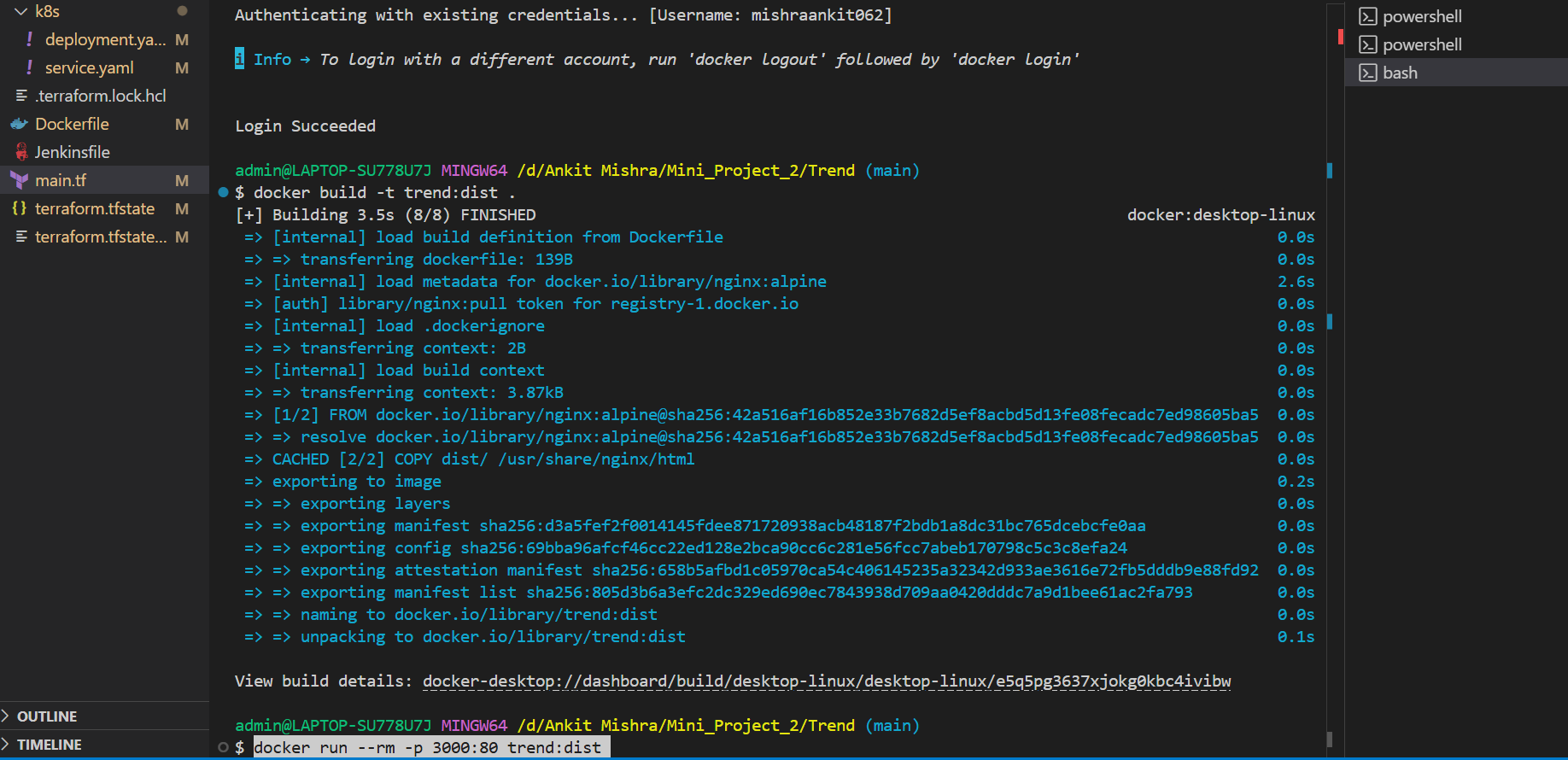
Snapshot Step by Step for Project 2

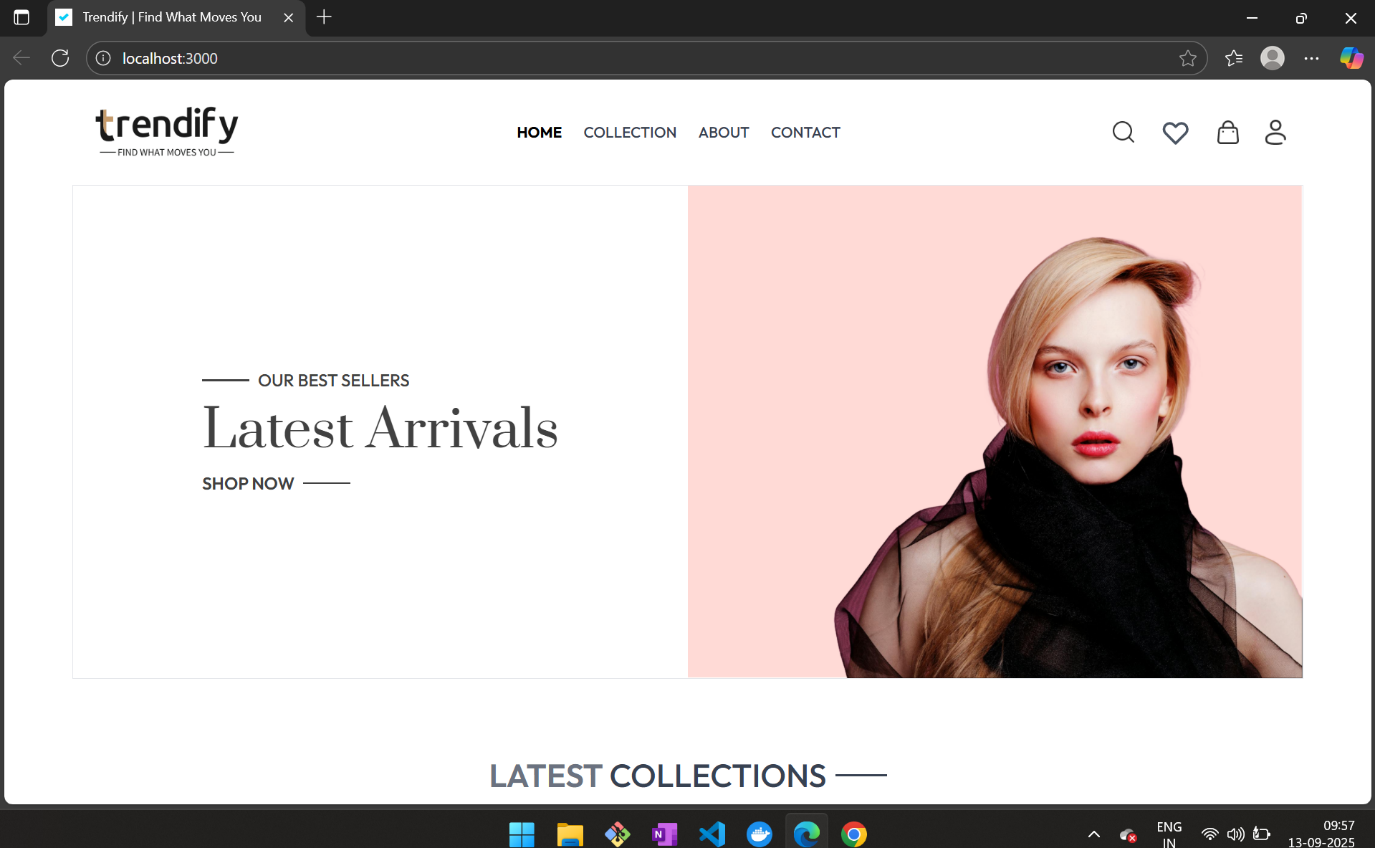
Step 1: Docker



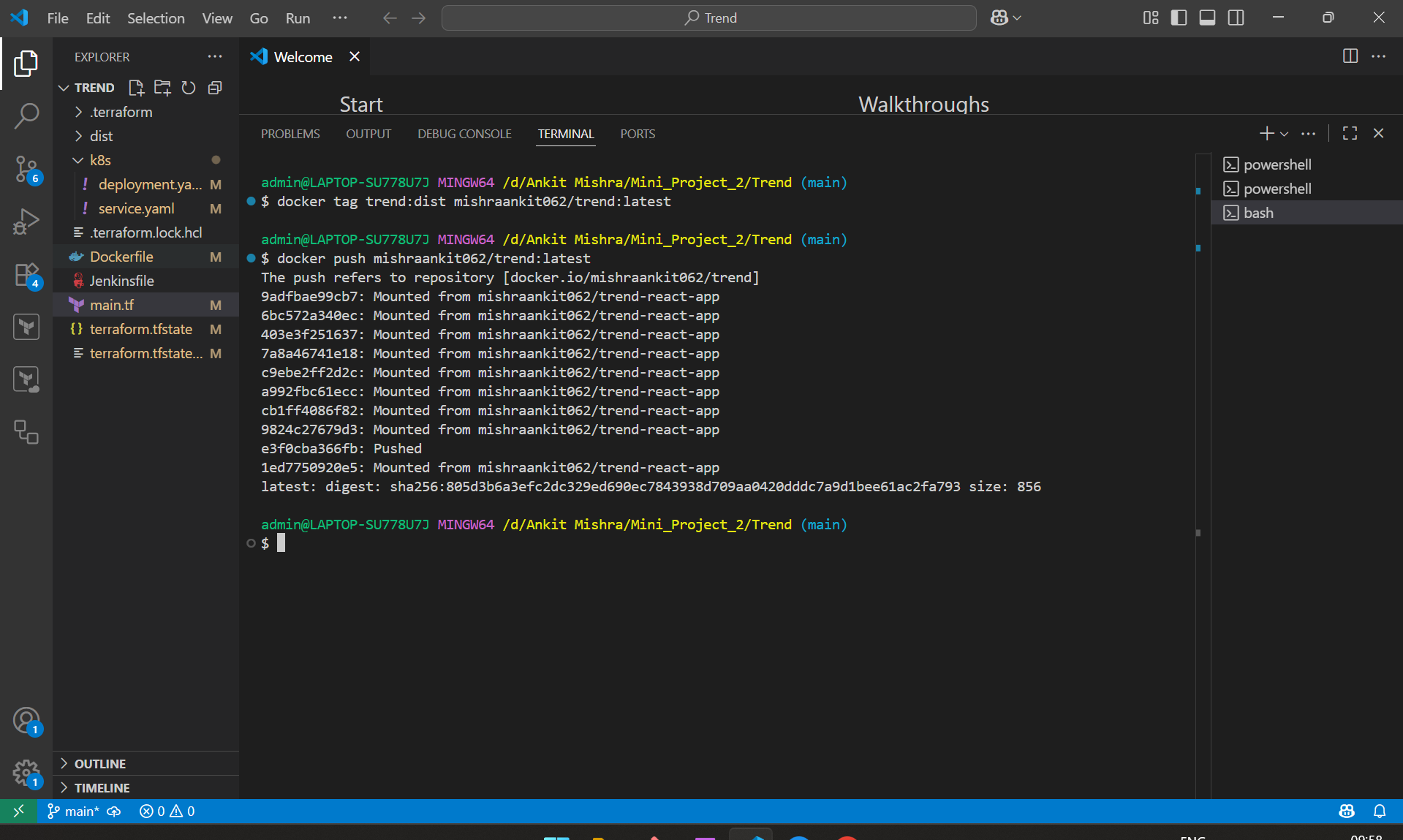
1.Building an application using Docker file.



2.Running Docker file in local system

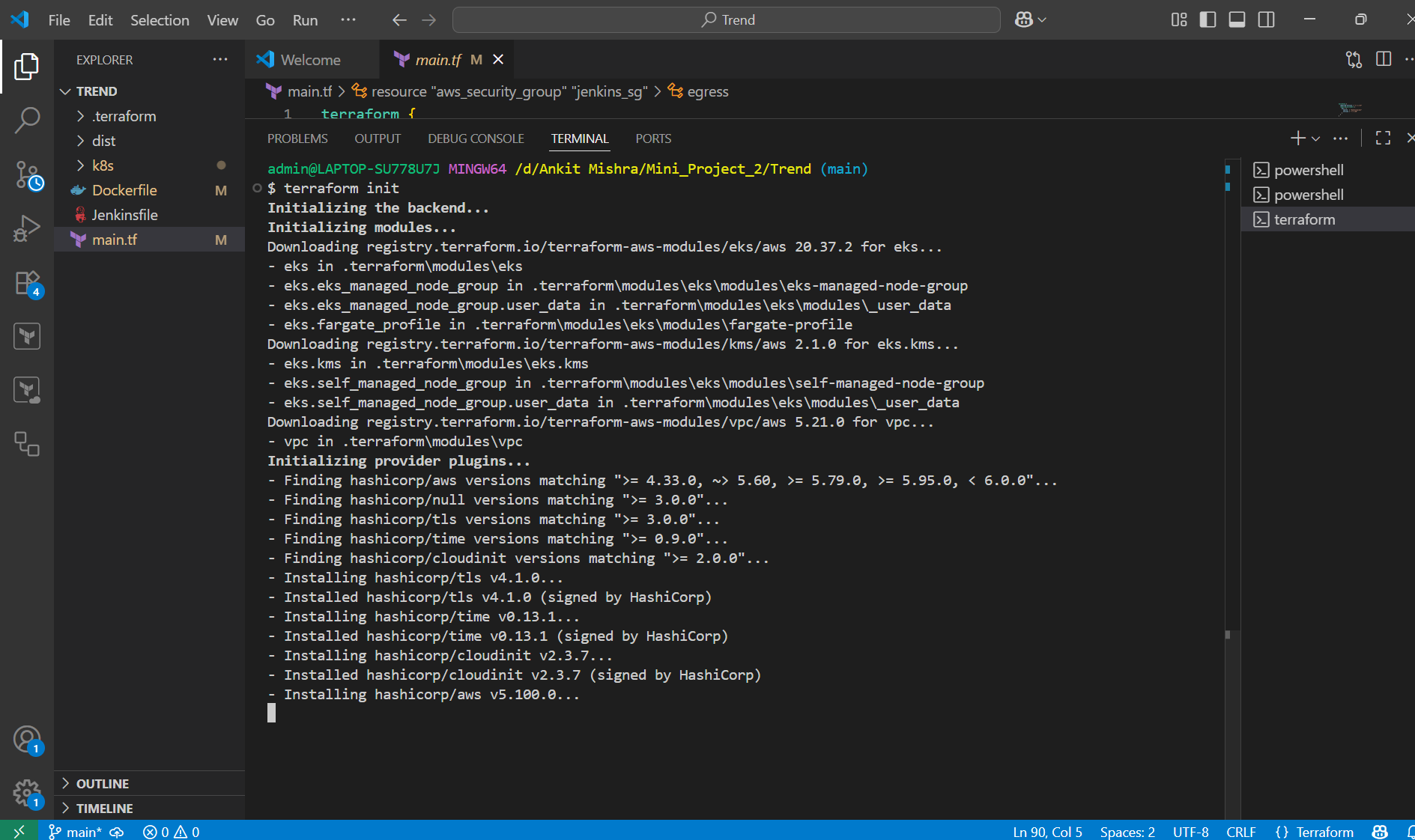


3.Project running in local system

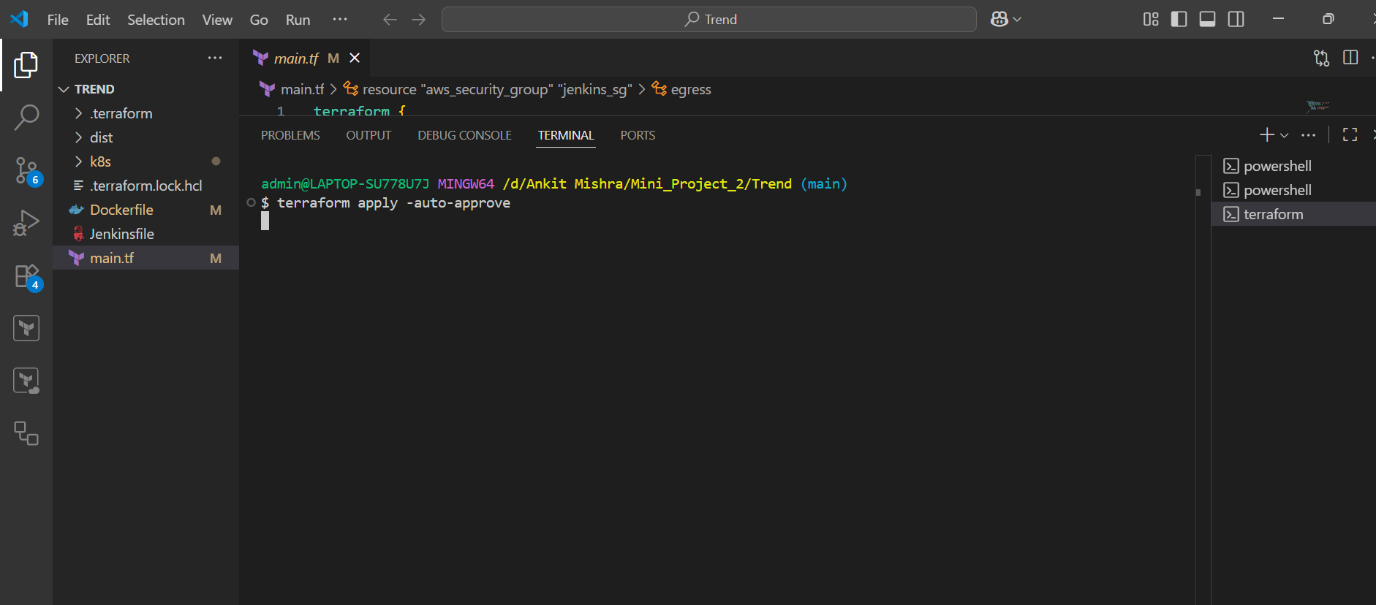


4.Pushing the Docker image to Docker hub Repo

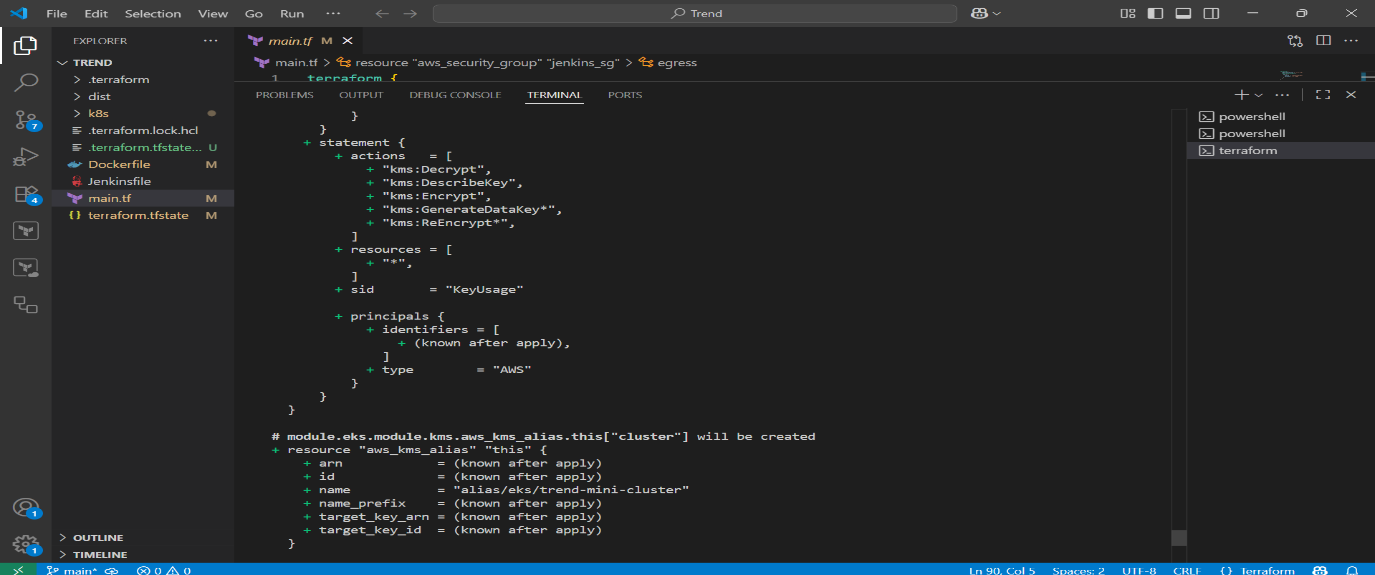
Step2: **Terraform**

****

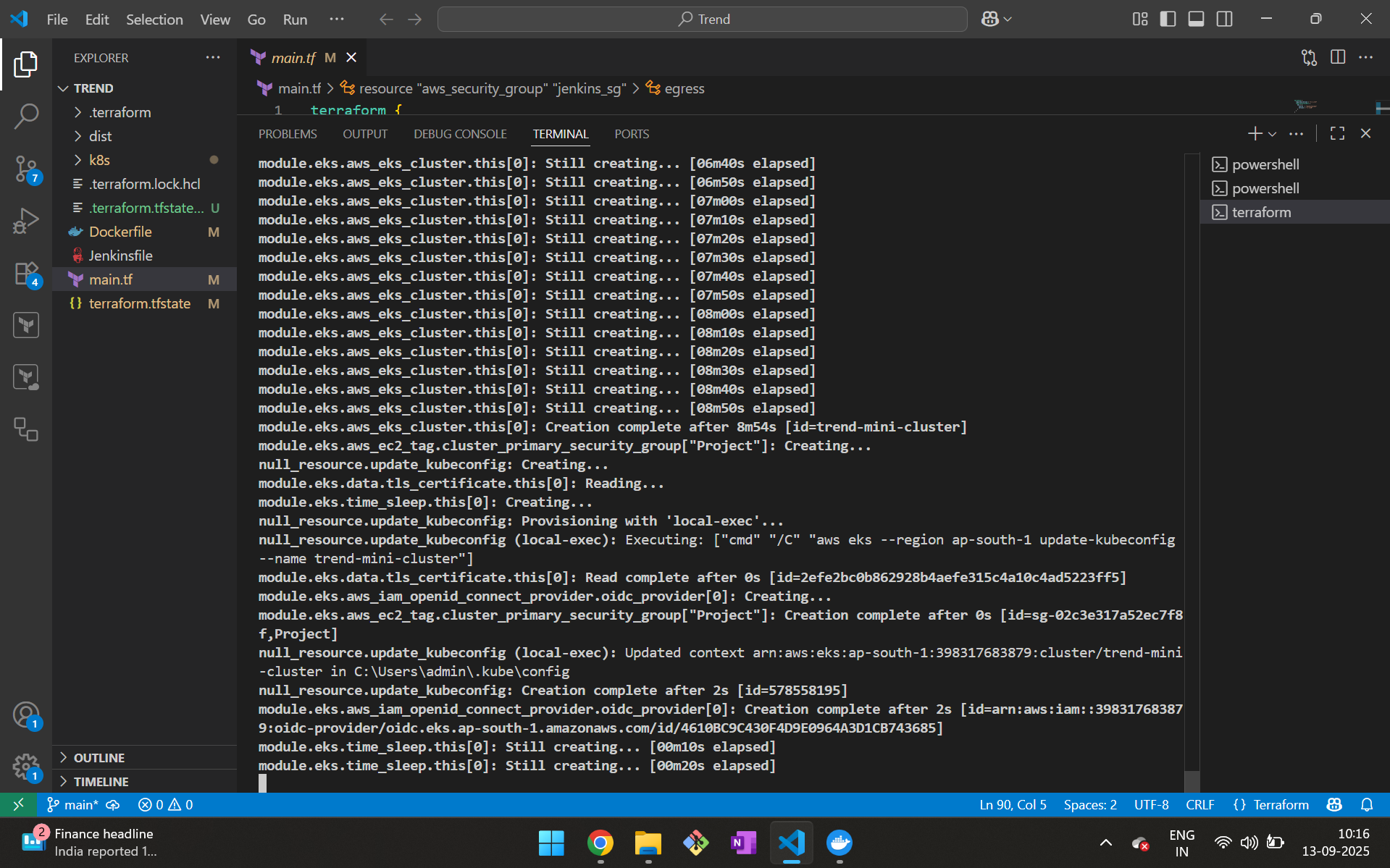
5. **Initializing terraform**

****

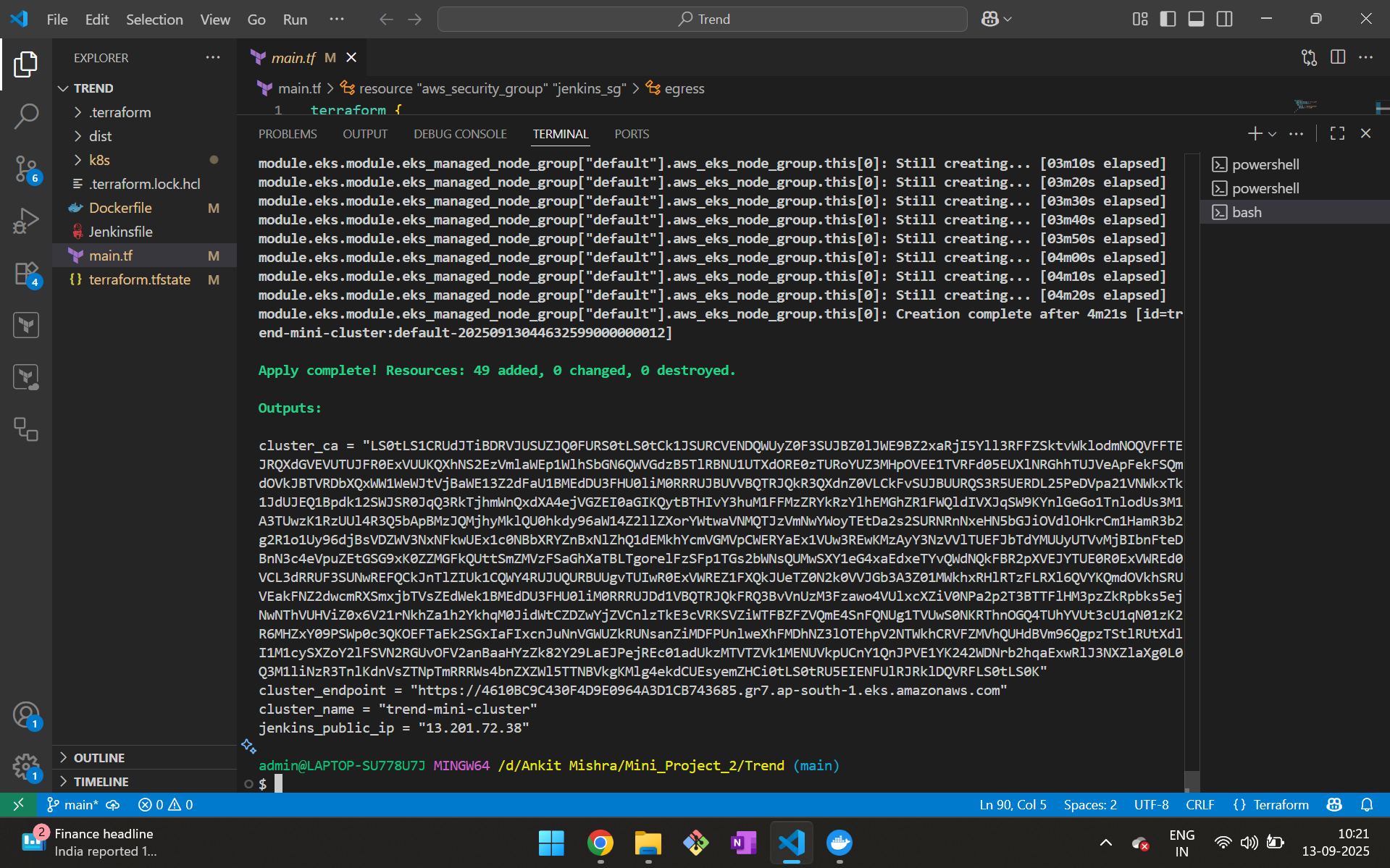
**6.1. Applying terraform so terraform code get initiated**

****

**6.2**

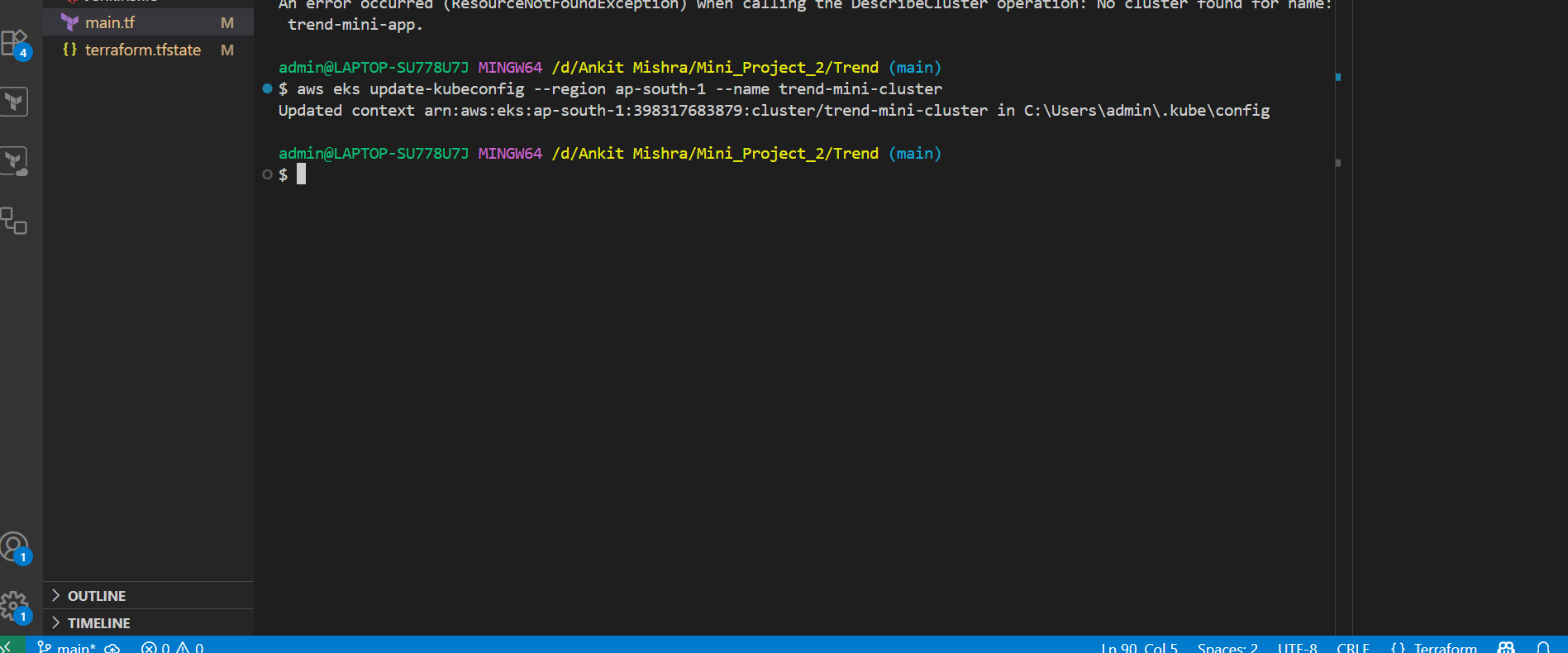
****

**6.3**

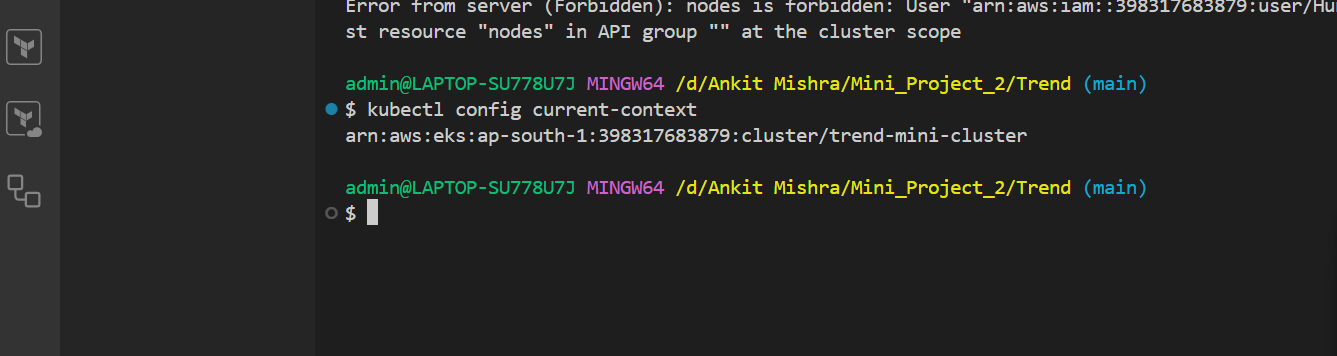
****

**6.6. Code get initiated and machine is created in aws account**

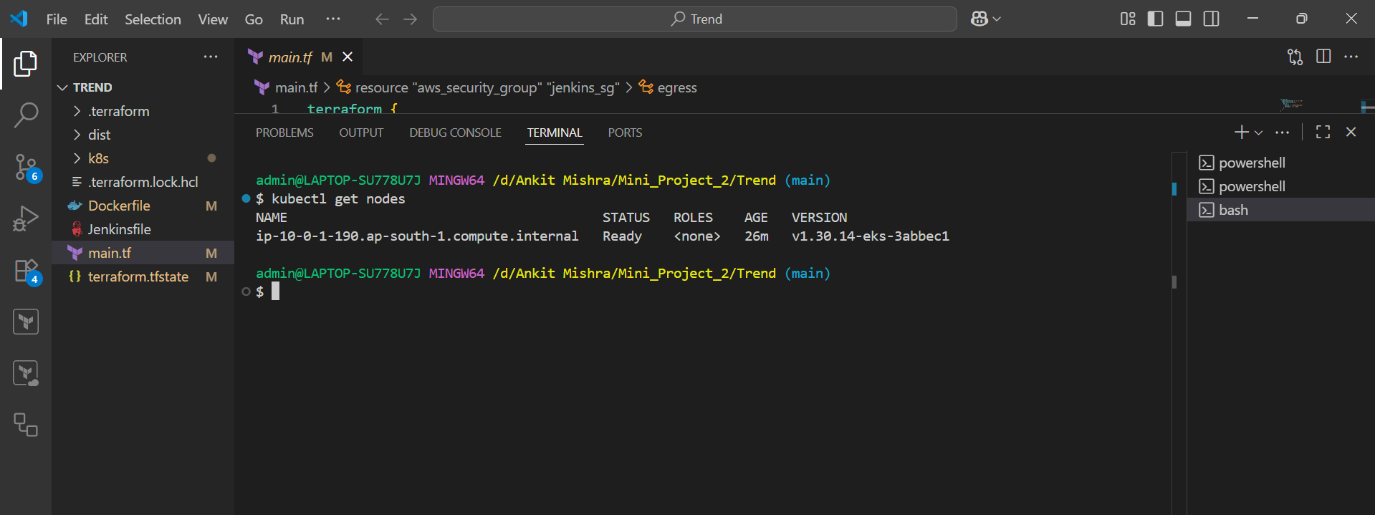
**Step3: Kubernetes**

****

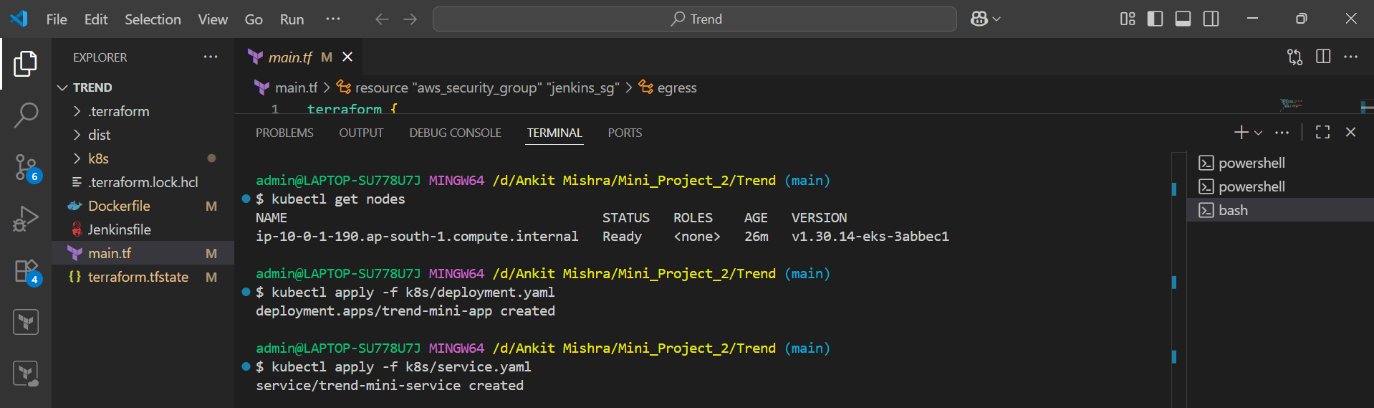
**7. Setup for Kubernetes and provide name for the cluster**

****

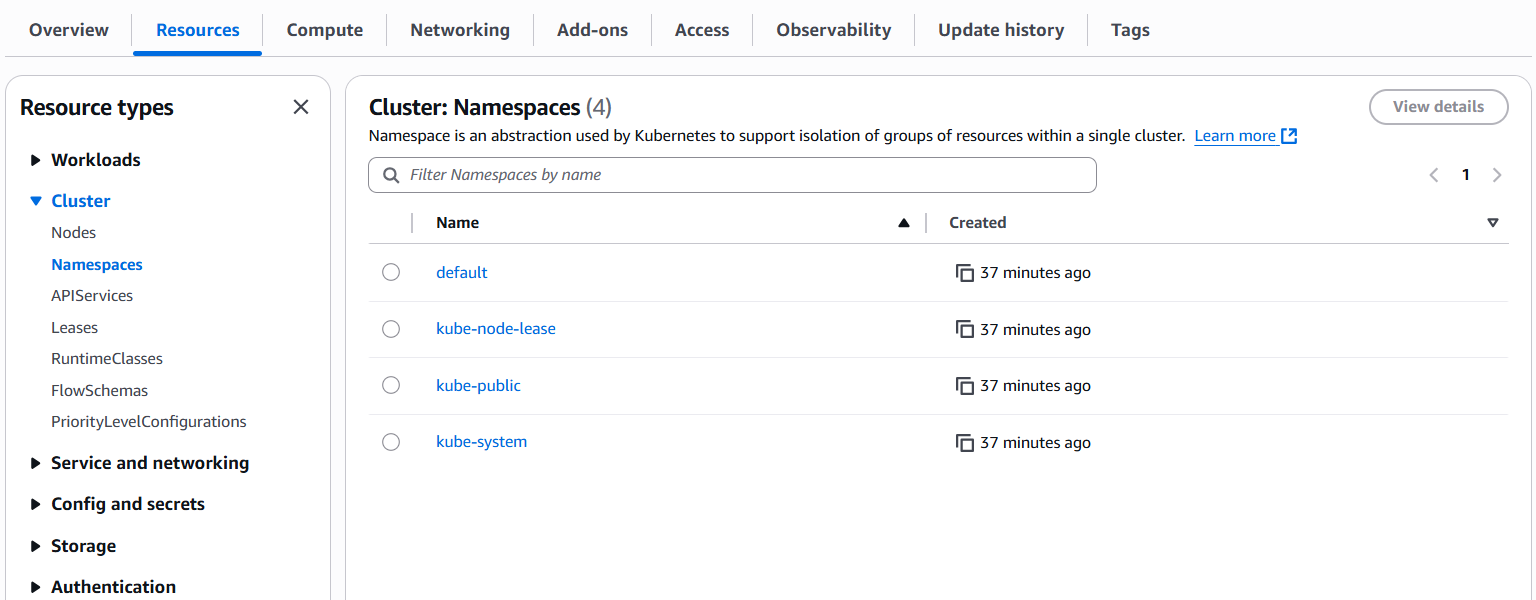
**8. Checking arn created**

****

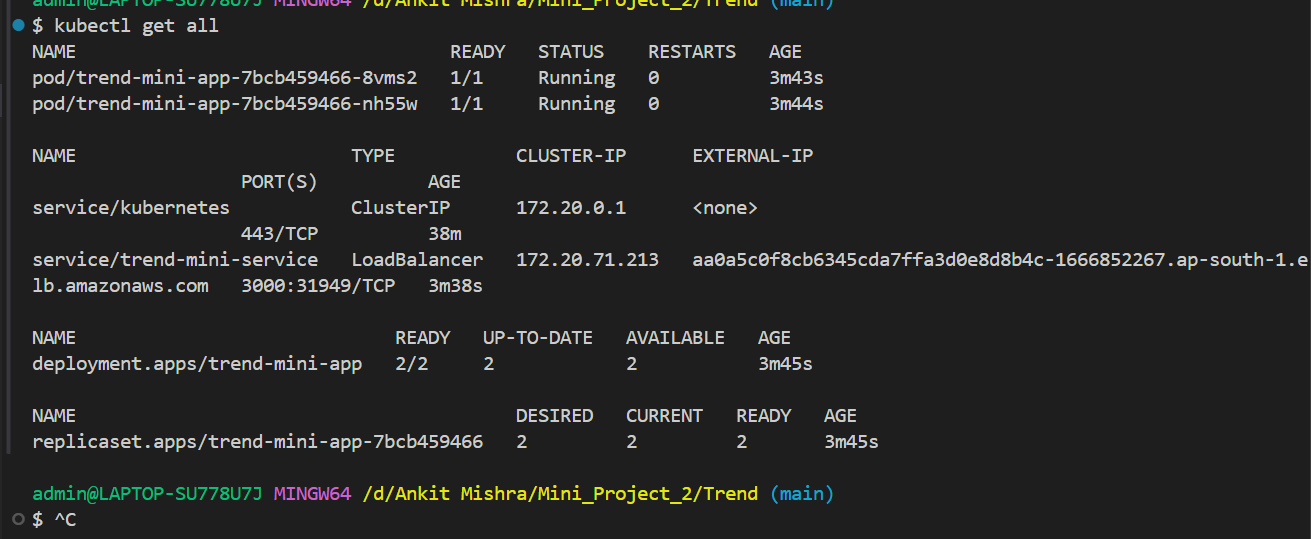
**9. Status of nodes**

****

**10. Running cmd deployment and service yml files**

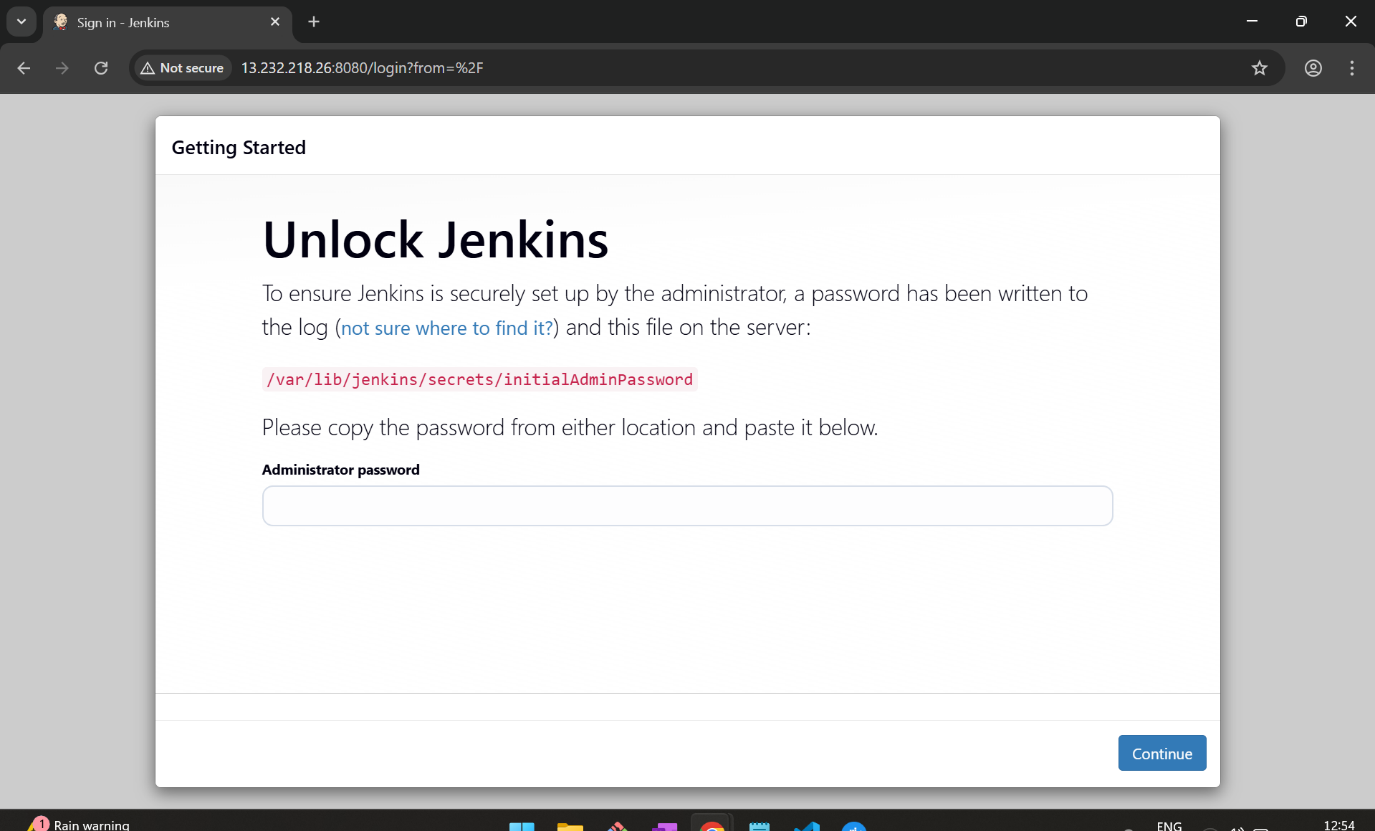
****

**11. nodes created in aws account**

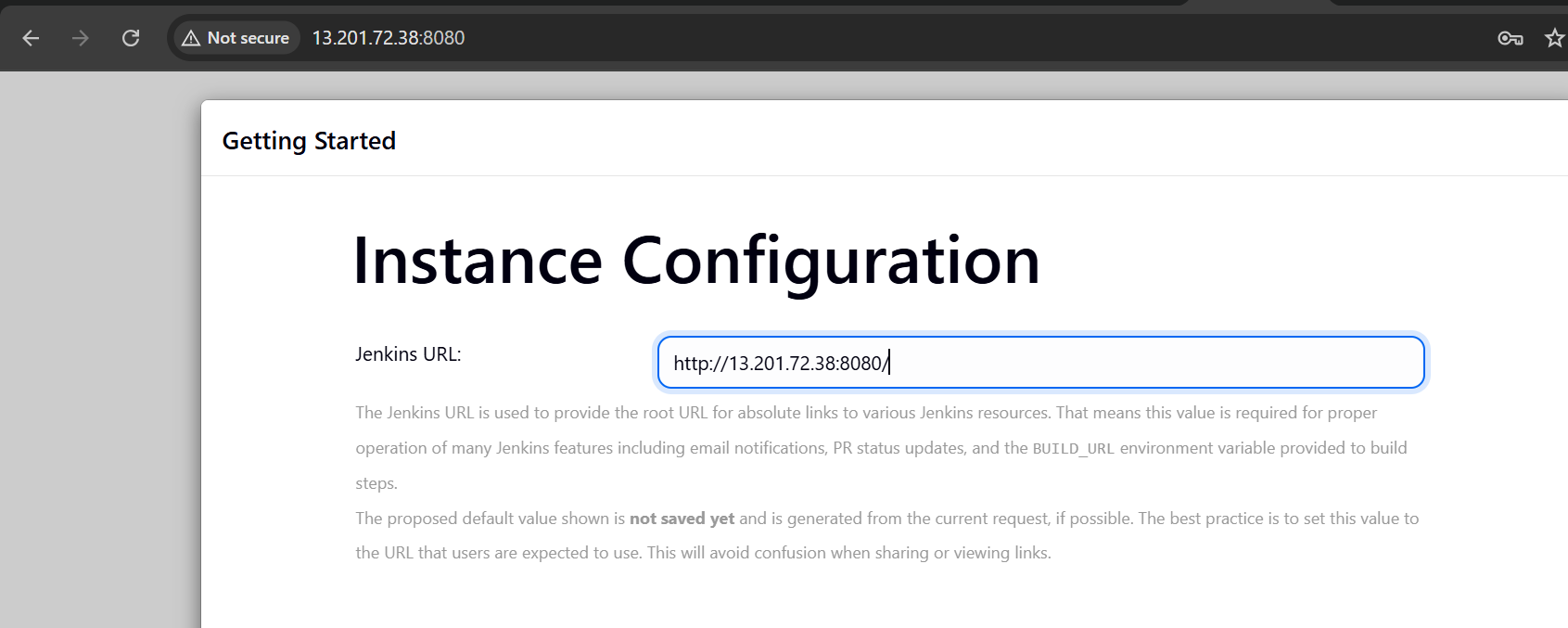
****

**12.all info about running nodes and cluster.**

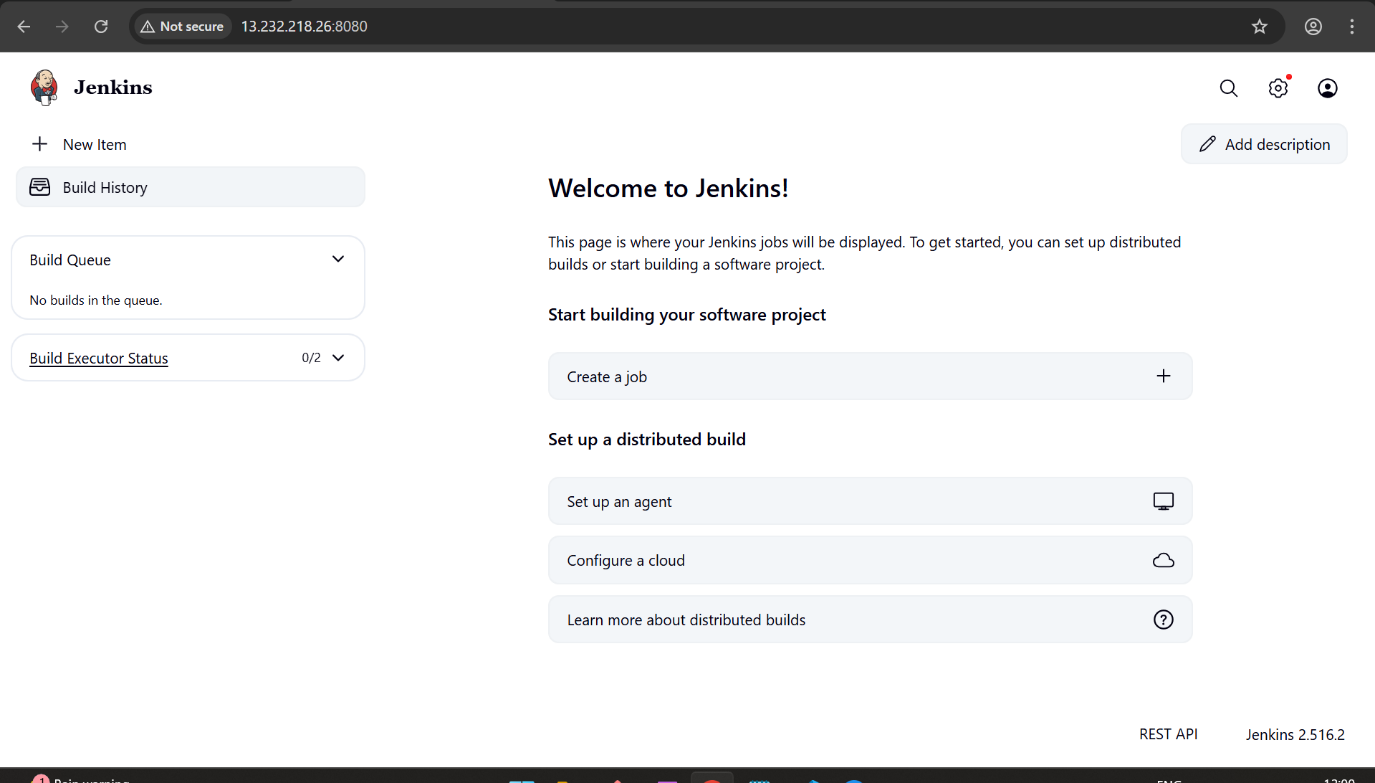
**Step5: Jenkins**

****

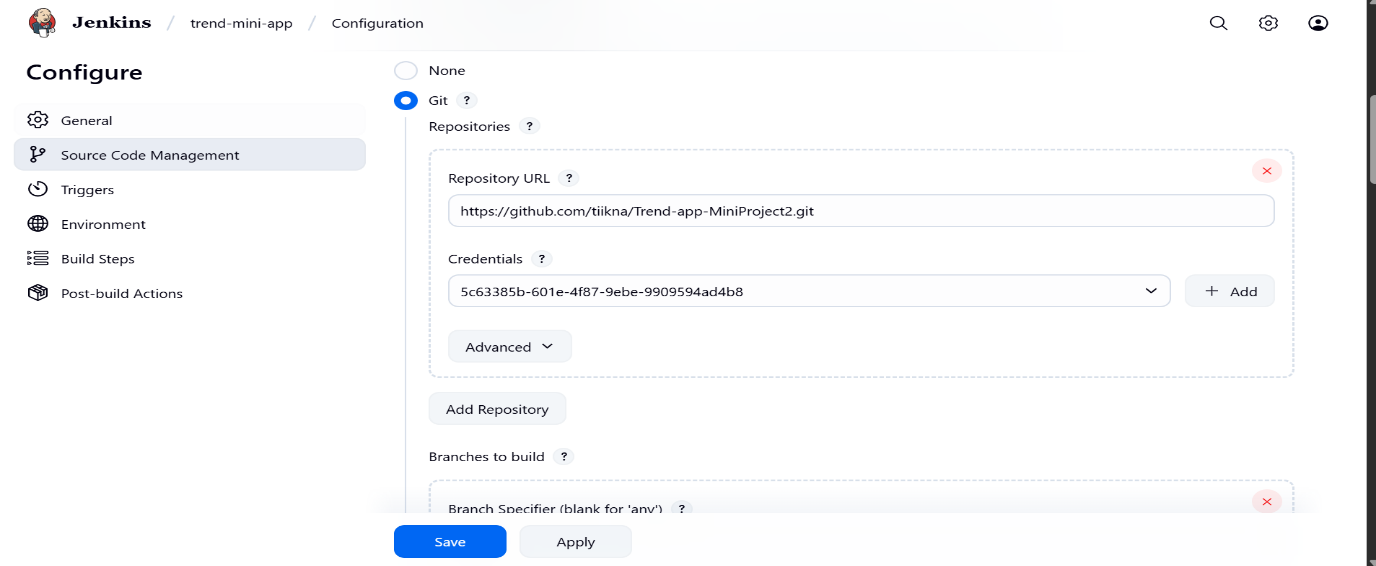
**12. Jenkins installed In Ec2 machine ready to Crete an account**

****

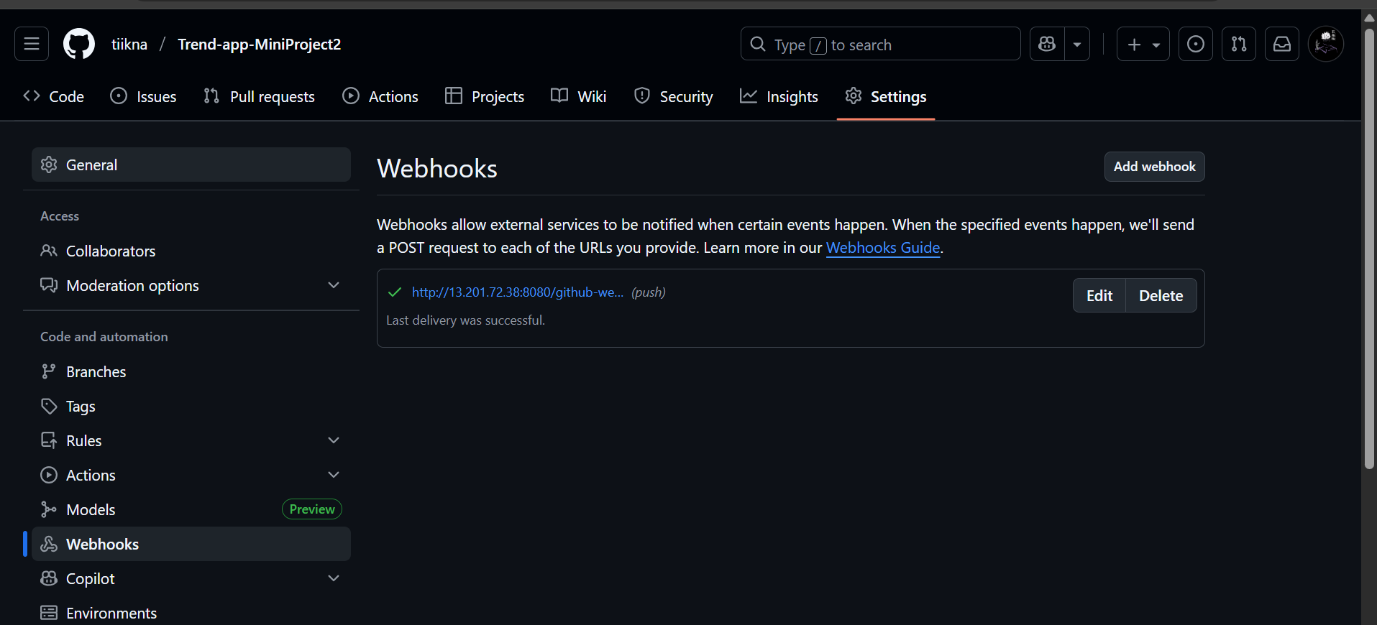
**12.1**

****

**13. Home page of Jenkins page after account get created**

****

**14. GitHub and Jenkins integration using GitHub webhook**

****

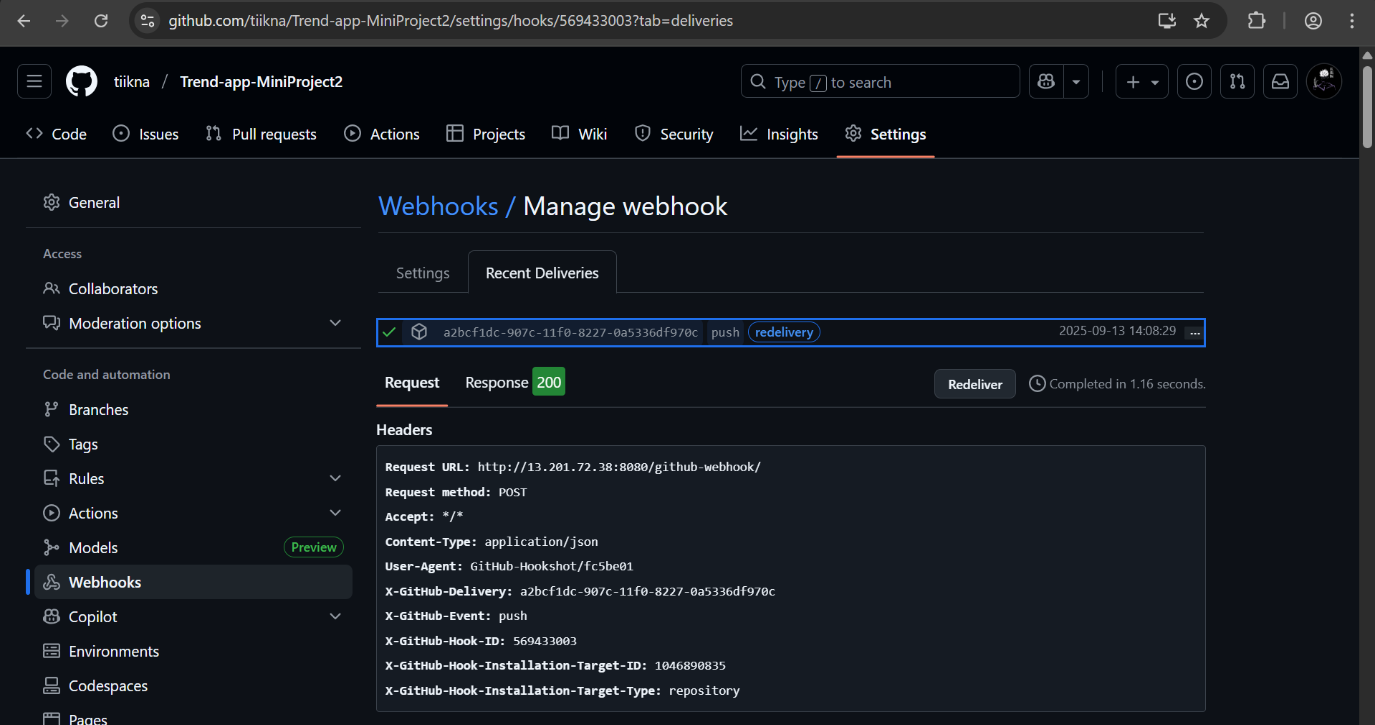
**14.1**

****

**15. Configuring kube config in EC2 machine where Jenkins is running**

****

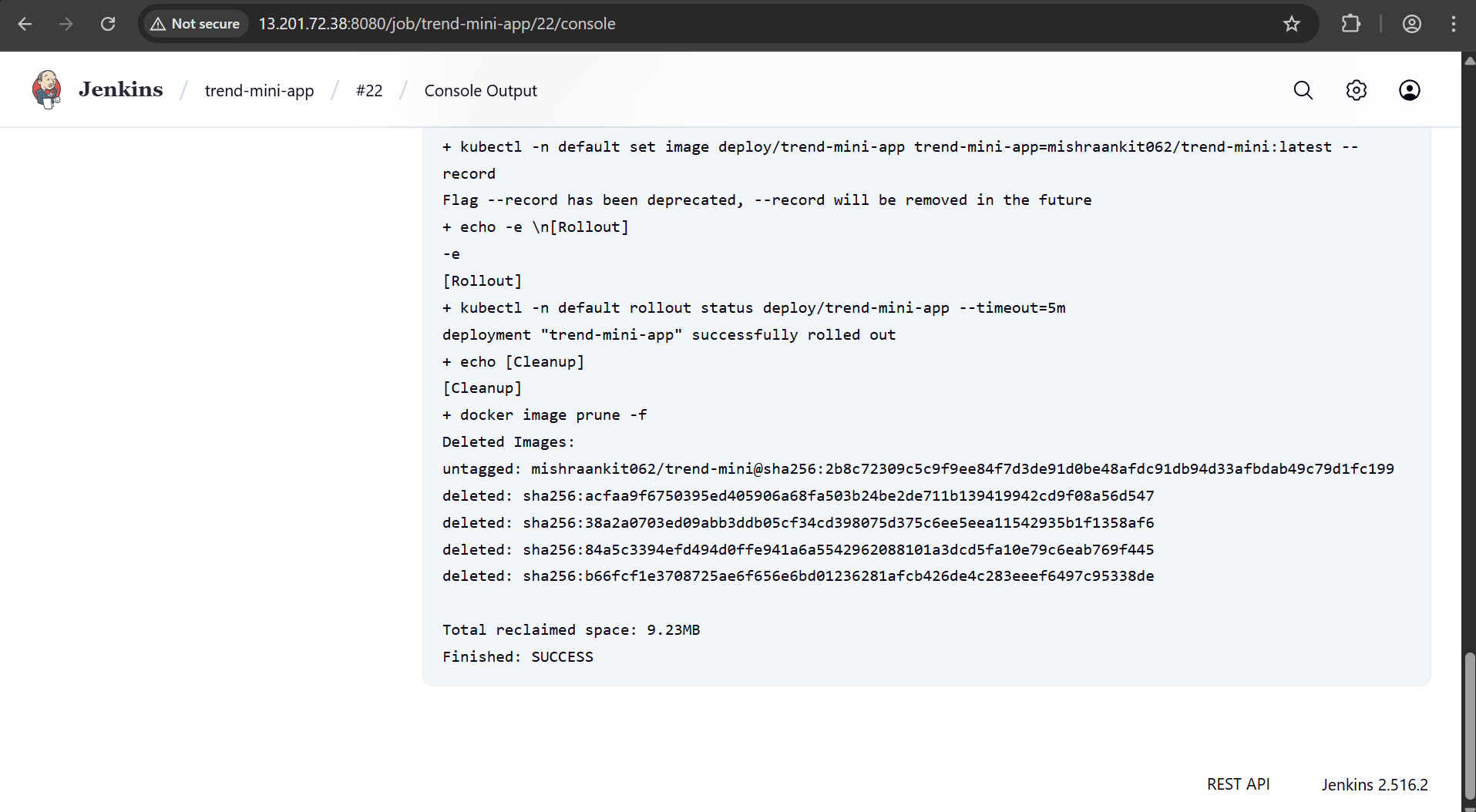
**15.1**

****

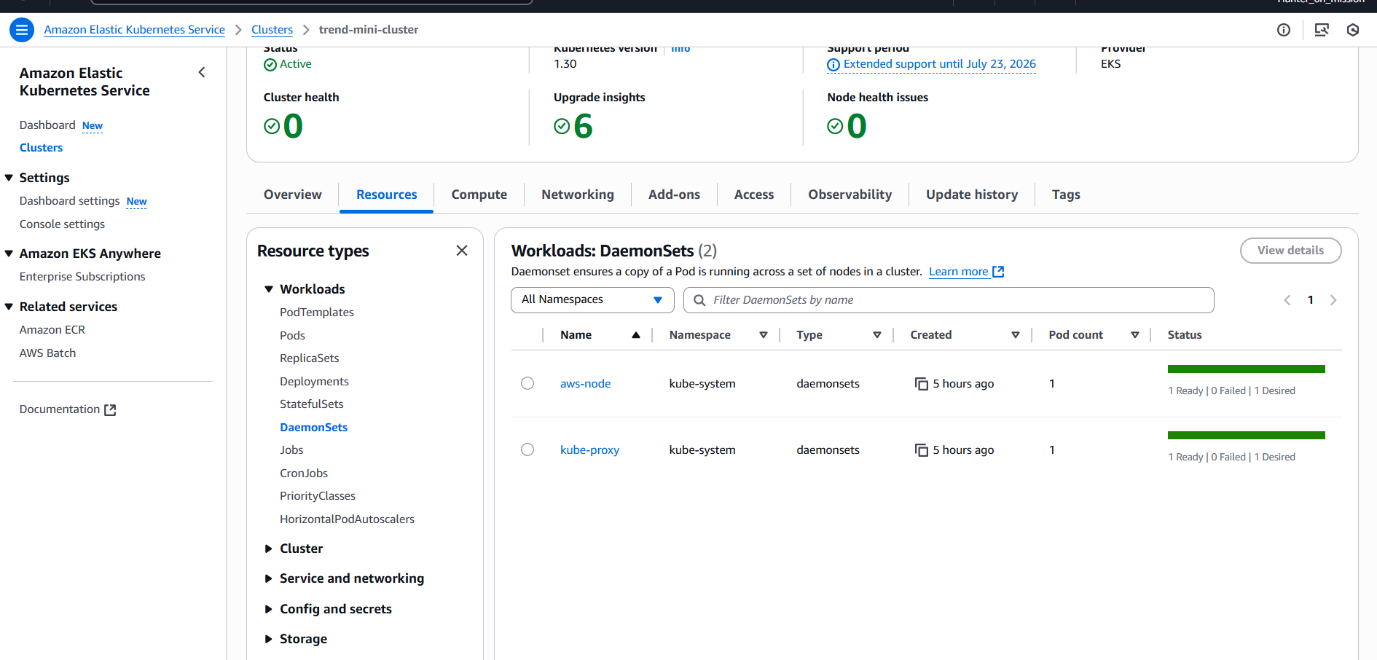
**16. webhook trigger in GitHub script get executed**

****

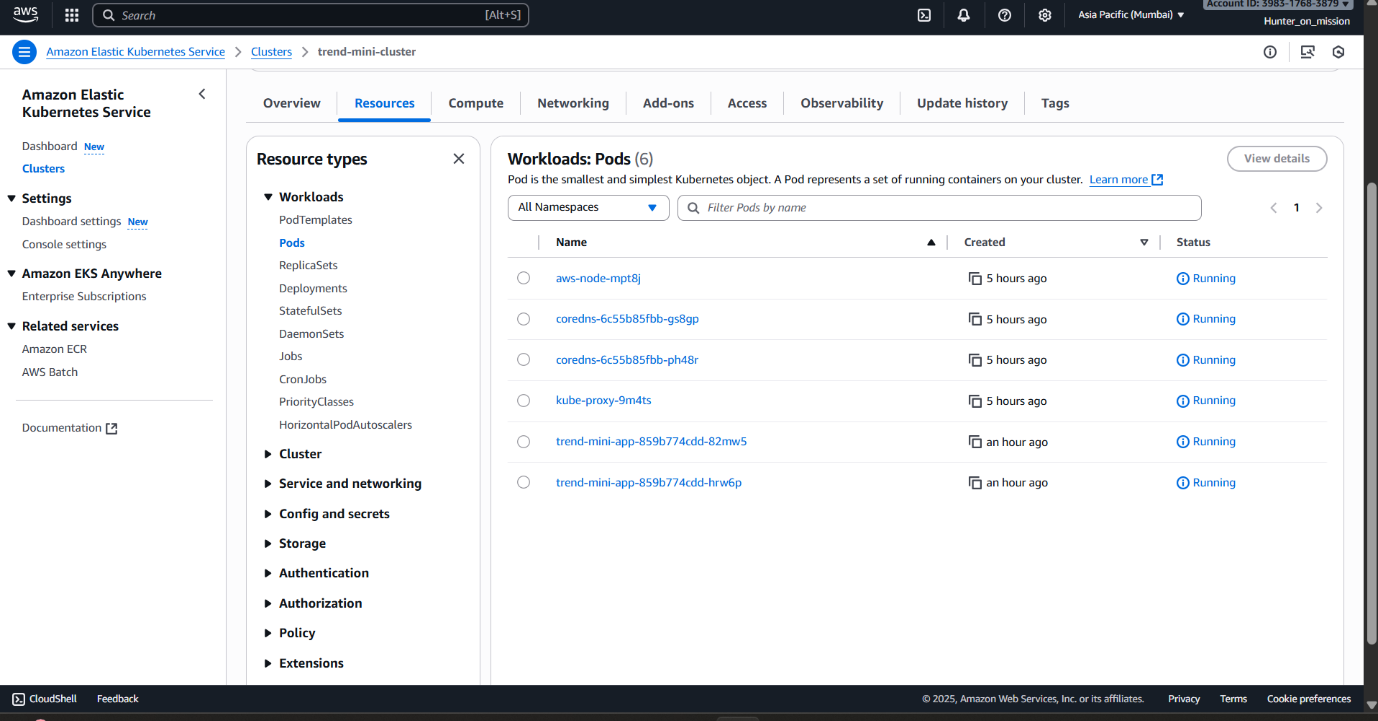
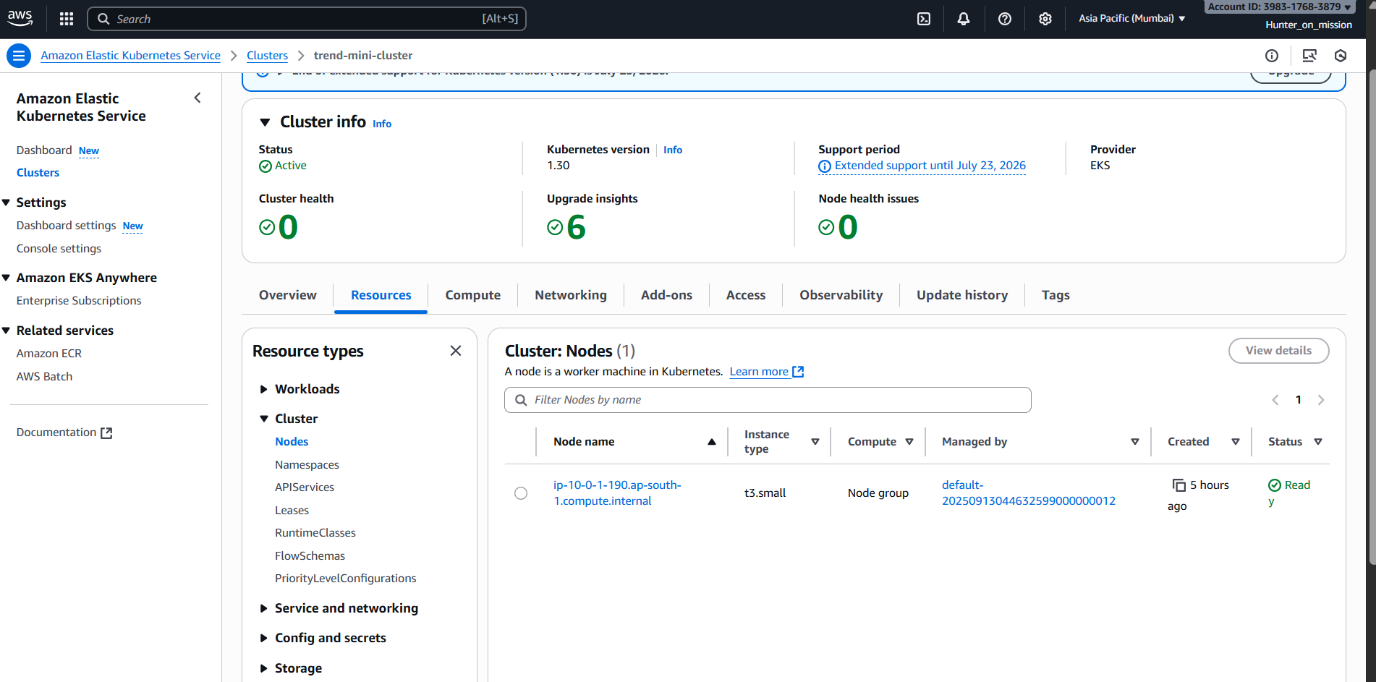
**17.Jenkins pipeline script successfully run**

****

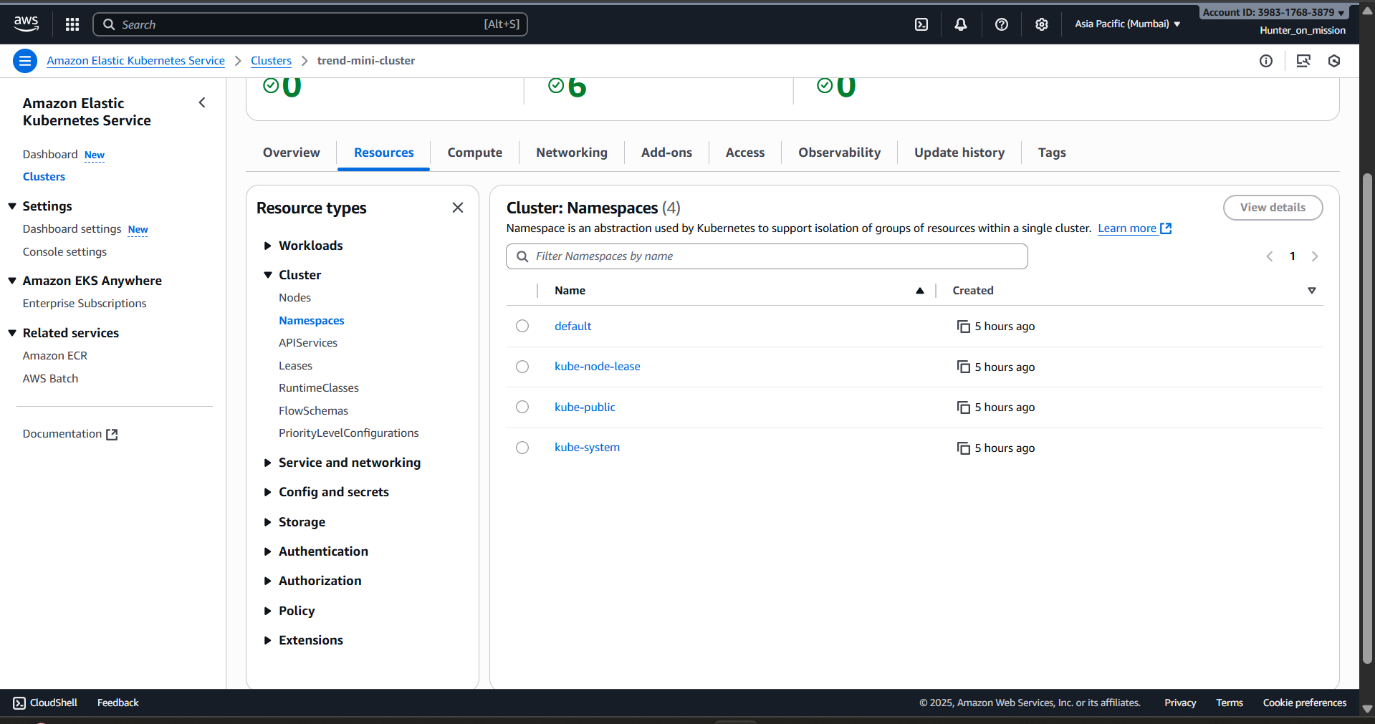
**17.1**

****

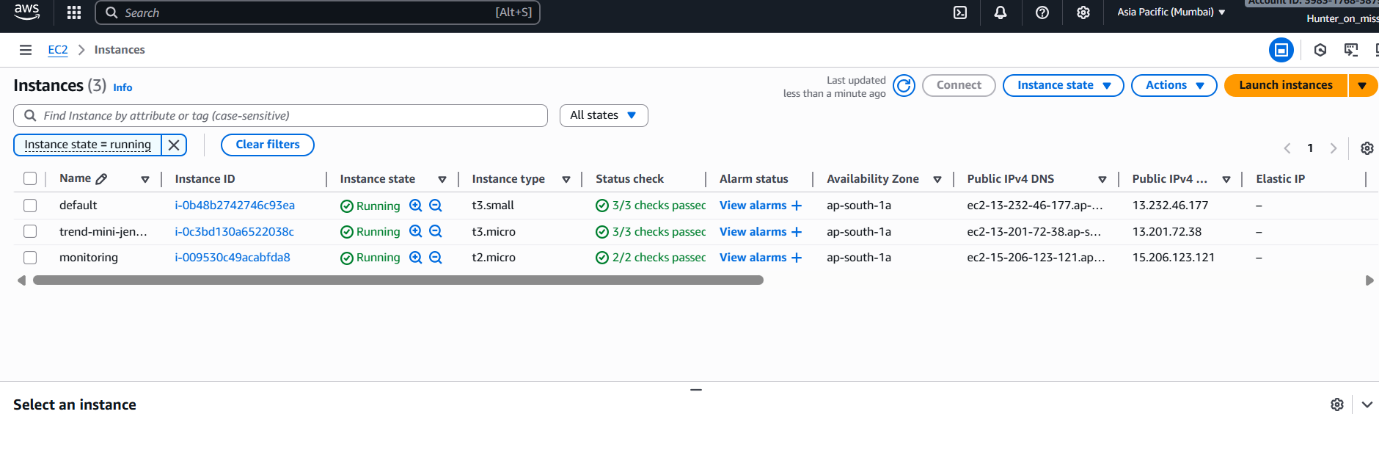
**18. 19.cluster created in aws account**

**20. pods created in aws account**

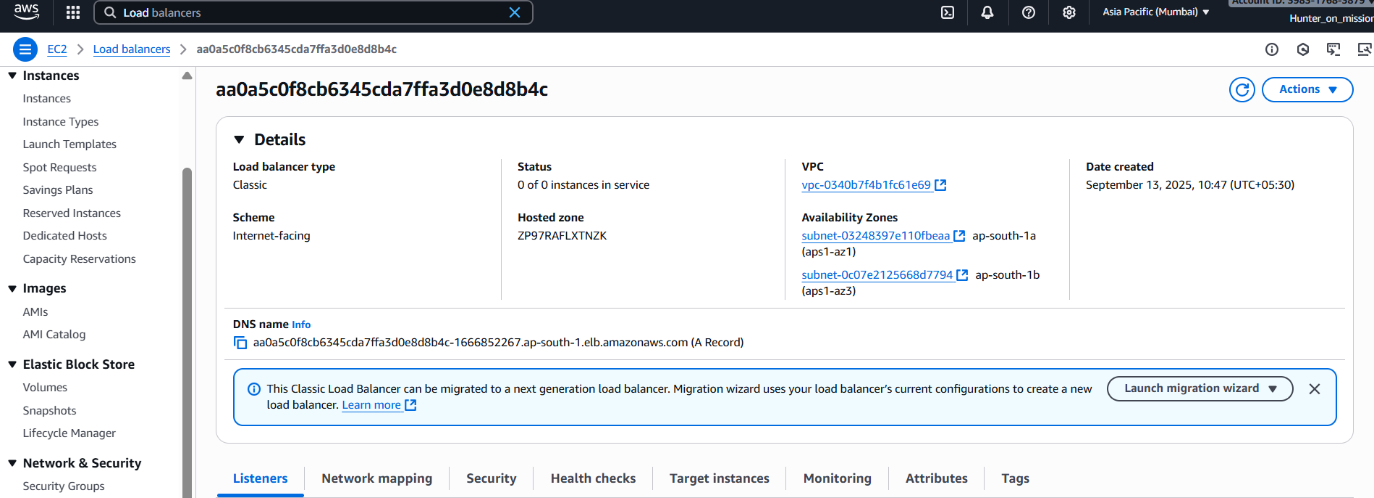
**20. node created in aws account**

****

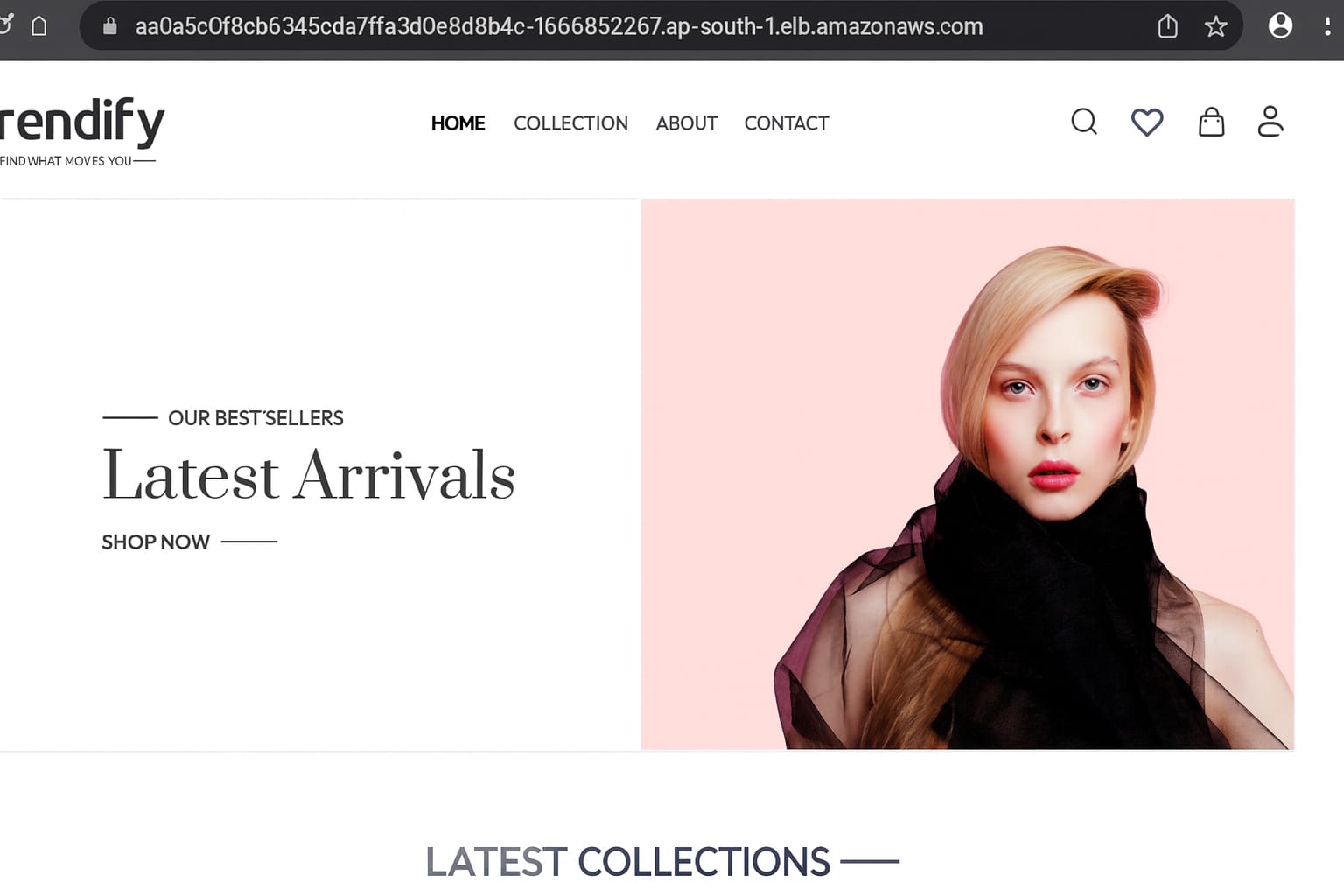
**21. namespace created in aws account**

****

**22. EC2 machines where Jenkins and monitoring is running**

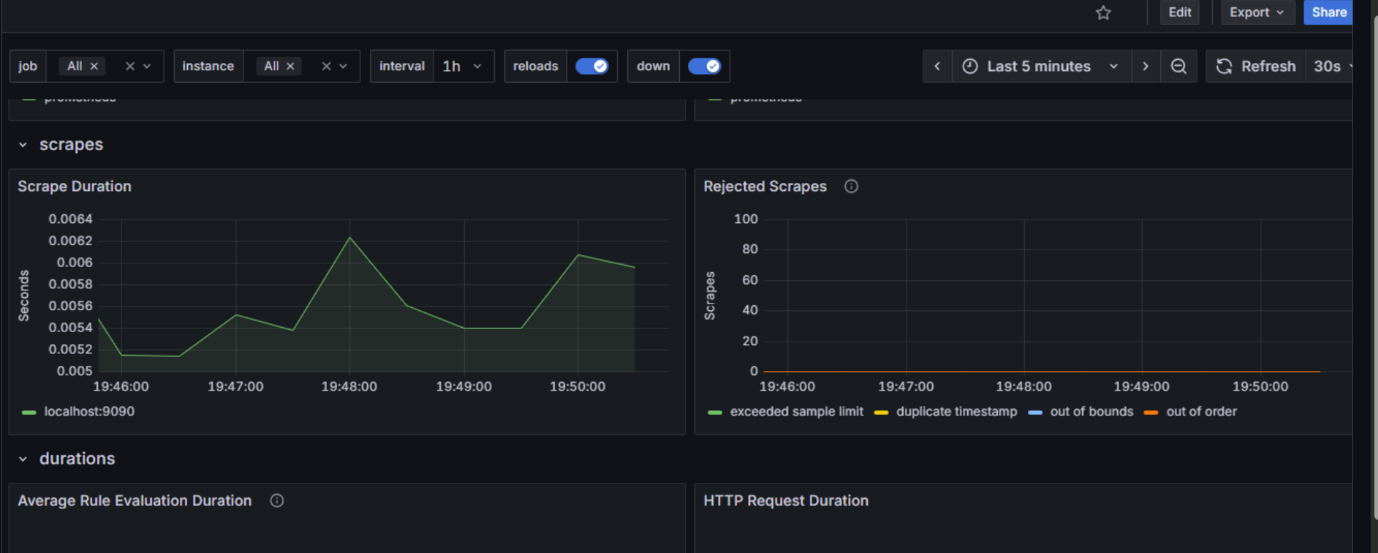
****

**23. Load balancer snapshot**

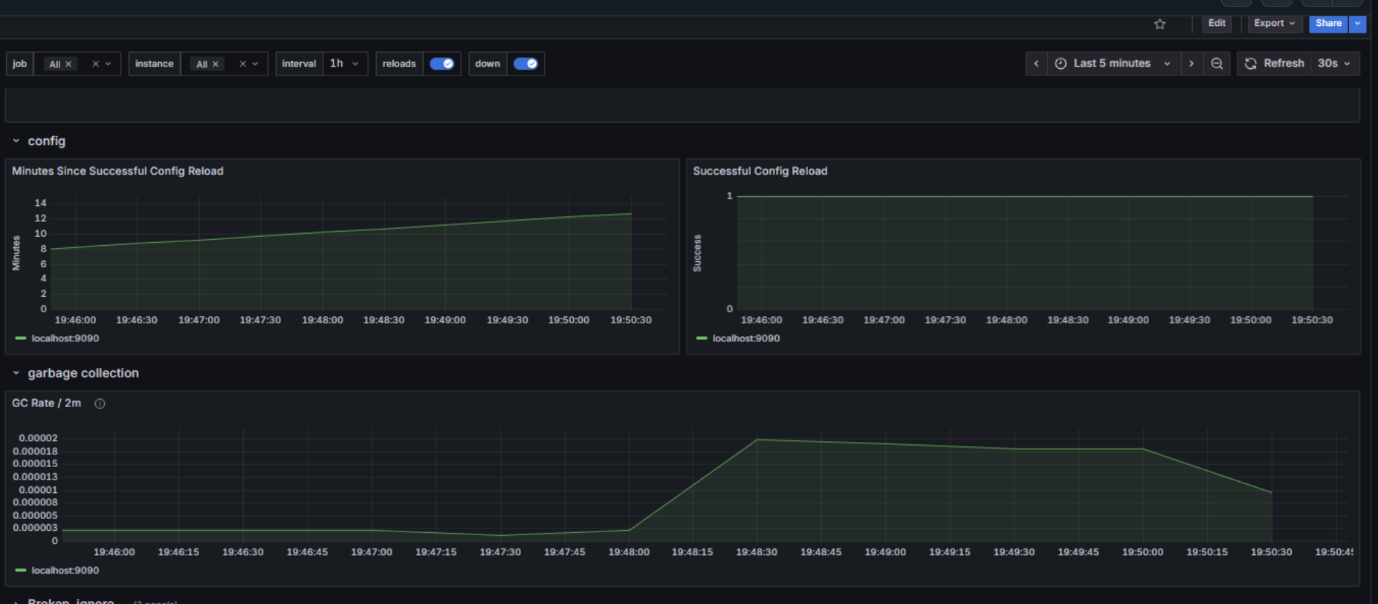
****

**24. project hosted with same DNS link**

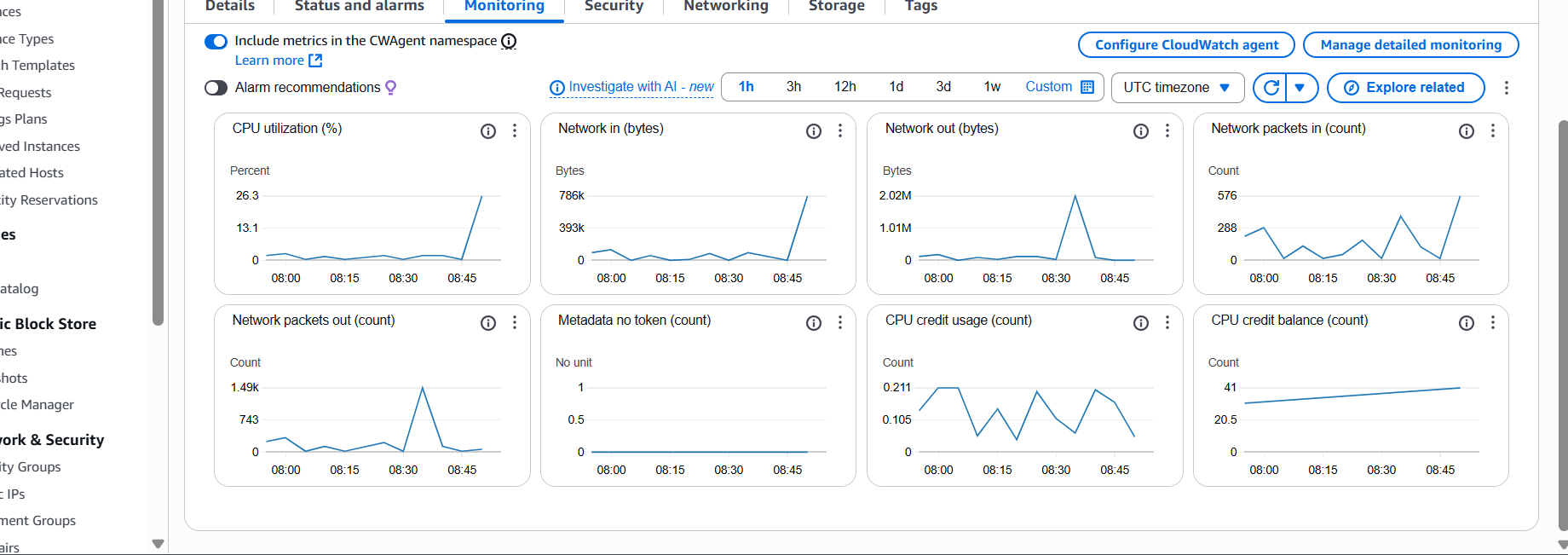
**Step5: Monitoring**

****

**25.Installed Grafana open source for monitoring system health**

****

**25.1**

****

**26. Aws provide monitoring Log**

**Thank you**