Semester: V Name of Student: Tanmay padule

Academic Year: 2025-26 Student ID:23104156

Class / Branch: TE IT B

Subject: Advanced Devops Lab (ADL) Name of Instructor: Prof. Manjusha K.

#### **EXPERIMENT NO. 04**

Aim: To install Kubectl and execute Kubectl commands to manage the Kubernetes cluster and deploy Your First Kubernetes Application.

### **Kubernetes Deployments**

In Order to configure Kubernetes Cluster we require 2 systems we can consider it as one master and one slave.

I have launch two Virtual machines master as kmaster and slave as knode as shown in Fig. Configure static IP as:

Master: 192.168.0.101 (kmaster) Slave: 192.168.0.102 (knode)

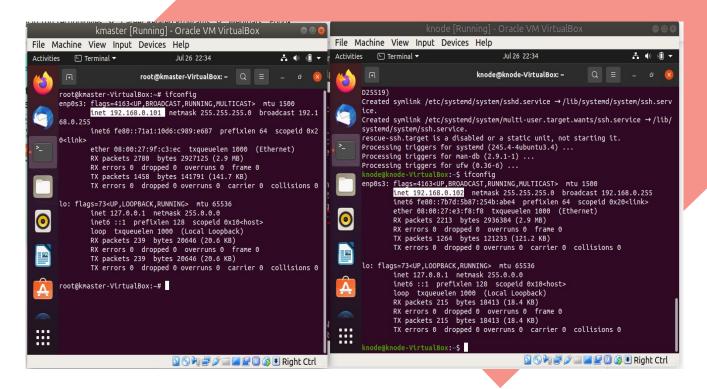




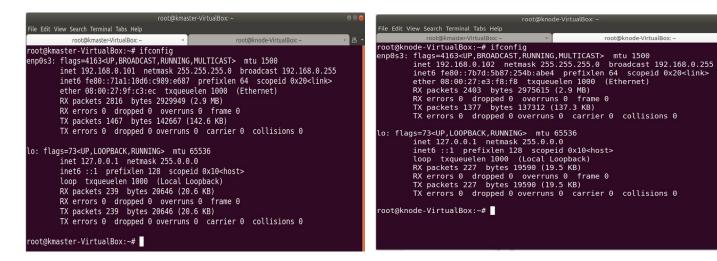
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Master: 192.168.0.101 (kmaster) Slave: 192.168.0.102 (knode)



For easy to connect and perform i have taken access of VMs on my machine for further steps.

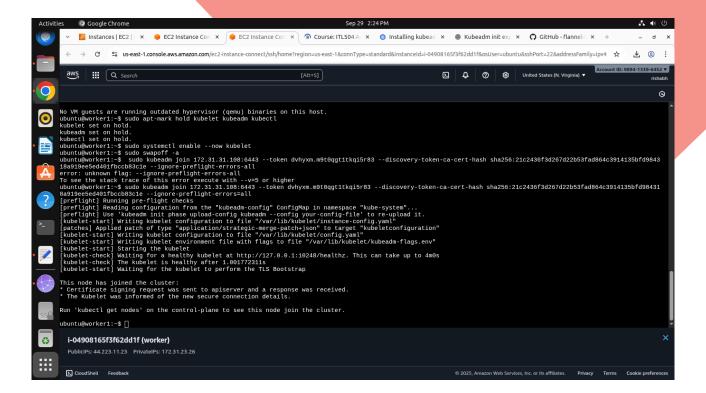
Compiled By: Prof.Manjusha K.

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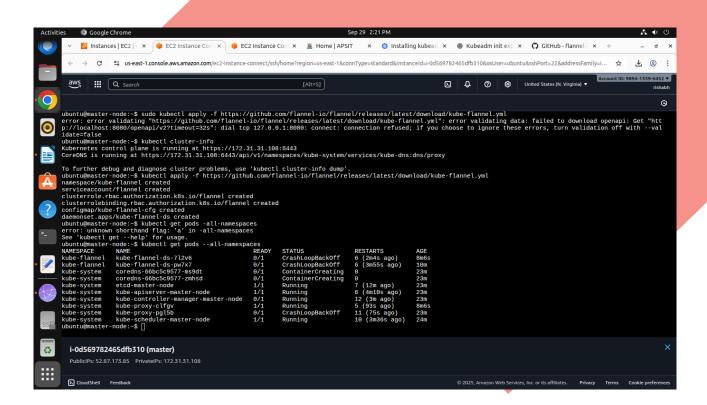


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Conclusion: we sucessfully installed kubernetes and kubectl an deployed application