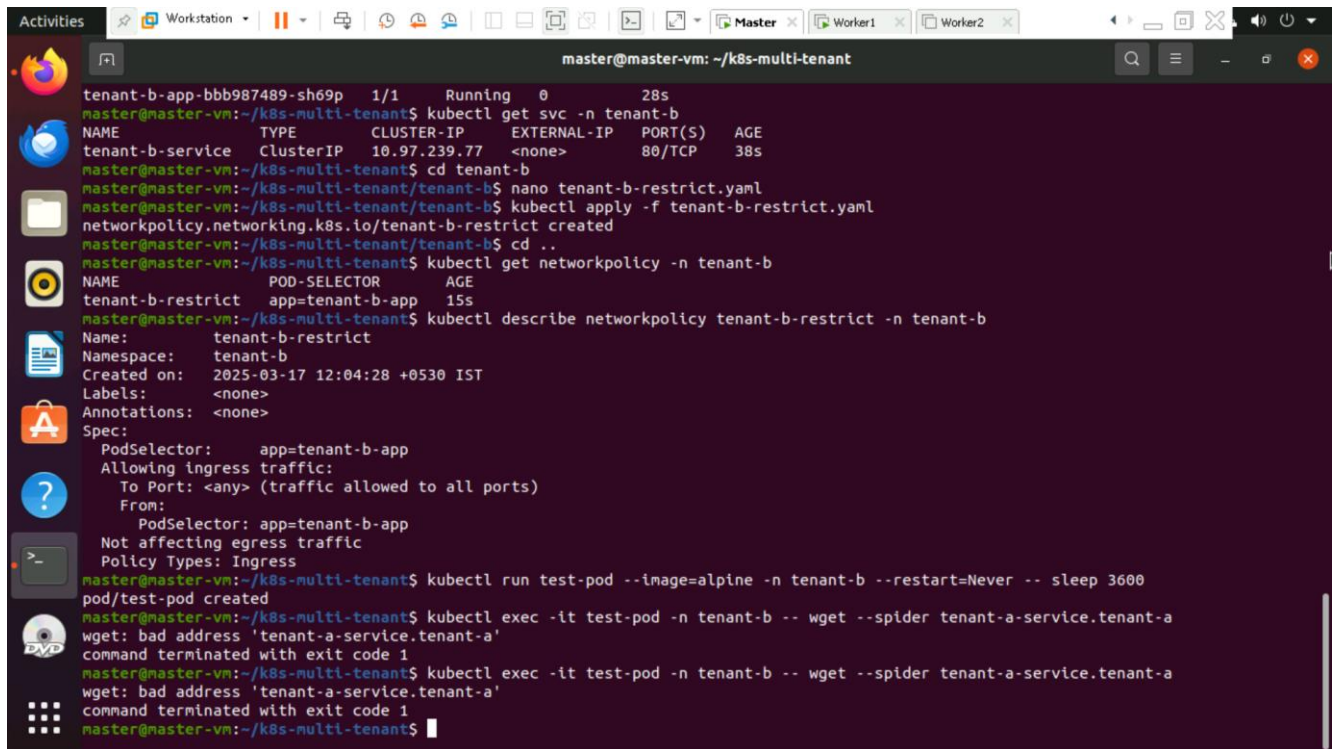


Kubernetes Project 2

Kubernetes Multi-Tenant Project



```
master@master-vm: ~/k8s-multi-tenant
tenant-b-app-bbb987489-sh69p 1/1 Running 0 28s
master@master-vm:~/k8s-multi-tenant$ kubectl get svc -n tenant-b
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE
tenant-b-service ClusterIP 10.97.239.77 <none> 80/TCP 38s
master@master-vm:~/k8s-multi-tenant$ cd tenant-b
master@master-vm:~/k8s-multi-tenant/tenant-b$ nano tenant-b-restrict.yaml
master@master-vm:~/k8s-multi-tenant/tenant-b$ kubectl apply -f tenant-b-restrict.yaml
networkpolicy.networking.k8s.io/tenant-b-restrict created
master@master-vm:~/k8s-multi-tenant/tenant-b$ cd ..
master@master-vm:~/k8s-multi-tenant$ kubectl get networkpolicy -n tenant-b
NAME POD-SELECTOR AGE
tenant-b-restrict app=tenant-b-app 15s
master@master-vm:~/k8s-multi-tenant$ kubectl describe networkpolicy tenant-b-restrict -n tenant-b
Name: tenant-b-restrict
Namespace: tenant-b
Created on: 2025-03-17 12:04:28 +0530 IST
Labels: <none>
Annotations: <none>
Spec:
  PodSelector: app=tenant-b-app
  Allowing ingress traffic:
    To Port: <any> (traffic allowed to all ports)
  From:
    PodSelector: app=tenant-b-app
  Not affecting egress traffic
  Policy Types: Ingress
master@master-vm:~/k8s-multi-tenant$ kubectl run test-pod --image=alpine -n tenant-b --restart=Never -- sleep 3600
pod/test-pod created
master@master-vm:~/k8s-multi-tenant$ kubectl exec -it test-pod -n tenant-b -- wget --spider tenant-a-service.tenant-a
wget: bad address 'tenant-a-service.tenant-a'
command terminated with exit code 1
master@master-vm:~/k8s-multi-tenant$ kubectl exec -it test-pod -n tenant-b -- wget --spider tenant-a-service.tenant-a
wget: bad address 'tenant-a-service.tenant-a'
command terminated with exit code 1
master@master-vm:~/k8s-multi-tenant$
```