

Check Kubernetes pod CPU and memory

pod's exec mode:

```
kubectl exec pod_name -- /bin/bash
```

for cpu usage:

```
cd /sys/fs/cgroup/cpu
```

```
cat cpuacct.usage
```

for memory usage:

```
cd /sys/fs/cgroup/memory
```

```
cat memory.usage_in_bytes
```

Example :

```
kubectl top pod <pod-name>
```

```
kuser@kuser-virtual-machine:~$ kubectl top pod stgticket-ticket-deployment-6449f957f-wnff4
NAME                                CPU(cores)   MEMORY(bytes)
stgticket-ticket-deployment-6449f957f-wnff4  4m           140Mi
kuser@kuser-virtual-machine:~$
kuser@kuser-virtual-machine:~$
kuser@kuser-virtual-machine:~$
kuser@kuser-virtual-machine:~$
```

```
kubectl describe pod <name> | grep "Restart Count" -A 8
```

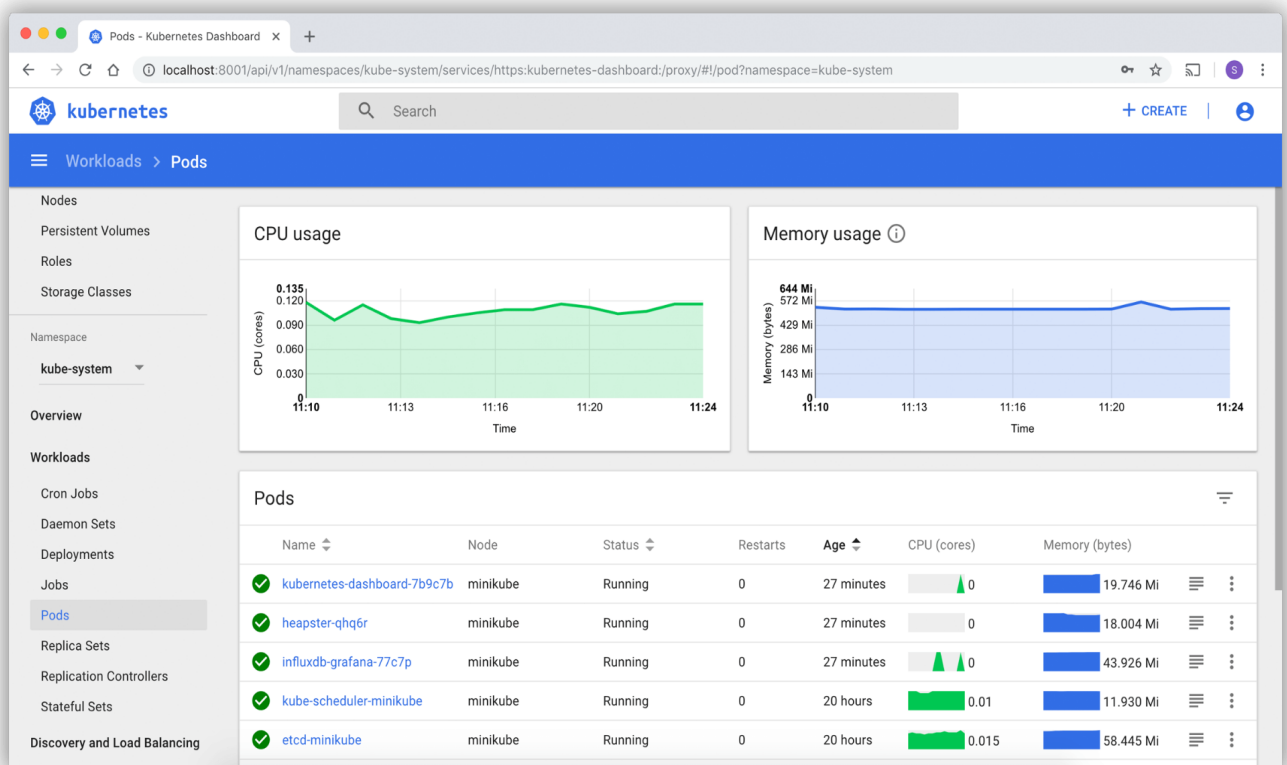
```
kuser@kuser-virtual-machine:~$ kubectl describe pod stgticket-ticket-deployment-6449f957f-wnff4 | grep "Restart Count" -A 8
Restart Count: 0
Limits:
  cpu:    200m
  memory: 512Mi
Requests:
  cpu:    100m
  memory: 128Mi
Liveness:  http-get http://:80/ delay=0s timeout=1s period=10s #success=1 #failure=3
Readiness:  http-get http://:80/ delay=0s timeout=1s period=10s #success=1 #failure=3
kuser@kuser-virtual-machine:~$
```

```
kubectl get deployments <name> -o yaml | grep "resources" -A 8
```

```
kuser@kuser-virtual-machine:~$  
kuser@kuser-virtual-machine:~$ kubectl get deployments stgticket-ticket-deployment -o yaml | grep "resources:" -A 8  
resources:  
  limits:  
    cpu: 200m  
    memory: 512Mi  
  requests:  
    cpu: 100m  
    memory: 128Mi  
  terminationMessagePath: /dev/termination-log  
  terminationMessagePolicy: File  
kuser@kuser-virtual-machine:~$
```

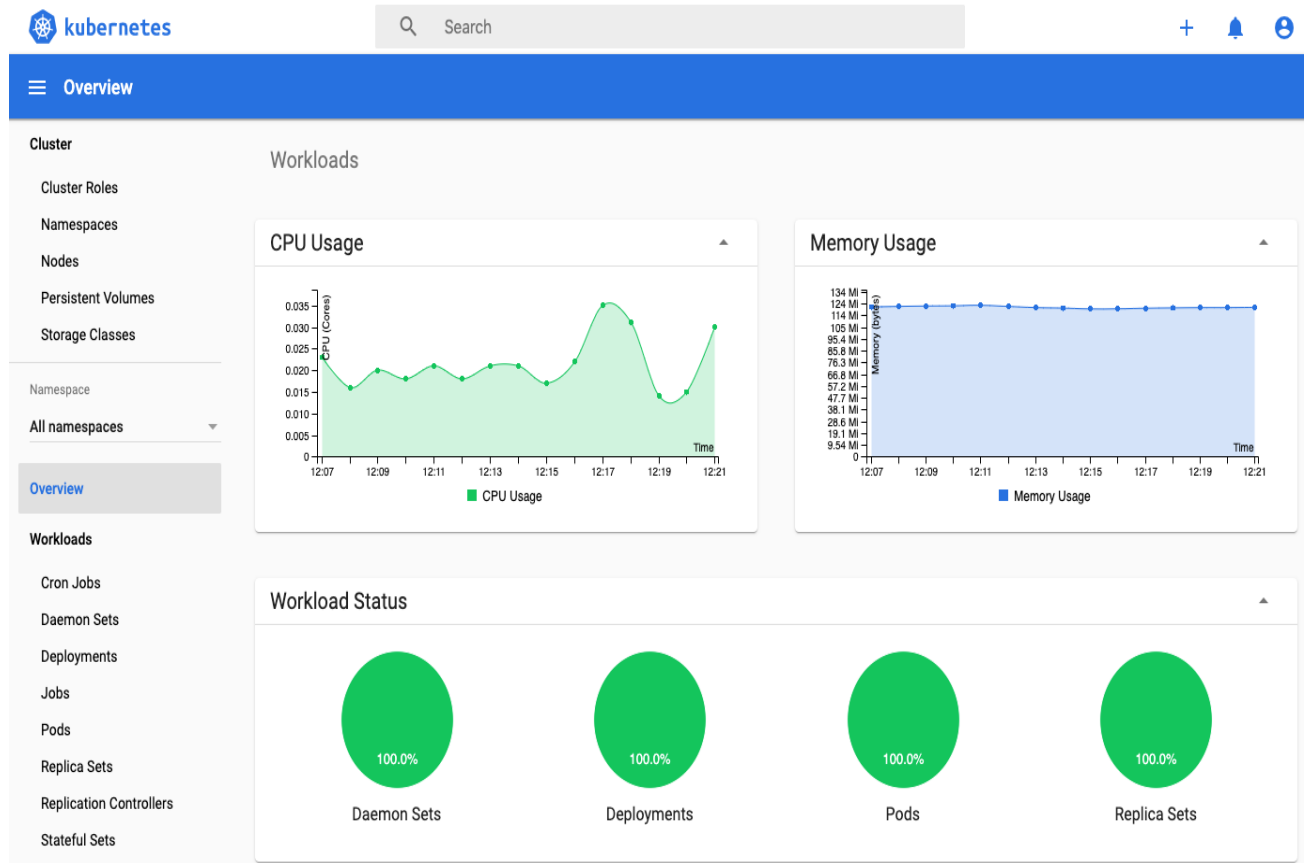
On Dashboard

You can see pods here:



Kubernetes Overview:

We can access Cpu or Memory Usage on Gui:



The following image shows `container_memory_usage_bytes` over time.

