

⚡ LTIMindtree

↳ 12GB gp2

Controller-Node

ubuntu

t2.medium

K8S-add-key

Same sg

12gb

(create
two
nodes
on node 1 & 2

on every machine we will have crio.

connect as three instance

Controller
& Node1
& Node2

passwd root
red hat
red hat
hostname & controller.example.com
ip a

↳ cat /etc/hosts

↳ ip a s
(copy into)

↳ vim /etc/hosts

In all instance Add (172.31.34.132 controller.example.com
172.31.34.133 Node1.example.com
172.31.34.134 Node2.example.com)

controller → C

Node1 → N1

Node2 → N2 ⚡ LTIMindtree

(New-K8S-ins-code) → Sanjayagunji.gil
↳ cat /etc/hosts

Controller } ↳ cat /etc/os-release
↳ sudo swapoff -a
bo

Will sudo systemctl start kubelet
all steps are same for all machines

But. [Kubeadm init] → only for
controller machine

⚡ [copy the token generated after init]

C } ↳ Kubectl
↳ ~~Kubect~~ get nodes
↳ Kubectl get pod -A
↳ Kubectl get node -o wide

N1 } (copy token)

12-9-2024

LTIMindtree

Kops Not work in Azure.

1) create one EC2

All traffic

t2.micro

ubuntu ami

20.04

→ apt update -y

Kubectl describe

To create ReplicaSet:-

→ kubectl get rs

→ mkdir /opt/data → cd /opt/data

→ vim my-replicaset.yml

(copy yml format from
Kubernetes Documentation
of ReplicaSet)

Kind: ReplicaSet name: web-host

tier: web-host

replicas: 4

matchLabels:

tier: web-host

template:

tier: web-host

spec

containers:

name: apache-app

image: nginx

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→ kubectl apply -f my-replicaset.yml
→ kubectl get pod

→ kubectl describe pod (new pod name)

→ kubectl get rs

→ kubectl get pod -o wide

To increase:

→ vim my-replicaset.yml

→ replicas: 10 save

→ kubectl apply -f my-repl.

→ get pod

To decrease

replicas: 5

Adding
Horizontal Autoscaling:-

→ kubectl autoscale rs frontend --min=3 --max=8

→ kubectl scale rs web-host --replicas=3

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Deployment

mkdir /deployments
cd deployments

vim vivak-deployment.yml

kubectl get rs

kubectl apply -f vivak-deployment.yml
kubectl get deployment

kubectl describe deployment (deployment name)

kubectl delete pod frontend

Rolling update

Service

(DevOps - project with -
Jenkins - Ansible & AWS. etc)

12601 mang palawad

4pm plat 2 LTIMindtree

not 7

track maint.

6pm 5

so column

Platform

11:30

14231

Shr

Hybrid corenew

mira

Dad Air

cwalamper 2 formula swf

Sharp Blue bie

3 shirt park

mint

hand

3 2nd drawer

Shewing

international

1197