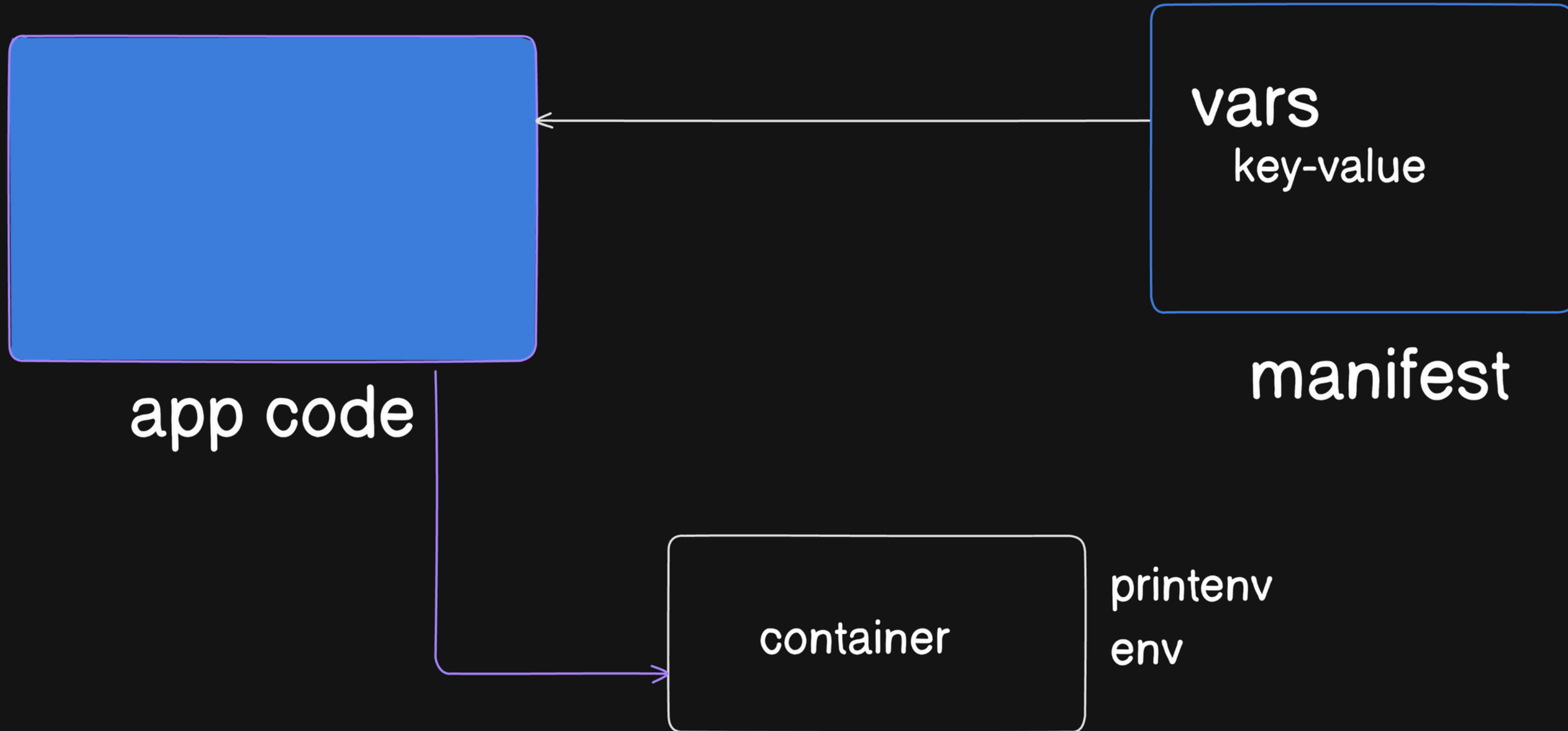


# Environment Variables

env:

- name: APP\_NAME

value: "kubernetes-102"



`kubectl exec -it podname -- printenv`

# Config map



configmap

imperative  
declarative

reference

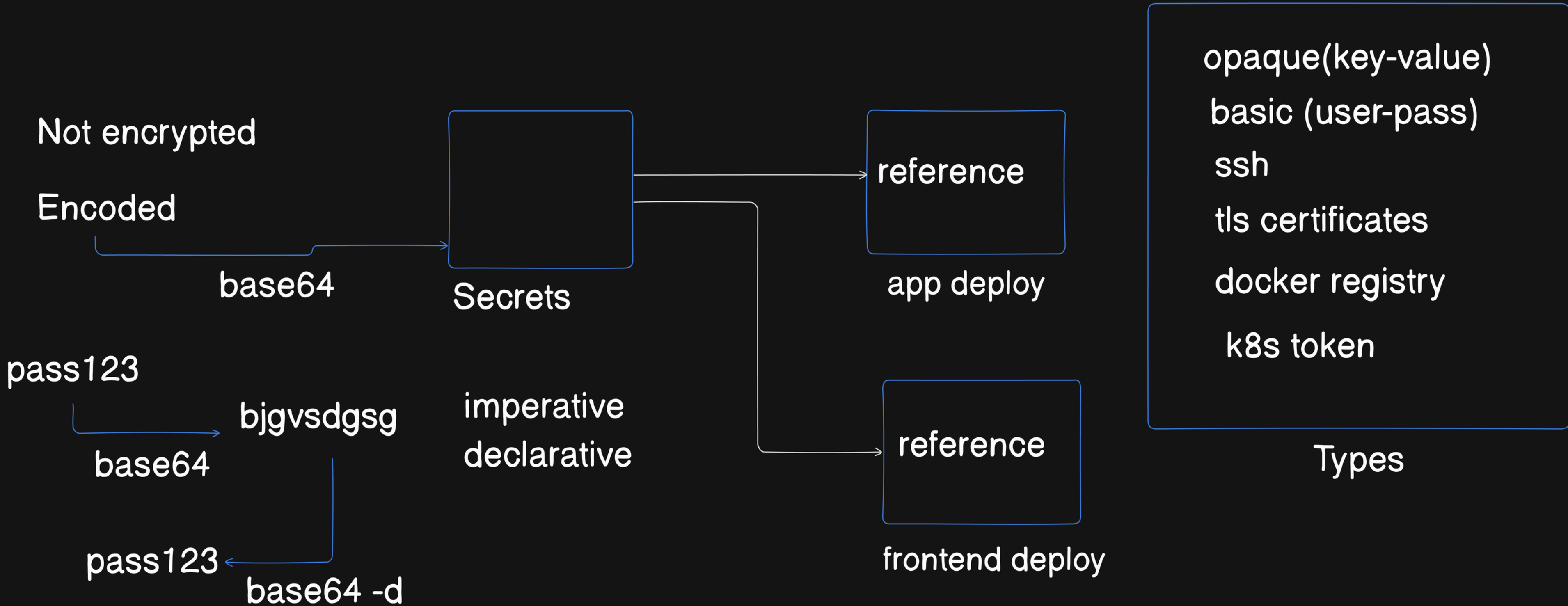
app deploy

reference

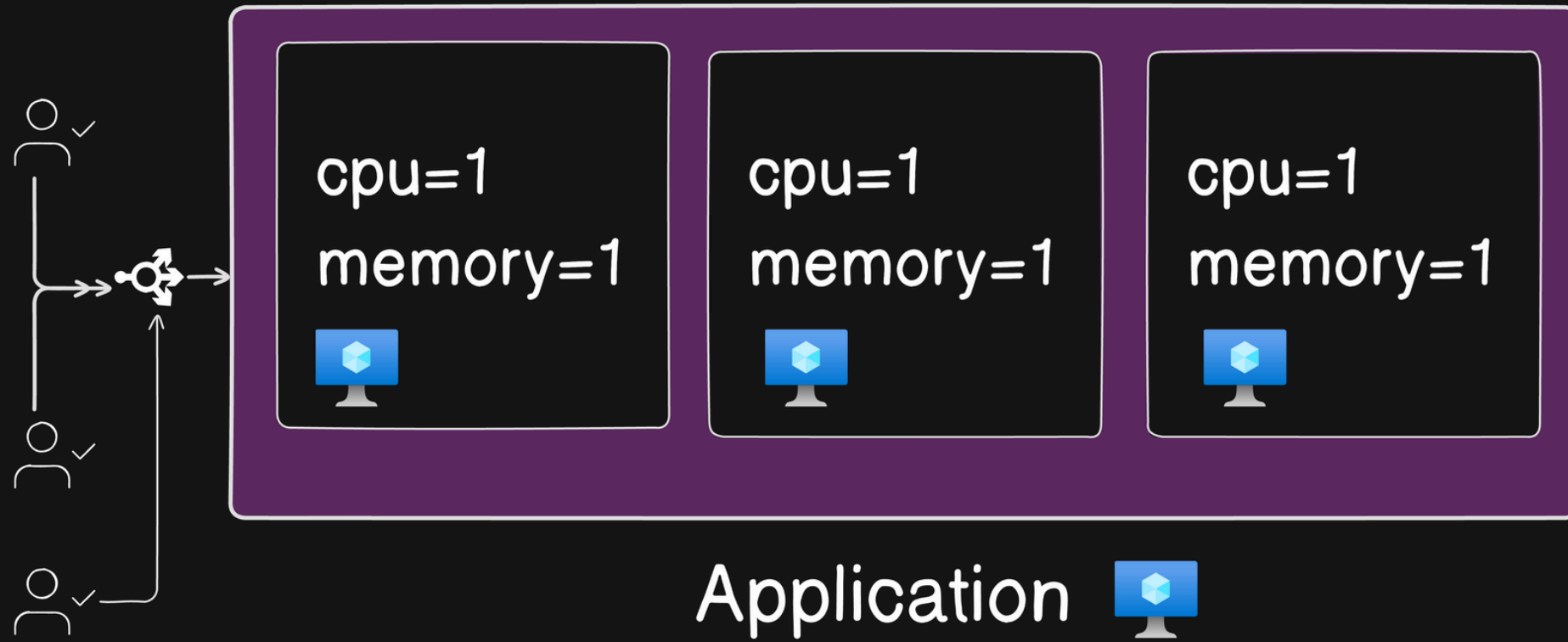
frontend deploy

```
kubectl create cm test-cm --from-literal=first=piyush
```

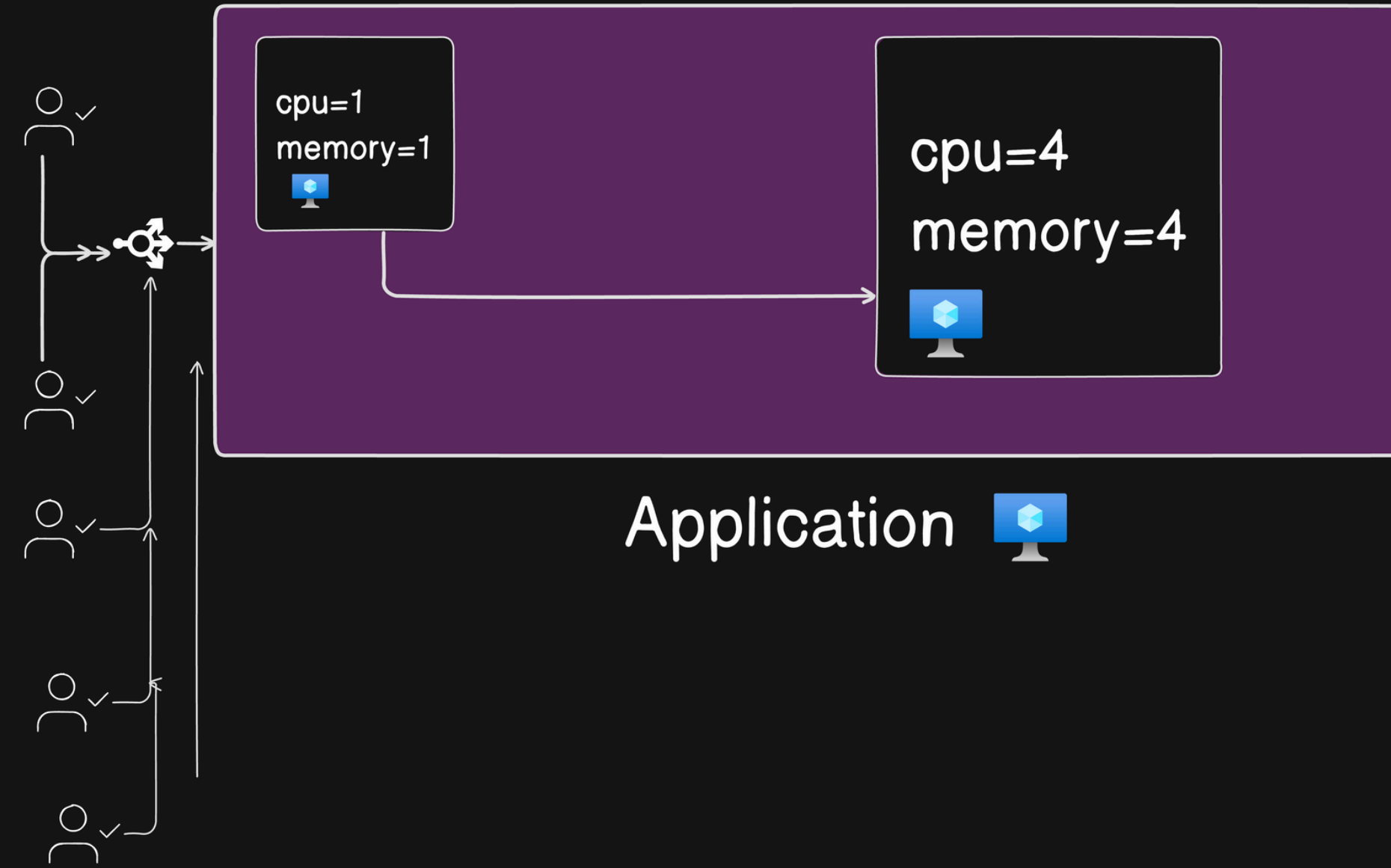
# Secrets



## Horizontal Scaling



## Vertical Scaling



# Scaling types

scale out/in

Horizontal Autoscaling

Vertical Autoscaling

scale up/down

Workload(pods)

HPA

Infra(nodes)

Cluster Autoscaler

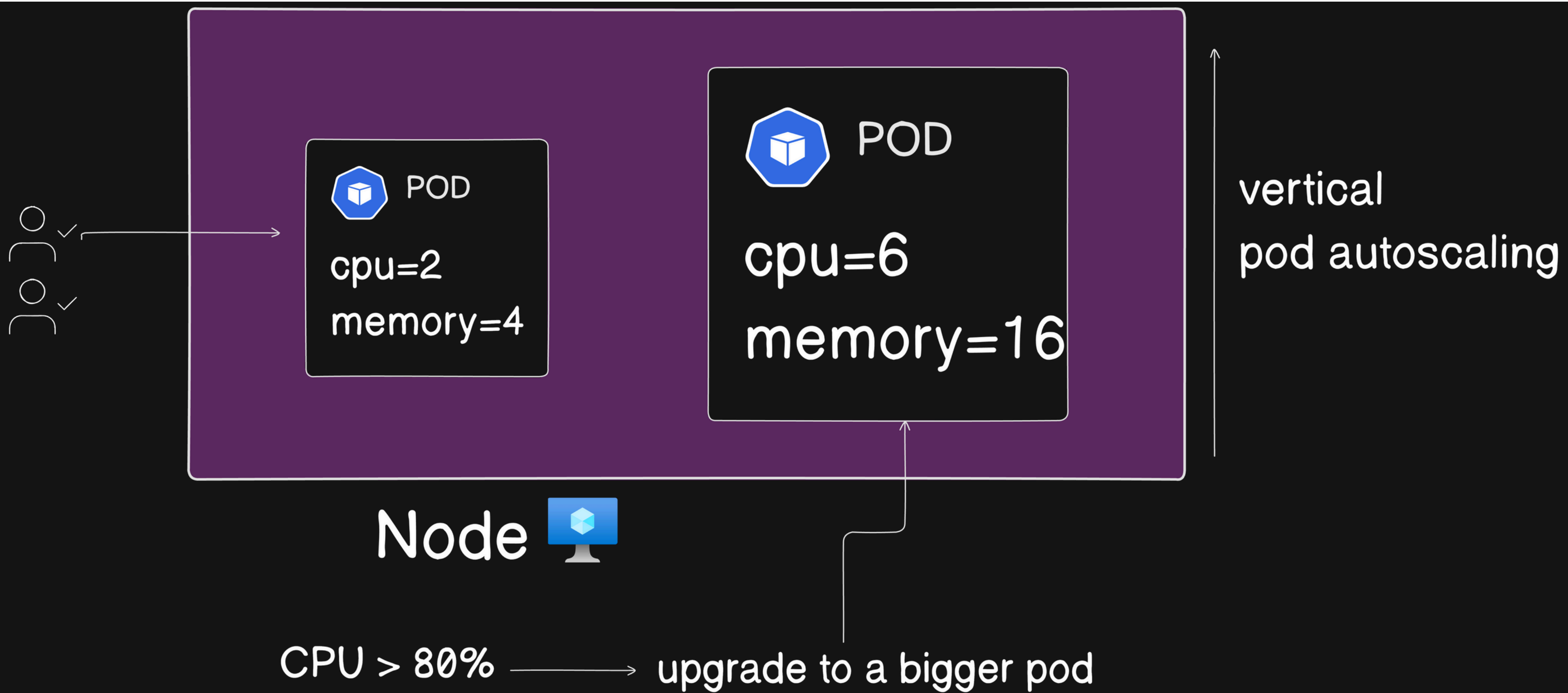
Workload(pods)

VPA

Infra(nodes)

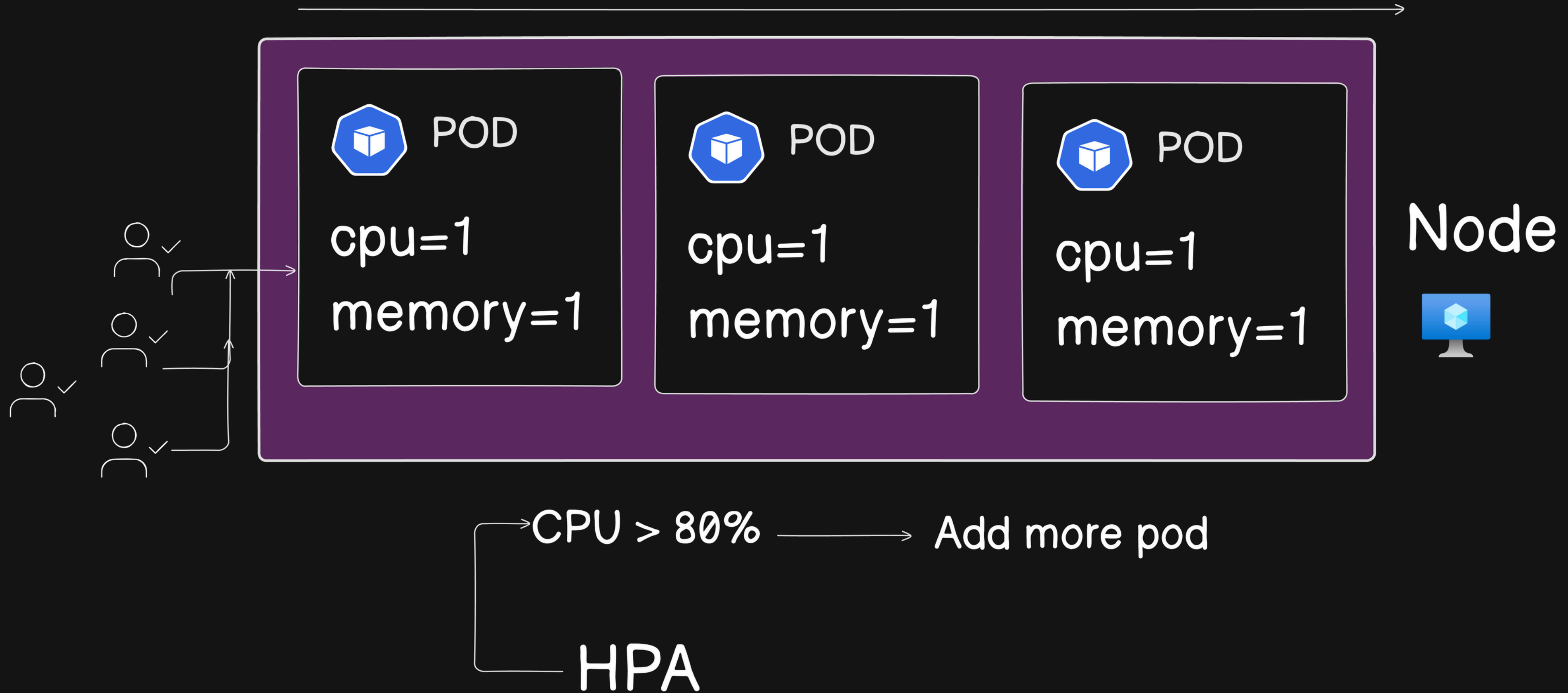
Node AutoProvisioning

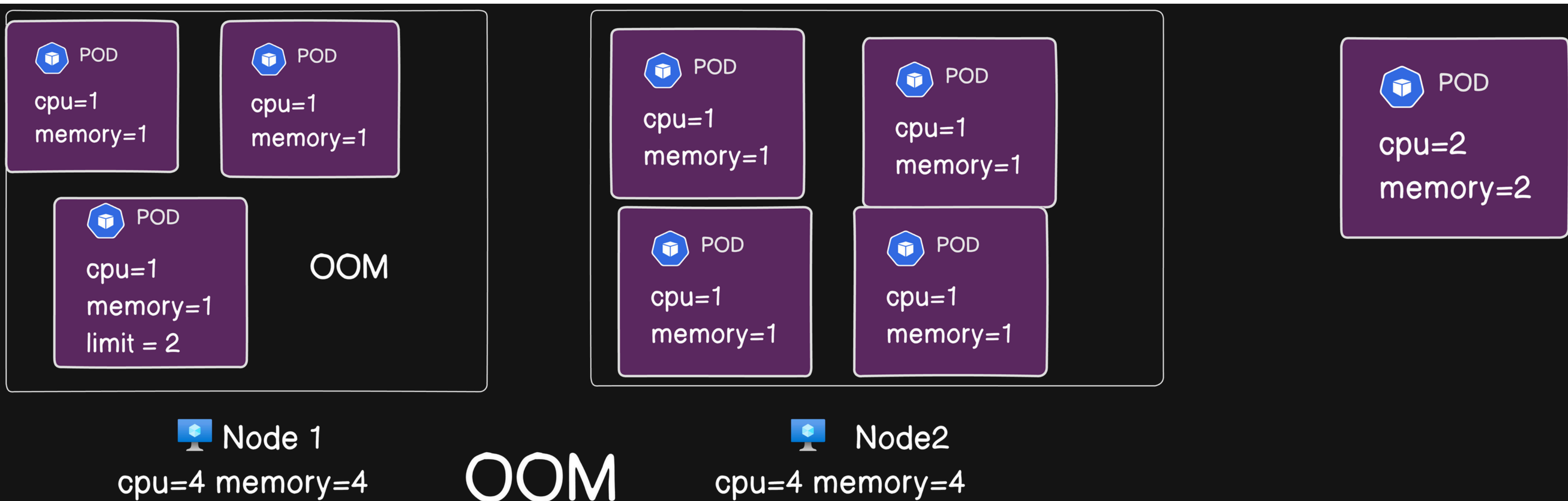
Event based autoscaling: KEDA  
Cron/Schedule based autoscaling





# horizontal pod autoscaling(HPA)





## Requests and Limits



