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*Lab - What is Namespaces and Resource Quota in Kubernetes

Wednesday, December 8, 2021 09:10 PM ===== apiVersion: v1 kind: Namespace metadata: name: dev labels: name: dev ========to create a pod============== vi pod.yml kind: Pod apiVersion: v1 metadata: name: testpod spec: containers: name: c00 image: ubuntu command: ["/bin/bash", "-c", "while true; do echo Technical Guftgu; sleep 5; done"] restartPolicy: Never ______ _____ \$ kubectl config set-context \$(kubectl config current-context) --namespace=dev \$ kubectl config view | grep namespace: ______ _____ apiVersion: v1 kind: Pod metadata: name: resources spec: containers: - name: resource image: centos command: ["/bin/bash", "-c", "while true; do echo Technical-Guftgu; sleep 5; done"] resources: requests: memory: "64Mi" cpu: "100m" limits: memory: "128Mi" cpu: "200m" =======RESOURCEQUOTA===================

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```
apiVersion: v1
kind: ResourceQuota
metadata:
 name: myquota
spec:
hard:
 limits.cpu: "400m"
 limits.memory: "400Mi"
  requests.cpu: "200m"
 requests.memory: "200Mi"
_____
kind: Deployment
apiVersion: apps/v1
metadata:
name: deployments
spec:
replicas: 3
selector:
 matchLabels:
  objtype: deployment
template:
 metadata:
  name: testpod8
  labels:
   objtype: deployment
 spec:
  containers:

    name: c00

    image: ubuntu
    command: ["/bin/bash", "-c", "while true; do echo Technical-Guftgu; sleep 5; done"]
    resources:
     requests:
      cpu: "200m"
______
apiVersion: v1
kind: LimitRange
metadata:
name: cpu-limit-range
spec:
limits:
- default:
  cpu: 1
 defaultRequest:
  cpu: 0.5
 type: Container
apiVersion: v1
kind: Pod
metadata:
name: default-cpu-demo-2
```

spec:

containers:

- name: default-cpu-demo-2-ctr

image: nginx resources: limits: cpu: "1"

apiVersion: v1 kind: Pod metadata:

name: default-cpu-demo-3

spec:

containers:

- name: default-cpu-demo-3-ctr

image: nginx resources: requests: cpu: "0.75"