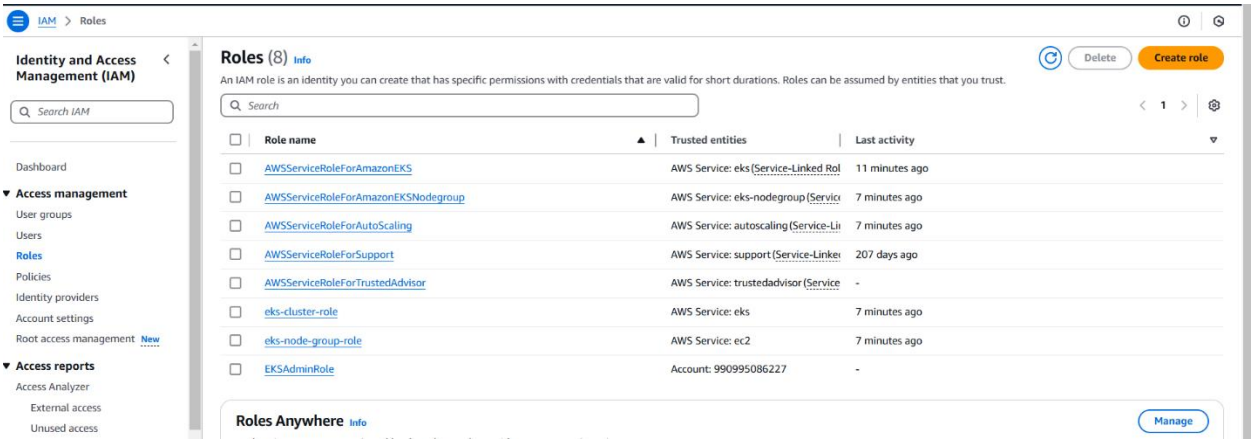
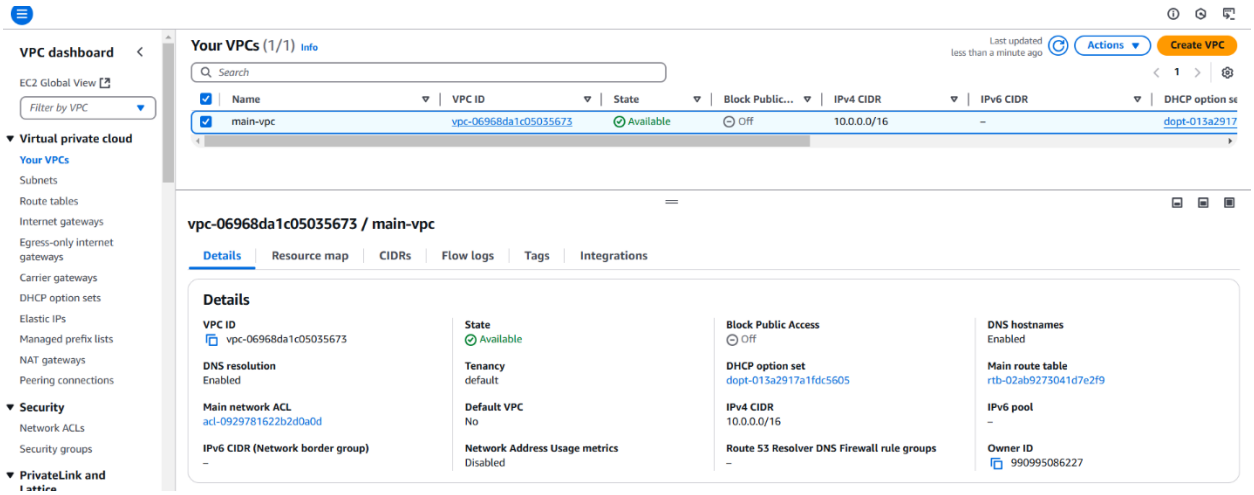
Provisioning EKS Cluster, Node groups by Terraform

GitHub Link: https://github.com/yugendar42/eks-cluster-provision-by-terraform/tree/main

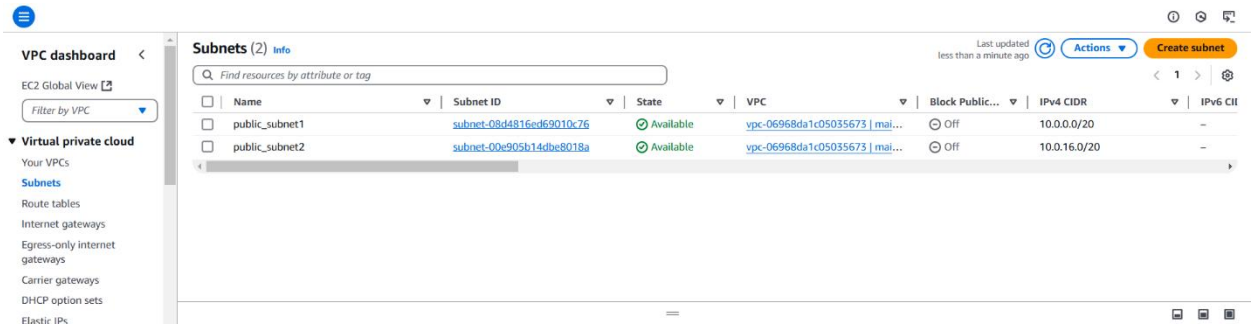
IAM-Roles for EKS-Cluster, Node Group



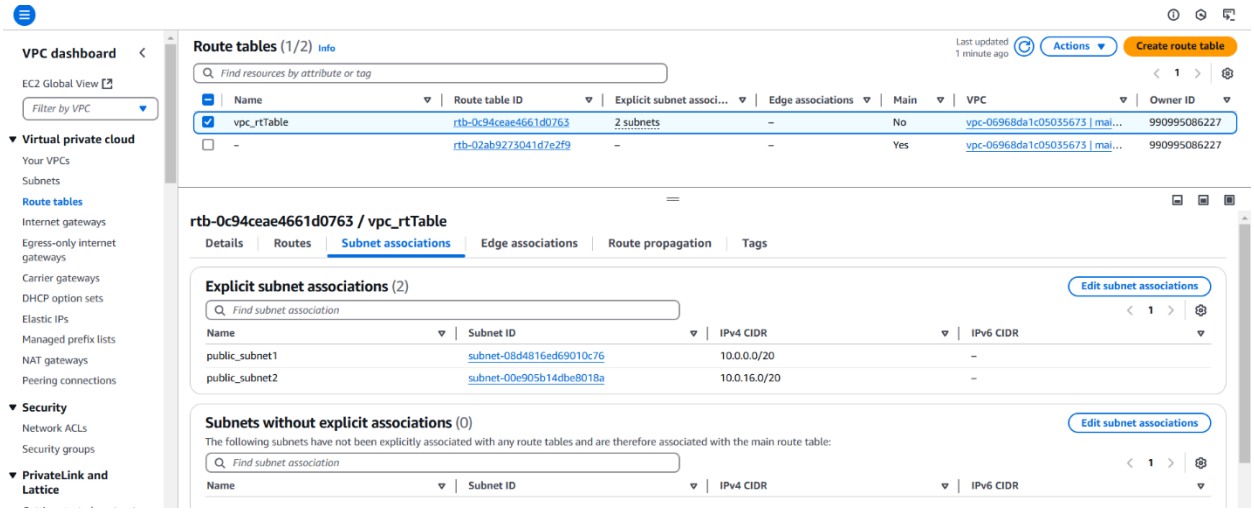
VPC



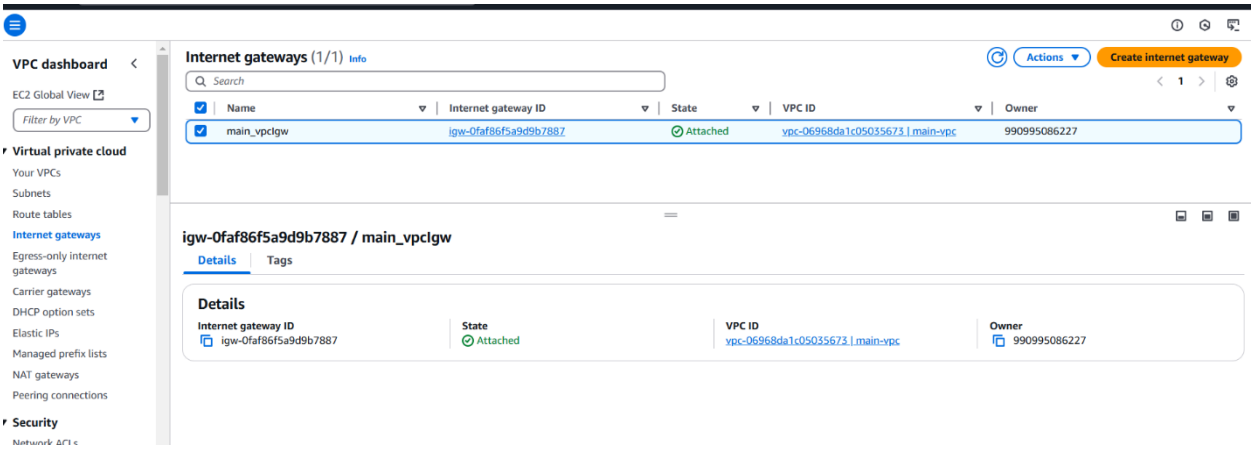
Subnets



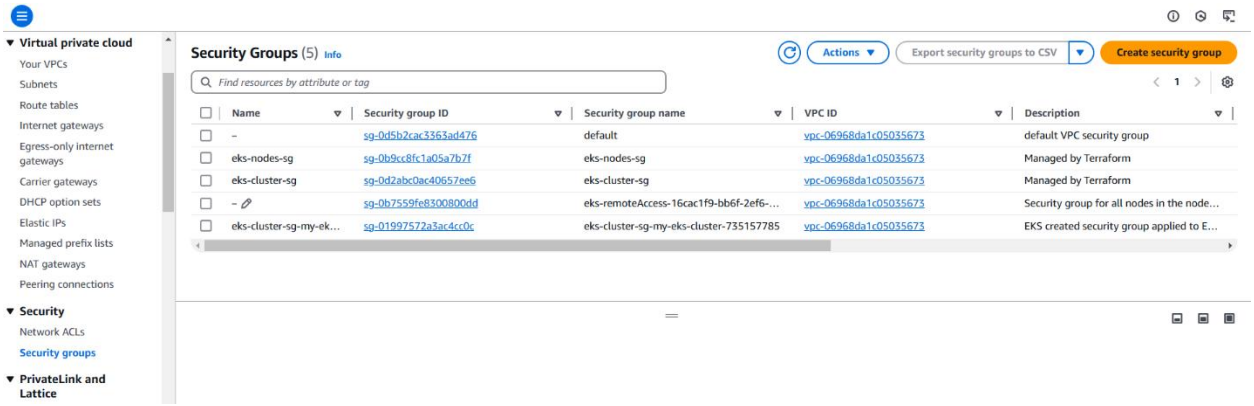
Route Tables



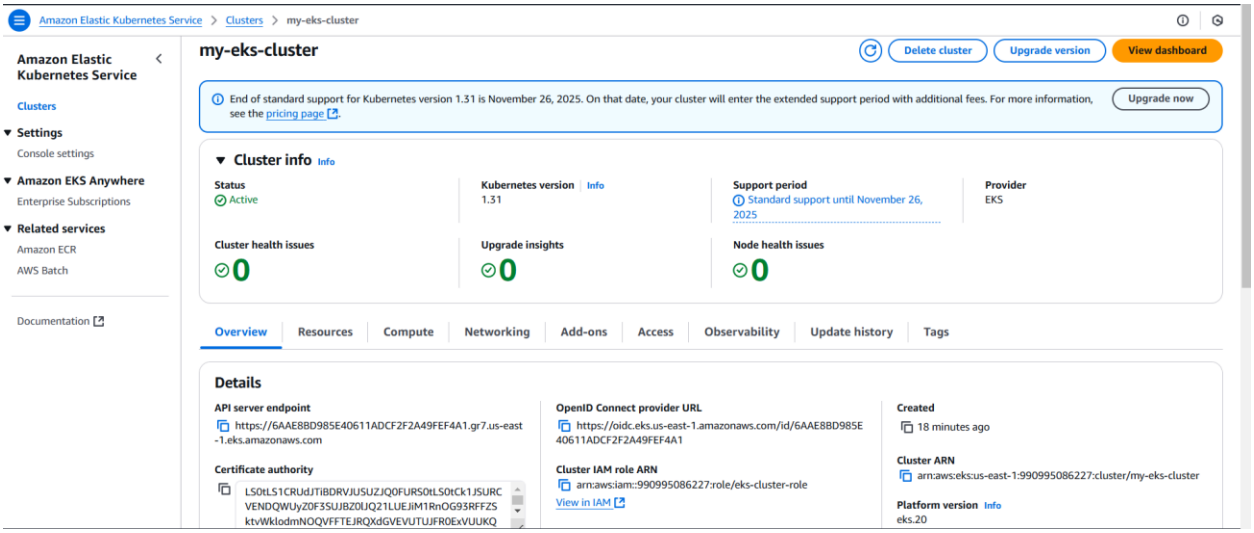
Internet Gateways



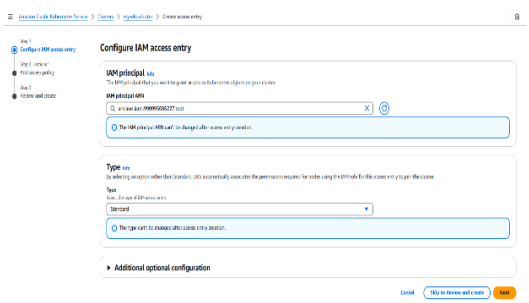
Security Groups

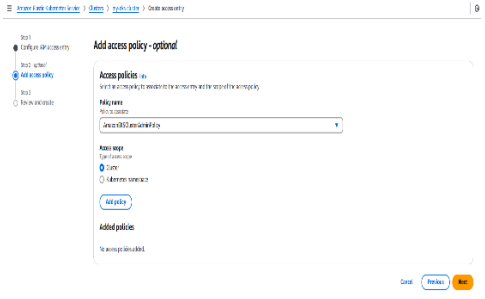


EKS-Cluster

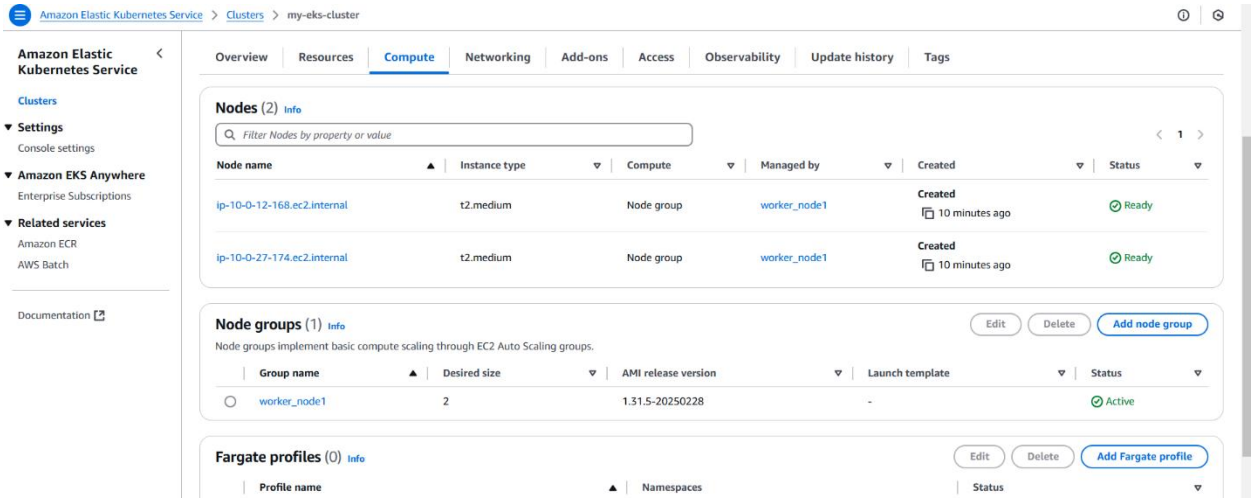


-- > After creation of Cluster Configure IAM access entry.

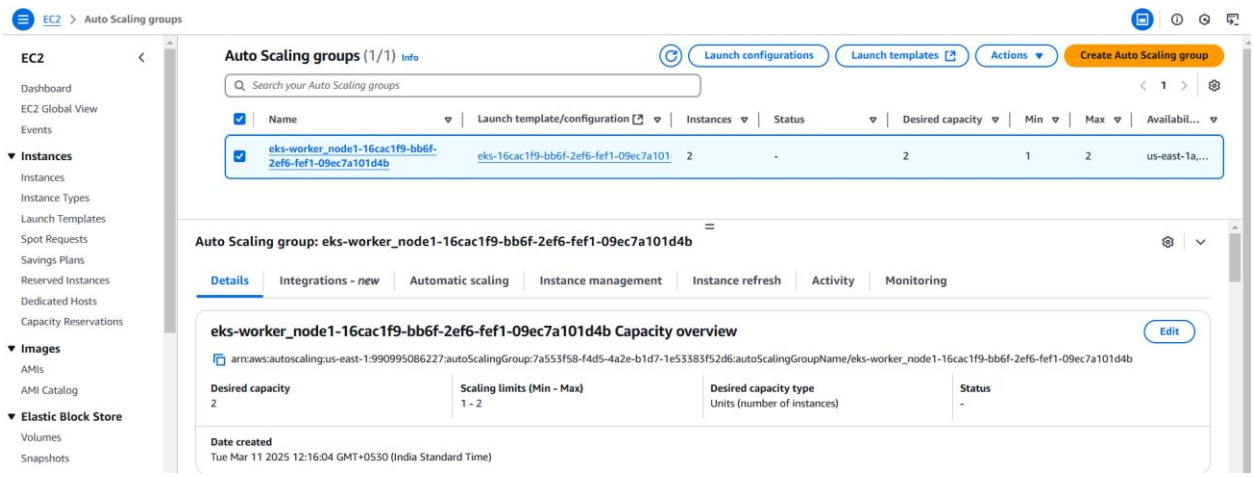




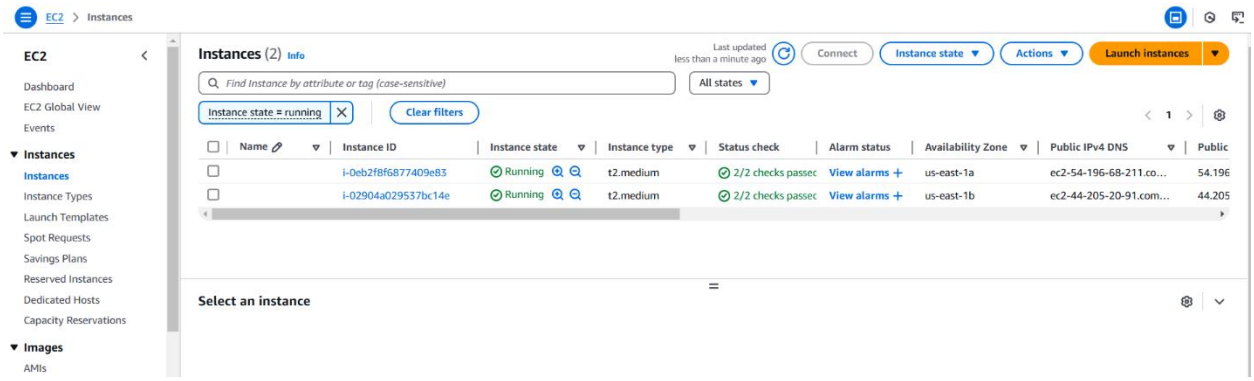
Nodes

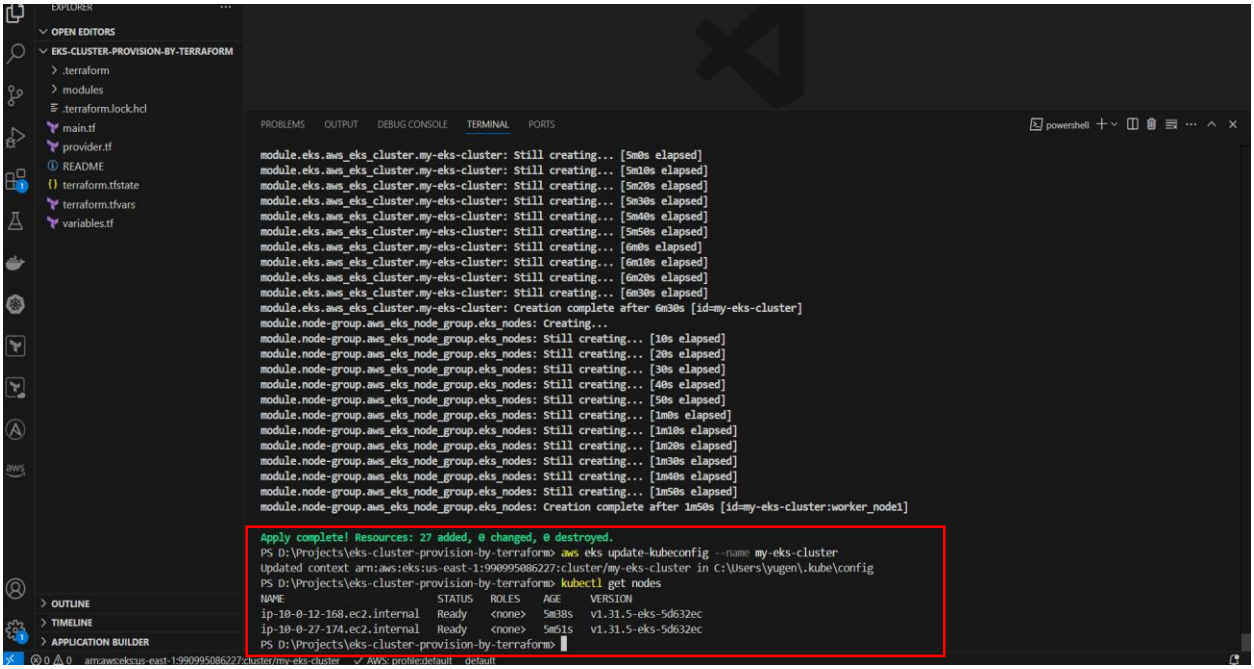


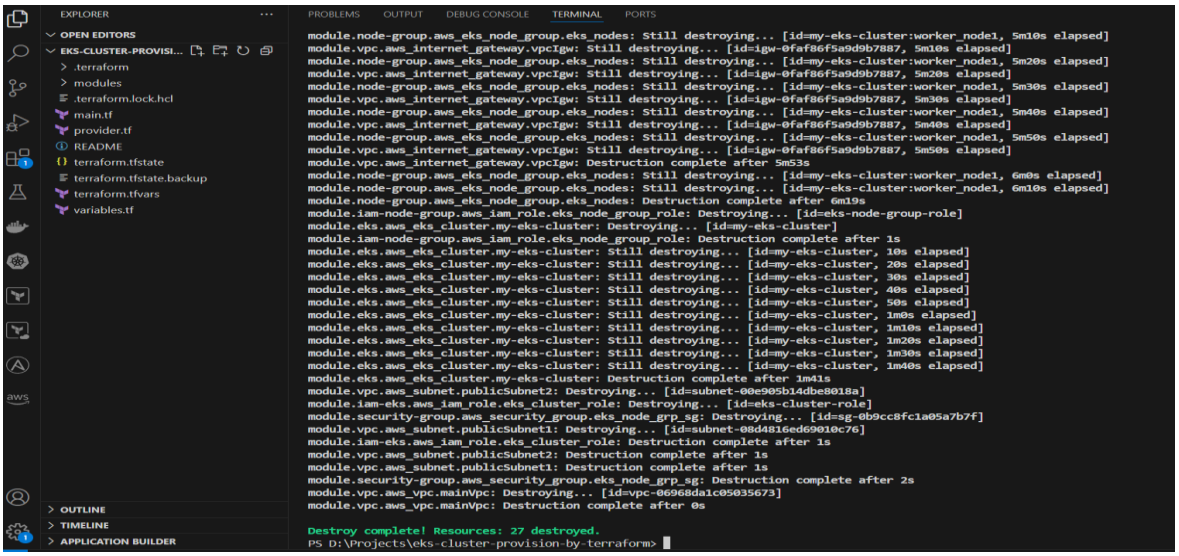
Auto Scaling Group



EC2 Instances




EXPLORER
OPEN EDITORS
EKS-CLUSTER-PROVISION-BY-TERRAFORM
.terraform
modules
.terraform.lock.hcl
main.tf
provider.tf
README
terraform.tfstate
terraform.tfvars
variables.tf
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
powershell
module.eks.aws_eks_cluster.my-eks-cluster: Still creating... [5m0s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still creating... [5m10s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still creating... [5m20s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still creating... [5m30s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still creating... [5m40s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still creating... [5m50s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still creating... [6m0s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still creating... [6m10s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still creating... [6m20s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still creating... [6m30s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Creation complete after 6m30s [id=my-eks-cluster]
module.node-group.aws_eks_node_group.eks_nodes: Creating...
module.node-group.aws_eks_node_group.eks_nodes: Still creating... [10s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Still creating... [20s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Still creating... [30s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Still creating... [40s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Still creating... [50s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Still creating... [1m0s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Still creating... [1m10s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Still creating... [1m20s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Still creating... [1m30s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Still creating... [1m40s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Still creating... [1m50s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Creation complete after 1m50s [id=my-eks-cluster:worker_node1]
Apply complete! Resources: 27 added, 0 changed, 0 destroyed.
PS D:\Projects\eks-cluster-provision-by-terraform> aws eks update-kubeconfig --name my-eks-cluster
Updated context arn:aws:eks:us-east-1:990995086227:cluster/my-eks-cluster in C:\Users\yugen\.kube\config
PS D:\Projects\eks-cluster-provision-by-terraform> kubectl get nodes
NAME STATUS ROLES AGE VERSION
ip-10-0-12-168.ec2.internal Ready <none> 5m38s v1.31.5-eks-5d632ec
ip-10-0-27-174.ec2.internal Ready <none> 5m51s v1.31.5-eks-5d632ec
PS D:\Projects\eks-cluster-provision-by-terraform>
OUTLINE
TIMELINE
APPLICATION BUILDER


EXPLORER
OPEN EDITORS
EKS-CLUSTER-PROVISI...
.terraform
modules
.terraform.lock.hcl
main.tf
provider.tf
README
terraform.tfstate
terraform.tfstate.backup
terraform.tfvars
variables.tf
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
module.node-group.aws_eks_node_group.eks_nodes: Still destroying... [id=my-eks-cluster:worker_node1, 5m10s elapsed]
module.vpc.aws_internet_gateway.vpcIgw: Still destroying... [id=igw-0faf86f5a9d9b7887, 5m10s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Still destroying... [id=my-eks-cluster:worker_node1, 5m20s elapsed]
module.vpc.aws_internet_gateway.vpcIgw: Still destroying... [id=igw-0faf86f5a9d9b7887, 5m20s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Still destroying... [id=my-eks-cluster:worker_node1, 5m30s elapsed]
module.vpc.aws_internet_gateway.vpcIgw: Still destroying... [id=igw-0faf86f5a9d9b7887, 5m30s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Still destroying... [id=my-eks-cluster:worker_node1, 5m40s elapsed]
module.vpc.aws_internet_gateway.vpcIgw: Still destroying... [id=igw-0faf86f5a9d9b7887, 5m40s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Still destroying... [id=my-eks-cluster:worker_node1, 5m50s elapsed]
module.vpc.aws_internet_gateway.vpcIgw: Still destroying... [id=igw-0faf86f5a9d9b7887, 5m50s elapsed]
module.vpc.aws_internet_gateway.vpcIgw: Destruction complete after 5m53s
module.node-group.aws_eks_node_group.eks_nodes: Still destroying... [id=my-eks-cluster:worker_node1, 6m0s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Still destroying... [id=my-eks-cluster:worker_node1, 6m10s elapsed]
module.node-group.aws_eks_node_group.eks_nodes: Destruction complete after 6m19s
module.iam-node-group.aws_iam_role.eks_node_group_role: Destroying... [id=eks-node-group-role]
module.eks.aws_eks_cluster.my-eks-cluster: Destroying... [id=my-eks-cluster]
module.iam-node-group.aws_iam_role.eks_node_group_role: Destruction complete after 1s
module.eks.aws_eks_cluster.my-eks-cluster: Still destroying... [id=my-eks-cluster, 10s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still destroying... [id=my-eks-cluster, 20s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still destroying... [id=my-eks-cluster, 30s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still destroying... [id=my-eks-cluster, 40s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still destroying... [id=my-eks-cluster, 50s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still destroying... [id=my-eks-cluster, 1m0s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still destroying... [id=my-eks-cluster, 1m10s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still destroying... [id=my-eks-cluster, 1m20s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still destroying... [id=my-eks-cluster, 1m30s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Still destroying... [id=my-eks-cluster, 1m40s elapsed]
module.eks.aws_eks_cluster.my-eks-cluster: Destruction complete after 1m41s
module.vpc.aws_subnet.publicSubnet2: Destroying... [id=subnet-00e905b14dbe8018a]
module.iam-eks.aws_iam_role.eks_cluster_role: Destroying... [id=eks-cluster-role]
module.security-group.aws_security_group.eks_node_grp_sg: Destroying... [id=sg-0b9cc8fc1a05a7b7f]
module.vpc.aws_subnet.publicSubnet1: Destroying... [id=subnet-08d4816ed69010c76]
module.iam-eks.aws_iam_role.eks_cluster_role: Destruction complete after 1s
module.vpc.aws_subnet.publicSubnet2: Destruction complete after 1s
module.vpc.aws_subnet.publicSubnet1: Destruction complete after 1s
module.security-group.aws_security_group.eks_node_grp_sg: Destruction complete after 2s
module.vpc.aws_vpc.mainVpc: Destroying... [id=vpc-06968da1c05035673]
module.vpc.aws_vpc.mainVpc: Destruction complete after 0s
Destroy complete! Resources: 27 destroyed.
PS D:\Projects\eks-cluster-provision-by-terraform>
OUTLINE
TIMELINE
APPLICATION BUILDER