Module-3: Cloud Testing Hands-on

Hands-on Assignments : (any 3 mandatory)

1. Create a VM and install docker and test the images inside the container with the commands
2. Install ansible and connect the nodes to master and execute the adhoc commands on ansible masternode vm and test the packages installed or not
3. Launch minikube cluster and execute the commands to test the pod, container with the kubectl commands
4. Create the poc on open shift architecture and its components and commands used on cluster

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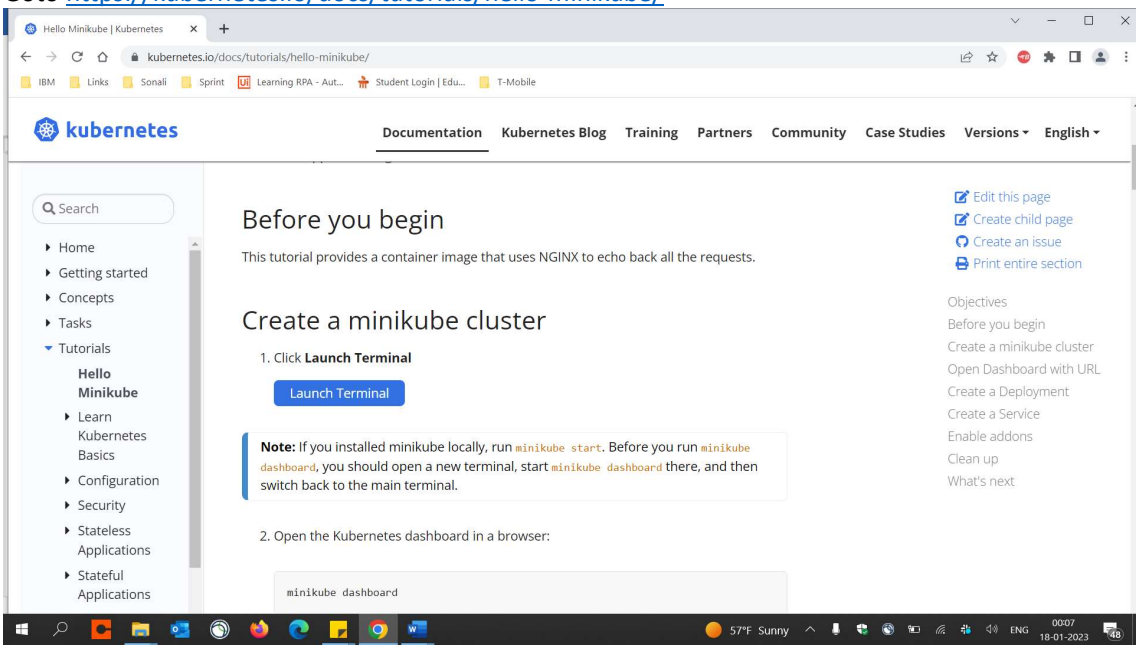
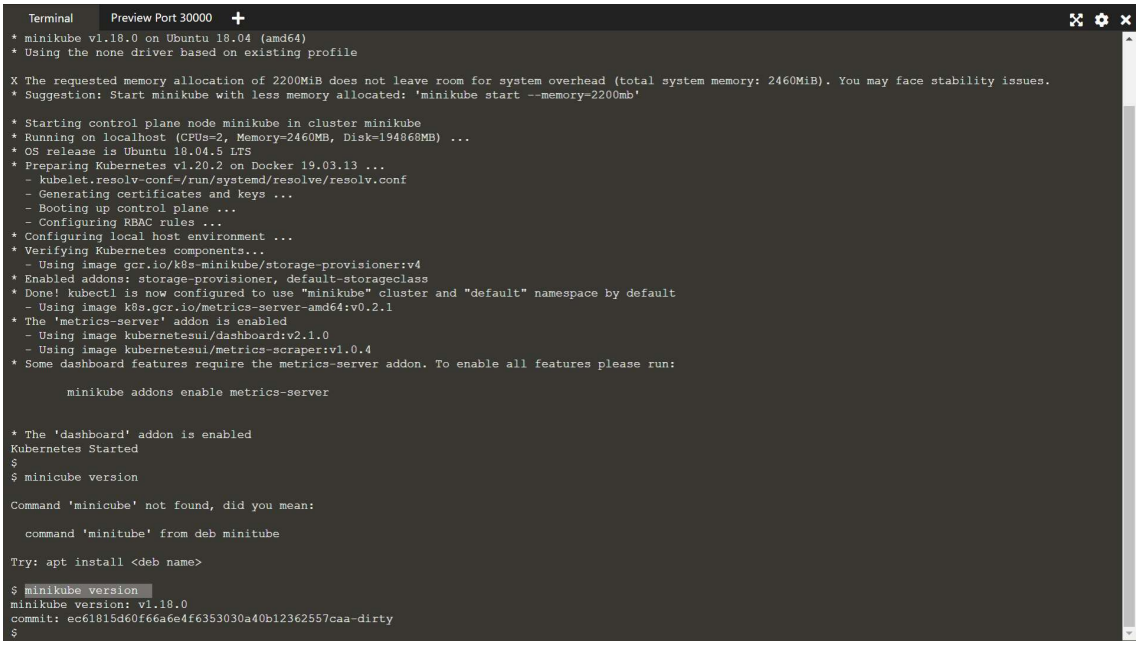
SOLUTION:

Launch minikube cluster and execute the commands to test the pod, container with the kubectl commands

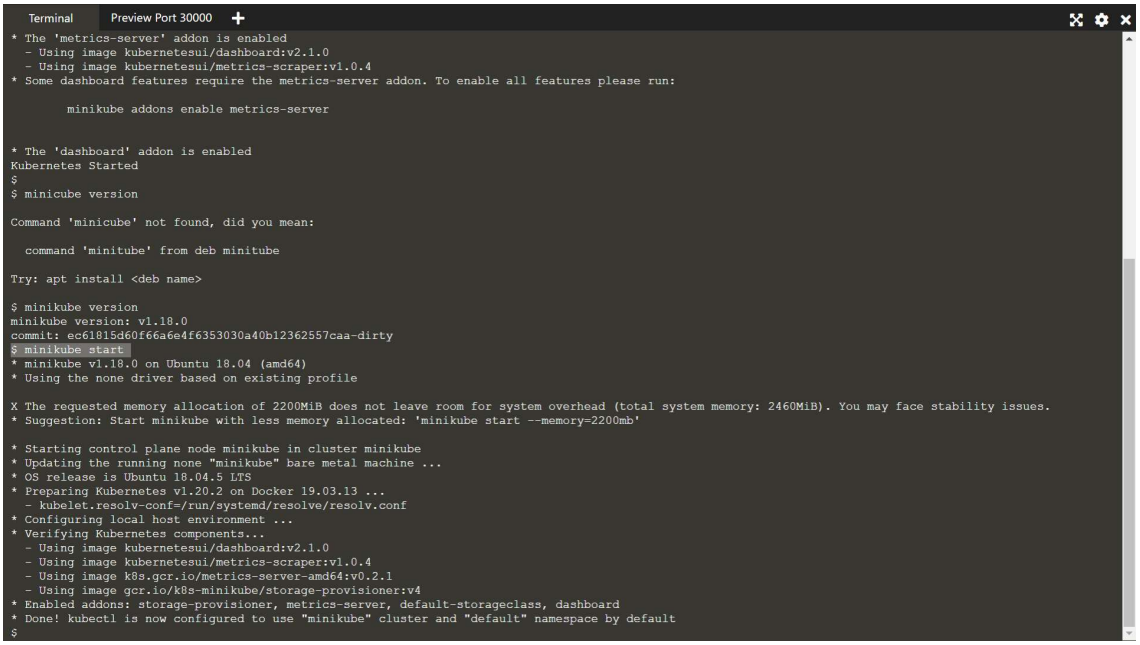
Goto https://kubernetes.io/docs/tutorials/hello-minikube/



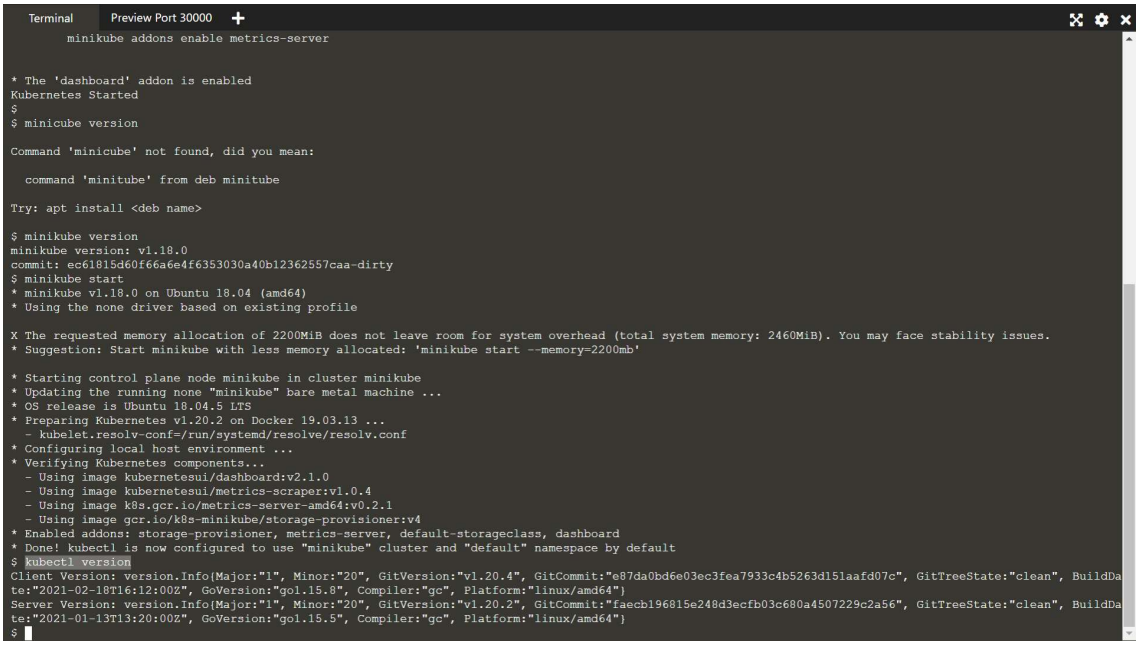
Click Launch Terminal & check minikube version



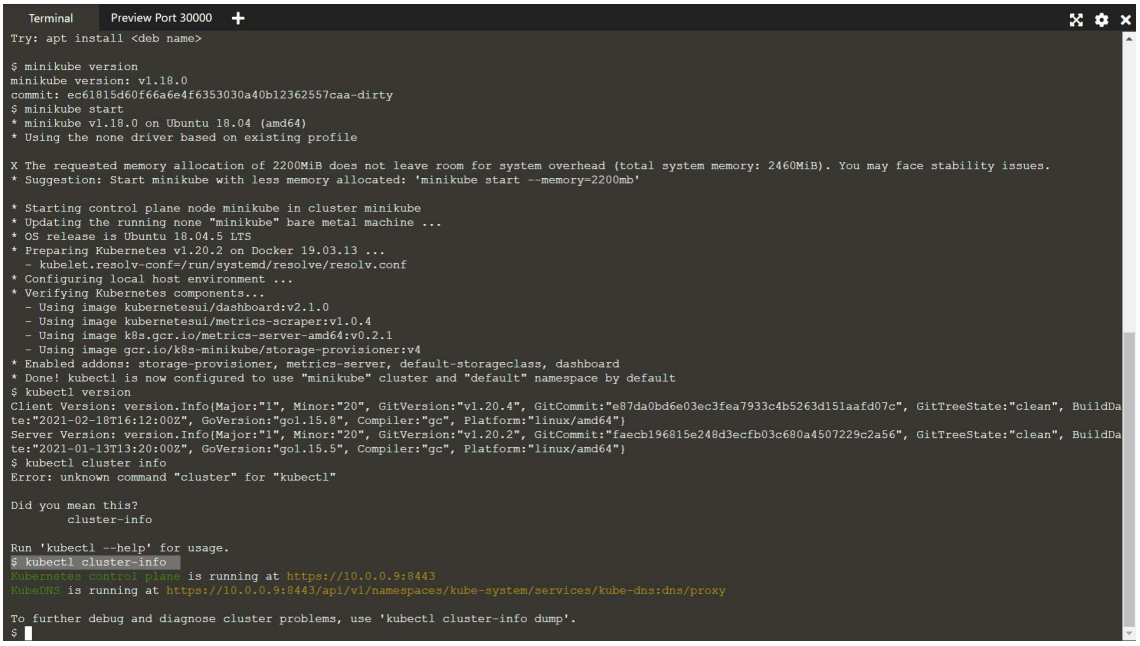
Start a cluster



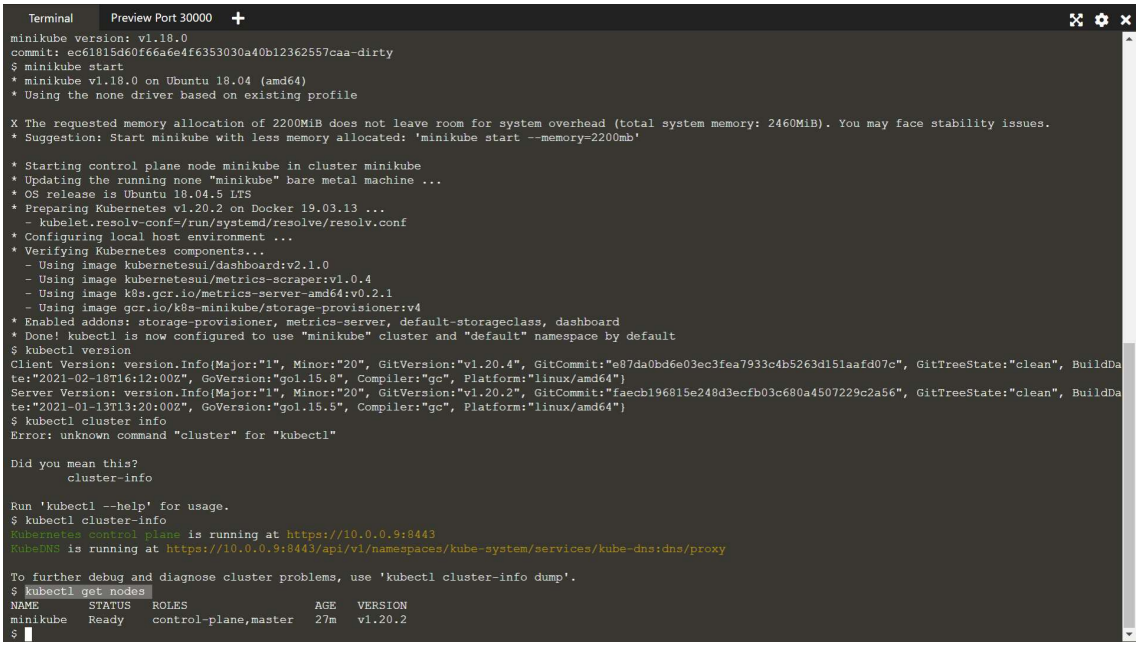
Check kubectl version



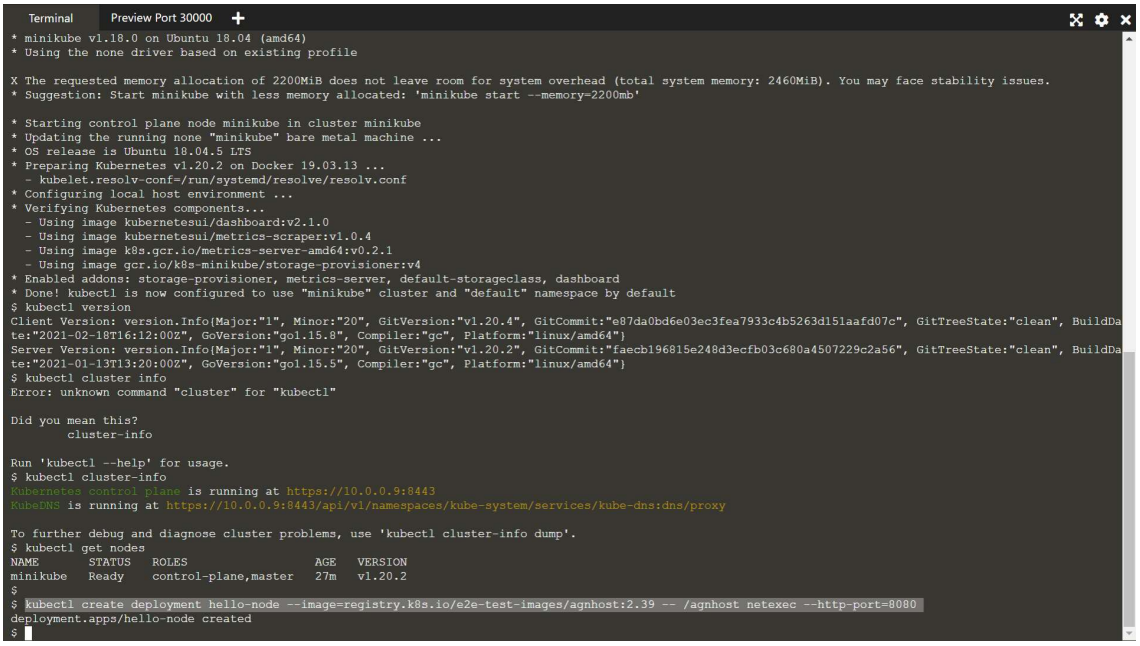
Cluster info



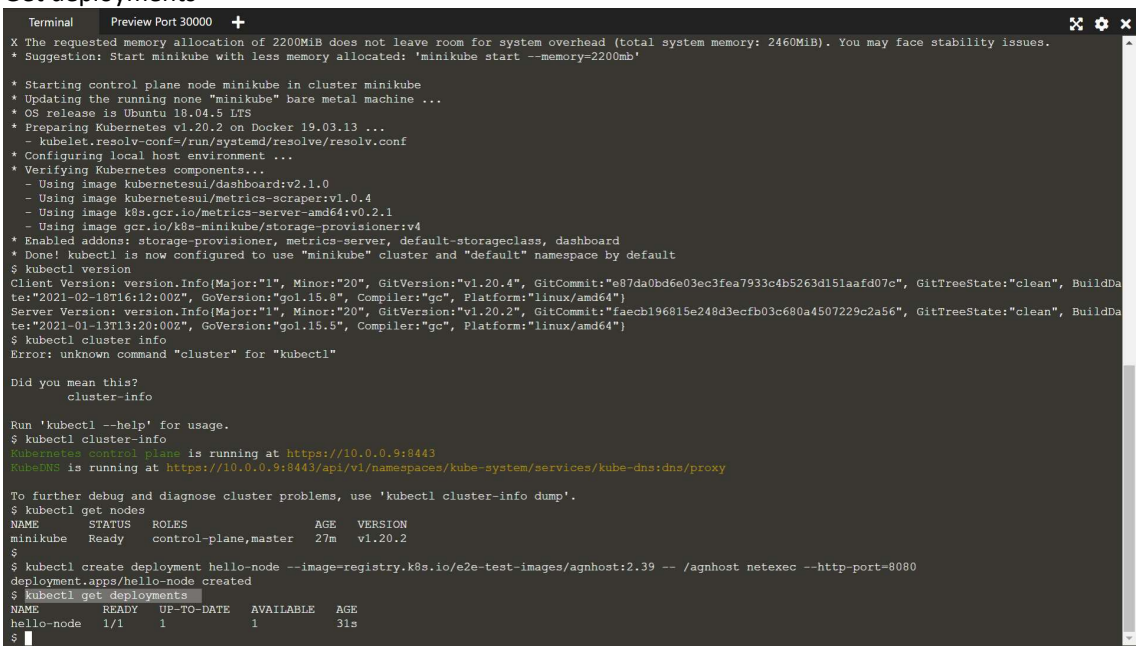
Get nodes



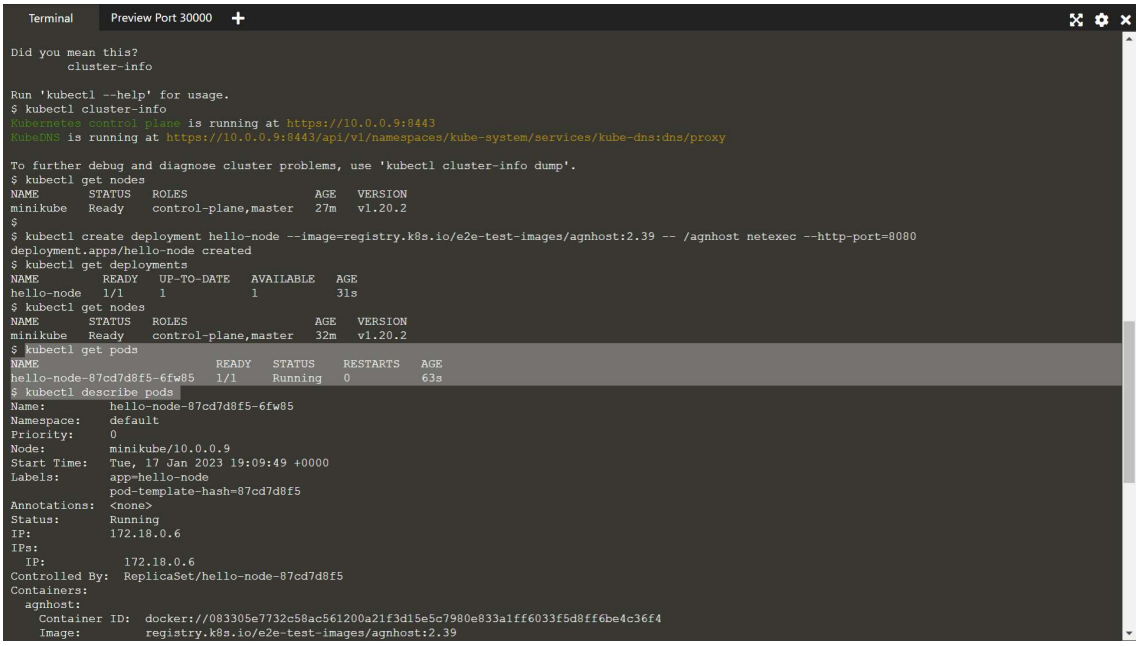
Create deployment



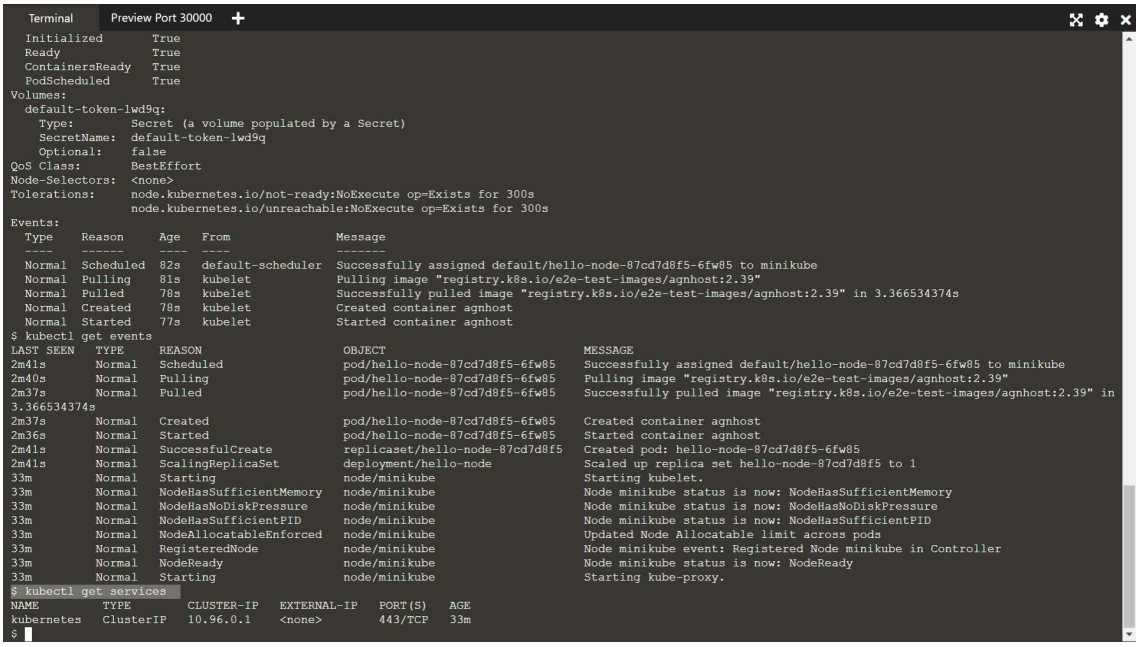
Get deployments

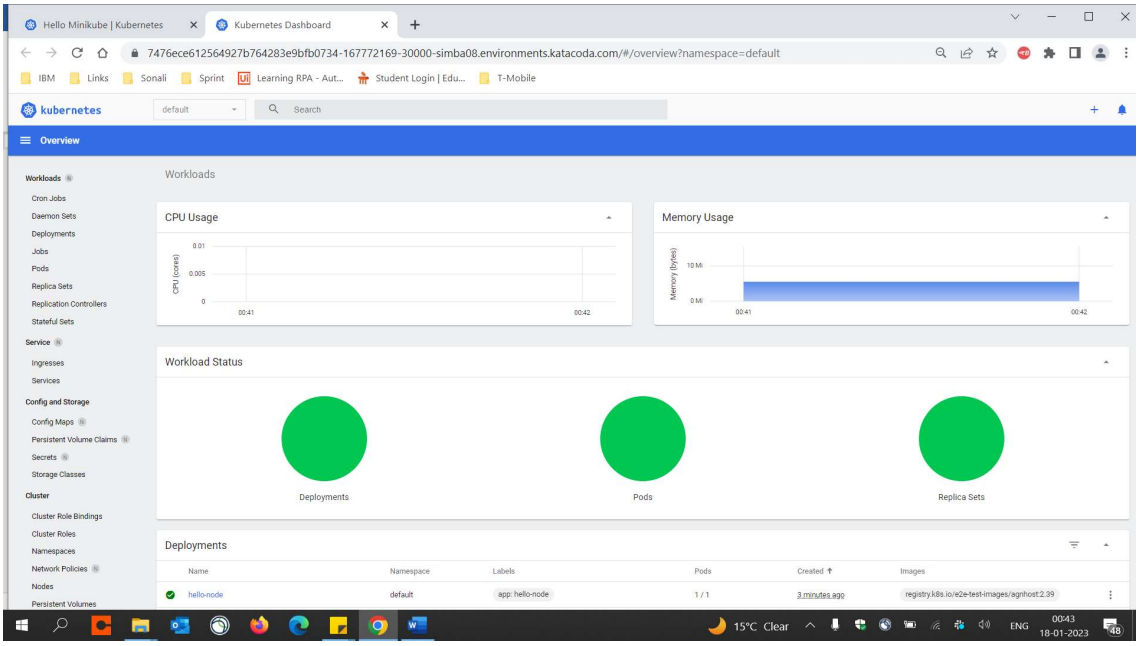


Get & describe pods



Get services




Hello Minikube | Kubernetes
Kubernetes Dashboard
7476ece612564927b764283e9bfb0734-167772169-30000-simba08.environments.katacoda.com/#/overview?namespace=default
IBM
Links
Sonali
Sprint
Learning RPA - Aut...
Student Login | Edu...
T-Mobile
kubernetes
default
Search
Overview
Workloads
Cron Jobs
Daemon Sets
Deployments
Jobs
Pods
Replica Sets
Replication Controllers
Stateful Sets
Service
Ingresses
Services
Config and Storage
Config Maps
Persistent Volume Claims
Secrets
Storage Classes
Cluster
Cluster Role Bindings
Cluster Roles
Namespaces
Network Policies
Nodes
Persistent Volumes
Workloads
CPU Usage
CPU (cores)
0.01
0.005
0
00:41
00:42
Memory Usage
Memory (bytes)
10 Mi
0 Mi
00:41
00:42
Workload Status
Deployments
Pods
Replica Sets
Deployments
Name
Namespace
Labels
Pods
Created
Images
hello-node
default
app: hello-node
1 / 1
3 minutes ago
registry.k8s.io/e2e-test-images/agnhost:2.39
15°C Clear
ENG
00:43
18-01-2023