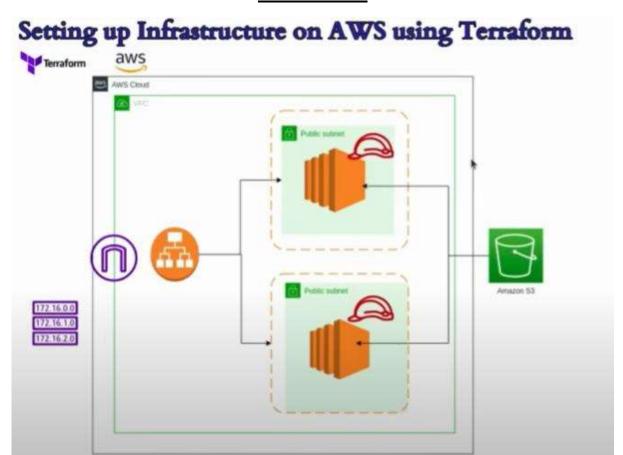
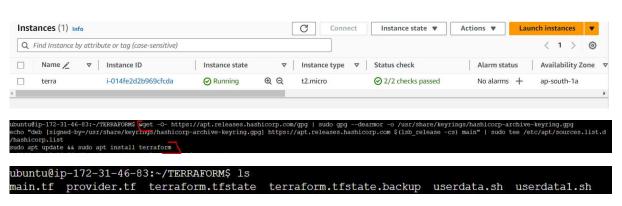
AWS - VPC





Github code link:

ubuntu@ip-172-31-46-83:~/TERRAFORM\$ terraform validate Success! The configuration is valid.

← → C 🛕 Not secure | Ib-t-1412627750.ap-south-1.elb.amazonaws.com

Terraform Project Server 1

Instance ID: i-03cb770c493c9df77

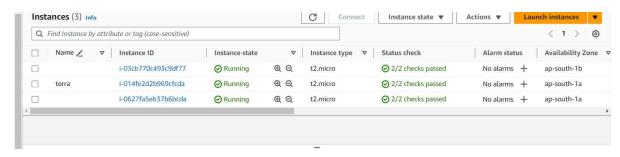
When I click on refresh button LB distribute traffic between 2 subnets.



Instance ID: i-0627fa5eb37b6bcda

Resources Created by Terraform:

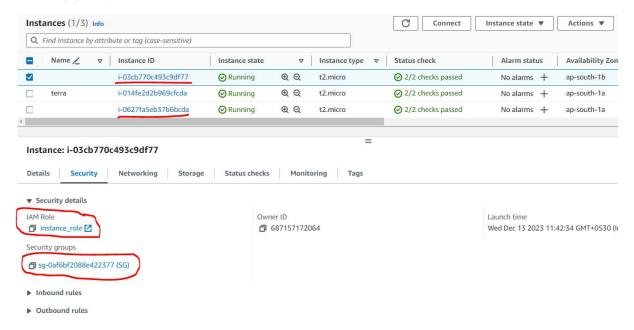
EC2:



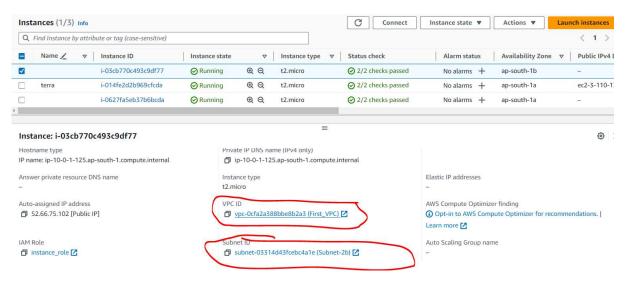
SECURITY GROUP:



Security group and IAM Role attached to ec2-instances.



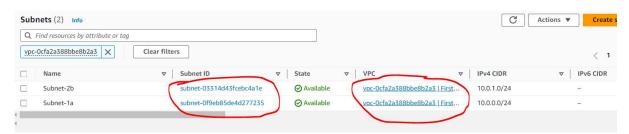
VPC & Subnets:



VPC:



Subnets:



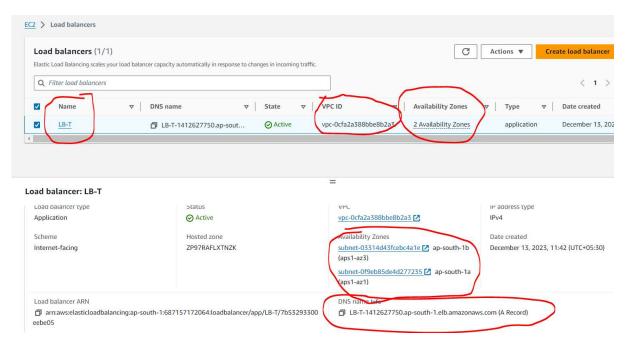
Route-Table:



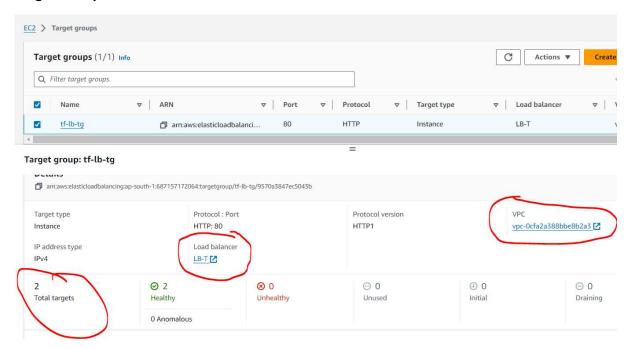
IGW:



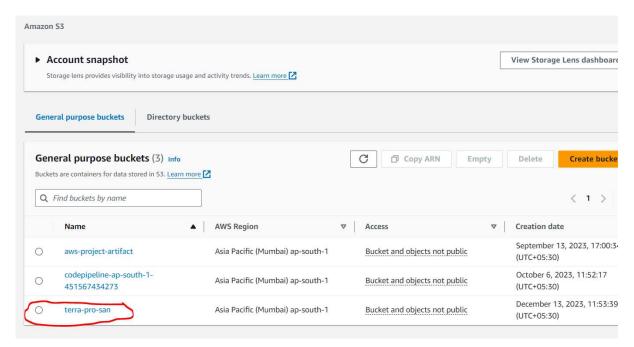
Load Balancer:



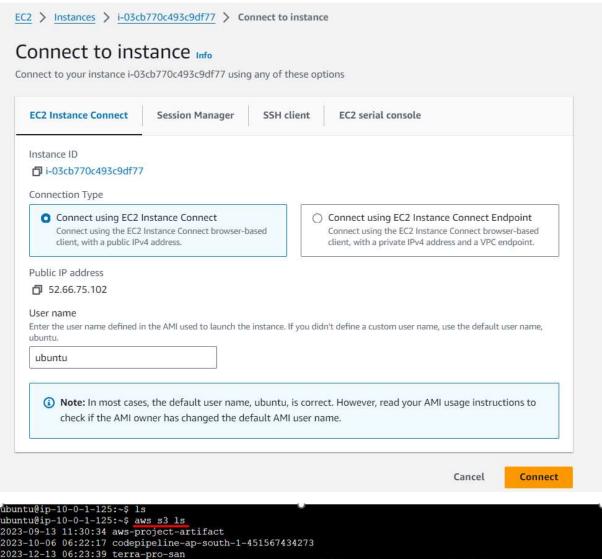
Target Group:



S3 Bucket:



Connect one of the instance to check instance able to access s3 bucket or not (as per attached IAM ROLE):



```
ubuntu@ip-10-0-1-125:~$ ls
ubuntu@ip-10-0-1-125:~$ aws s3 ls
2023-09-13 11:30:34 aws-project-artifact
2023-10-06 06:22:17 codepipeline-ap-south-1-451567434273
2023-12-13 06:23:39 terra-pro-san
ubuntu@ip-10-0-1-125:~$ sudo aws s3 cp s3://terra-pro-san/TERRAFORM.png /var/www/html/TERRAFORM.png
download: s3://terra-pro-san/TERRAFORM.png to ../../var/www/ntmi/TERRAFORM.png
ubuntu@ip-10-0-1-125:~$ cd ../..//var/www/html
ubuntu@ip-10-0-1-125:/var/www/html$ ls
TERRAFORM.png index.html
ubuntu@ip-10-0-1-125:/var/www/html$
```

Terraform Destroy:

```
loadbalancerdns = "LB-T-1412627750.ap-south-1.elb.amazonaws.com"
ubuntu@ip-172-31-46-83:./TERRAFORMS terraform destroy -auto-approve
aws_s3_bucket.s3: Refreshing state... [id=terra-pro-san]
aws_iam_role.instance_iamrole: Refreshing state... [id=instance_role]
aws_vpc.vpc: Refreshing state... [id=ypc-0cfa2a388bbe8b2a3]
aws_security_group.sg: Refreshing state... [id=sg-0af6bf2088e422377]
aws_lb_target_group.lb-tg: Refreshing state... [id=arn:aws:elasticloadbalancing:ap-south-1:687157172064:targetgroup/tf-lb-daws_internet_gateway.gw: Refreshing state... [id=ybnet-03134d3fcebc4a1e]
aws_subnet.subnet2: Refreshing state... [id=subnet-03134d3fcebc4a1e]
aws_subnet.subnet2: Refreshing state... [id=rubnet-059eb85de4d277235]
aws_route_table.rt: Refreshing state... [id=rub-0b980144cff78lac7]
aws_lb_lb. Refreshing state... [id=arn:aws:elasticloadbalancing:ap-south-1:687157172064:loadbalancer/app/LB-T/7b53293300eel
aws_route_table_association.rt1: Refreshing state... [id=rubassoc-0fff8e87163f2ed3c]
aws_route_table_association.rt2: Refreshing state... [id=rubassoc-07175381c86fdb97d]
aws_lb_listener.lb_listner: Refreshing state... [id=rubassoc-07175381c86fdb97d]
aws_lb_listener.profile.instance_profile: Refreshing state... [id=instanceprofile]
aws_iam_instance_profile.instance_profile: Refreshing state... [id=instance_role_20231213061224692600000001]
aws_iam_role_policy_role_policy: Refreshing state... [id=instance_role_policy]
aws_instance.terra-1: Refreshing state... [id=instance_role_policy]
aws_instance.terra-2: Refreshing state... [id=inof403cdf77]
aws_lb_target_group_attachment.tg-attach-2: Refreshing state... [id=arn:aws:elasticloadbalancing:ap-south-1:687157172064:tc_]
aws_lb_target_group_attachment.tg-attach-1: Refreshing state... [id=arn:aws:elasticloadbalancing:ap-south-1:687157172064:tc_]
aws_lb_target_group_attachment.tg-attach-1: Refreshing state... [id=arn:aws:elasticloadbalancing:ap-south-1:687157172064:tc_]
aws_lb_target_group_attachment.tg-attach-1: Refreshing state... [id=arn:aws:elasticloadbalancing:ap-sout
```