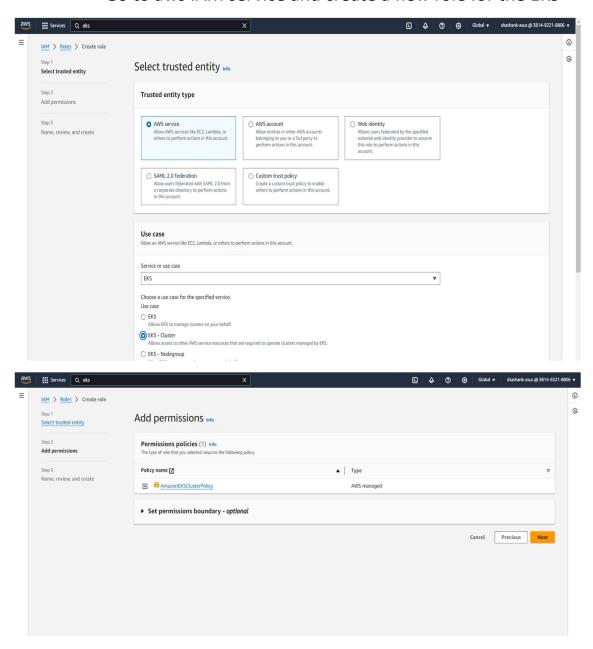
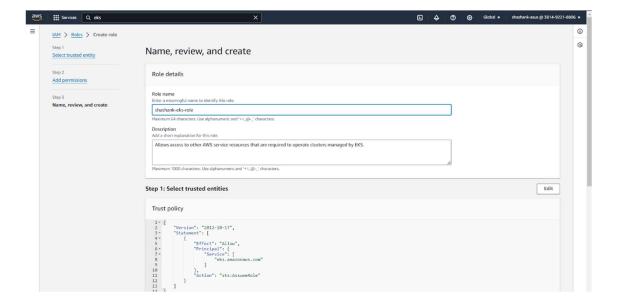
Task

Creating an Amazon EKS (Elastic Kubernetes Service) cluster

Name- Shashank Sharma

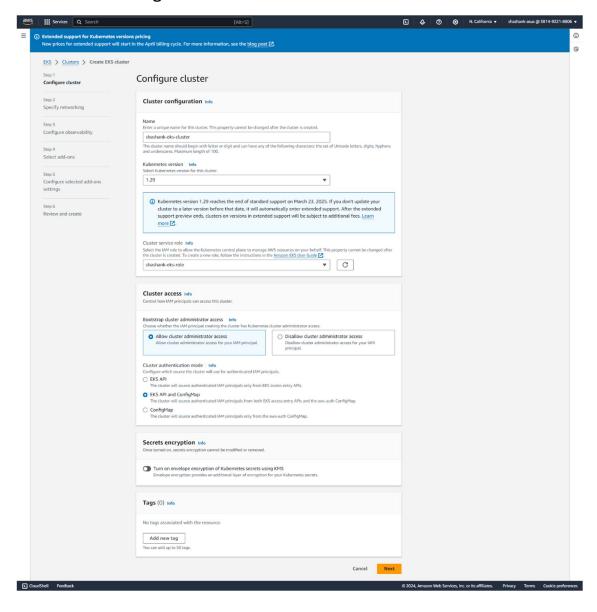
- 1. Set up IAM roles for EKS.
 - Go to aws IAM service and create a new role for the EKS

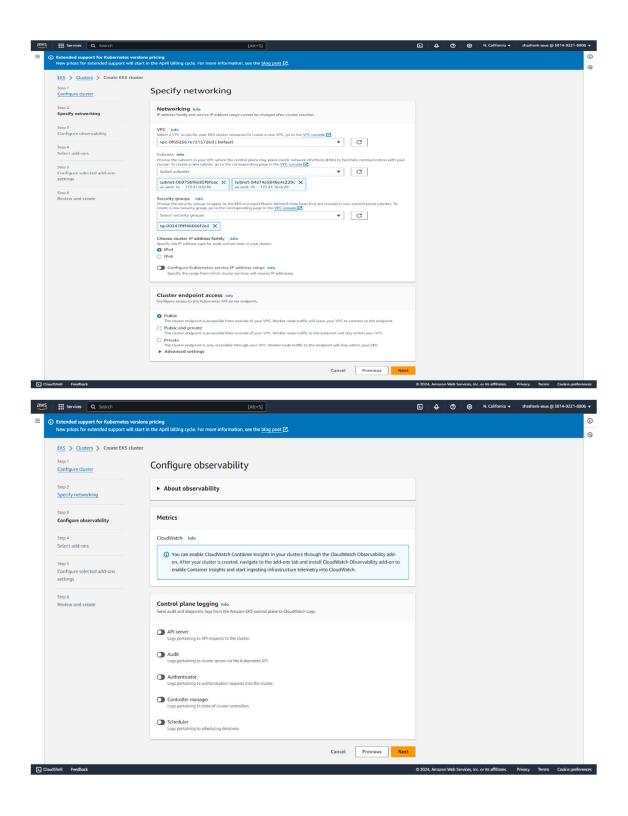


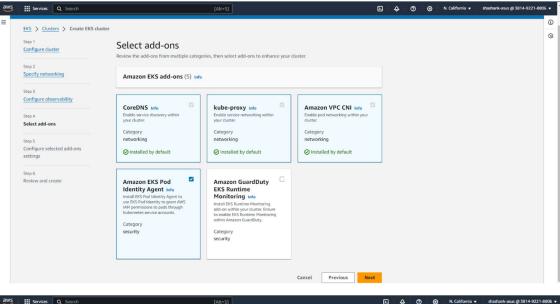


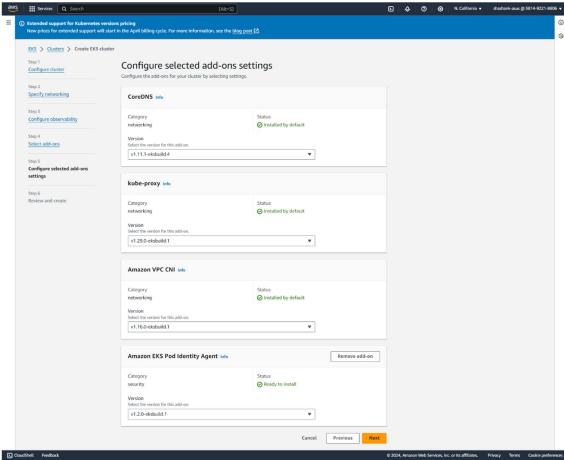
2. Create an EKS cluster.

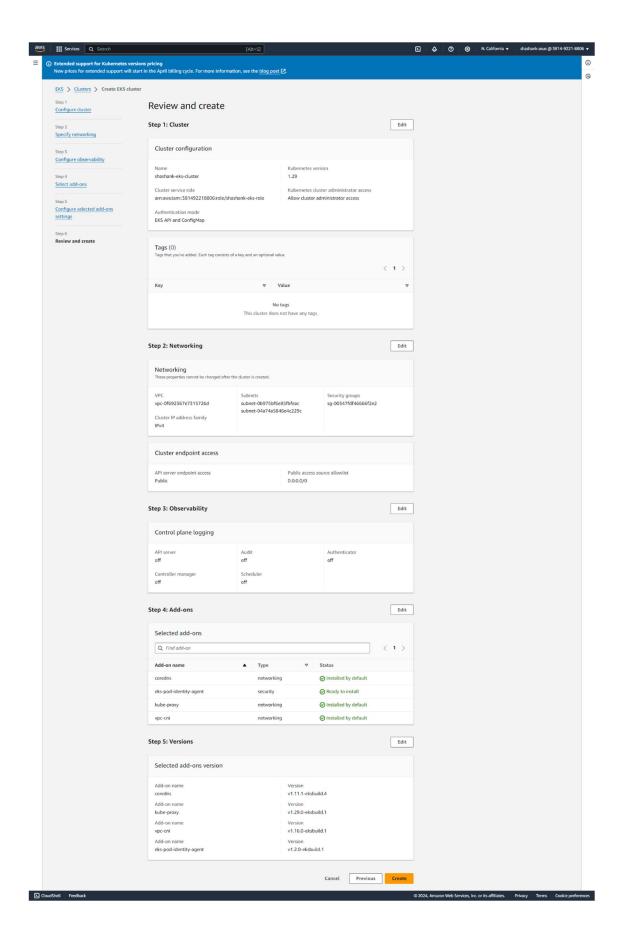
- Open the Amazon EKS console.
- Click on "Create Cluster" and choose the "AWS management Console" method.



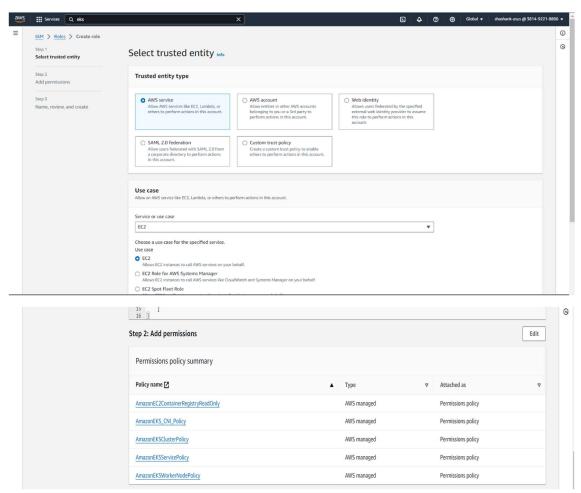








3. Set up IAM roles for EC2.

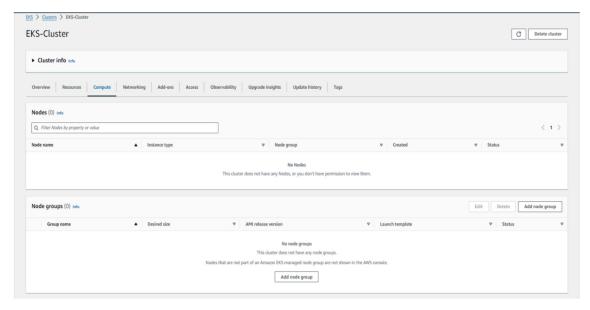


- 4. Configure the AWS Cloudshell.
 - Open aws cloudshell & configure aws.

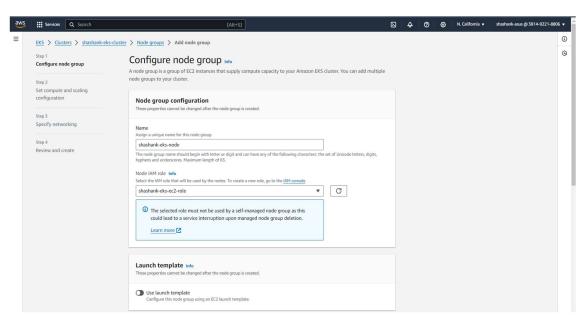


5. Add worker nodes.

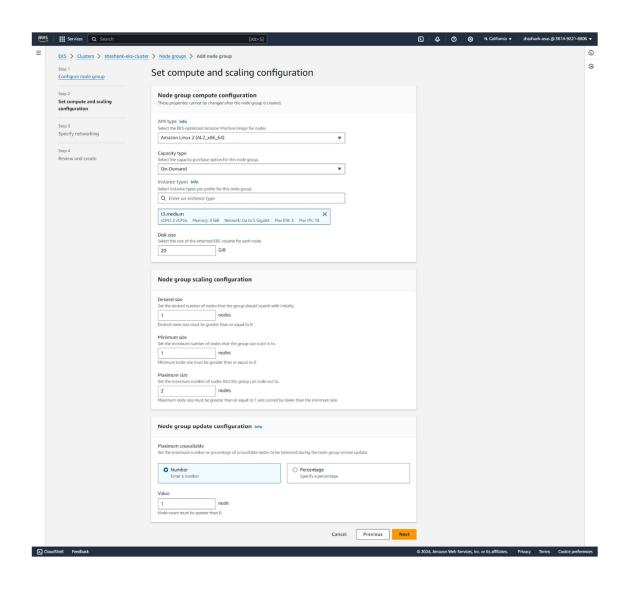
- In the AWS EKS console select your cluster.
- In cluster go to compute service.



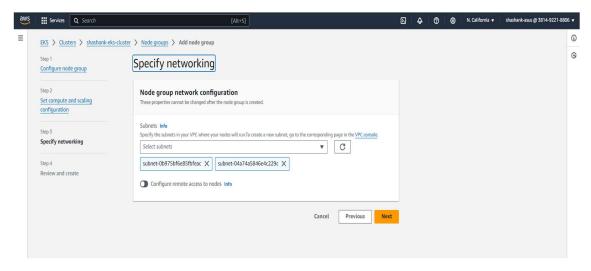
- Click on "Ad Node Group".
- Select the "Name" & "IAM ROLE".



- Click on next.
- Select the values for the node configuration a below.



- Click on next.
- Select the subnets.



- Click on "next" and then "Create"
- Go to the EC2 AWS console & Check whether your node is running or not.



6. Verify the cluster.

Open cloudshell and execute the following commands.
aws eks update-kubeconfig --region <region> --name
<cluster-name>
kubectl cluster-info