we have launched EBS using single instance deployment.