Applied Laboratory 2 Assignment

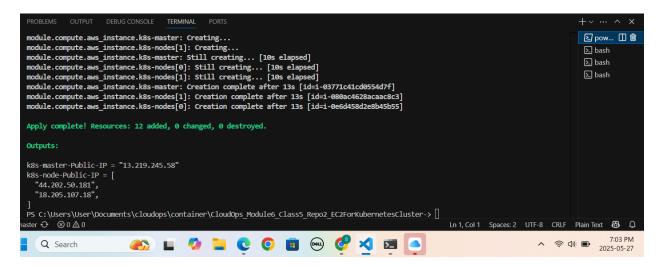


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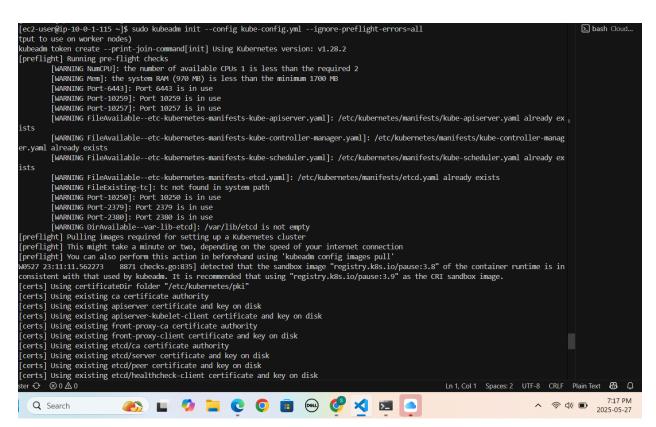
Date:

May 27th,2025

1.k8s-master-Public-URL and k8s-node-Public-URL values from the end of the Terraform apply output



2.Output from the sudo kubeadm init --config kube-config.yml --ignore-preflight-errors=all command



```
[bootstrap-token] Configured RBAC rules to allow the csrapprover controller automatically approve CSKs from a Node Bootstrap Token
[bootstrap-token] Configured RBAC rules to allow certificate rotation for all node client certificates in the cluster
[bootstrap-token] Creating the "cluster-info" ConfigMap in the "kube-public" namespace
[kubelet-finalize] Updating "/etc/kubernetes/kubelet.conf" to point to a rotatable kubelet client certificate and key
[addons] Applied essential addon: CoreDNS
[addons] Applied essential addon: kube-proxy

Your Kubernetes control-plane has initialized successfully!
```

3. Output from the kubectl get nodes command on the Master Node

```
[ec2-user@ip-10-0-1-115 ~]$ kubectl get nodes
  NAME
                                STATUS
                                         ROLES
                                                         AGE
                                                                 VERSION
  ip-10-0-1-115.ec2.internal
                               Ready
                                         control-plane
                                                                 v1.28.2
                                                         11m
  ip-10-0-2-182.ec2.internal
                               Ready
                                         <none>
                                                         5m38s
                                                                 v1.28.2
  ip-10-0-2-29.ec2.internal
                               Ready
                                         <none>
                                                         5m48s
                                                                 v1.28.2
  [ec2-user@ip-10-0-1-115 ~]$
master 🔾 🛇 0 🛆 0
```

4. Output from the kubectl get services command on the Master Node

```
[ec2-user@ip-10-0-1-115 ~]$ kubectl get services
NAME
                               CLUSTER-IP
                   TYPE
                                               EXTERNAL-IP
                                                             PORT(S)
                                                                           AGE
                   ClusterIP
kubernetes
                               10.96.0.1
                                               <none>
                                                             443/TCP
                                                                           11m
react-app-service NodePort
                               10.110.33.165
                                                             80:1233/TCP
                                               <none>
                                                                           2m24s
[ec2-user@ip-10-0-1-115 ~]$
ster 🗪 🔞 n \land n
```

5. Web browser showing address bar with port 1233 loaded for both Master and Worker public IPs

