**5. Create NodePort Service with YAML and Access Application via Browser**

**Create a NodePort Service**

--- **pod-nodeport-service.yml**

apiVersion: v1

kind: Service

metadata:

  name: myapp-pod-nodeport-service # Name of the Service

spec:

  type: NodePort

  selector:

  # Loadbalance traffic across Pods matching this label selector

    app: myapp

  # Accept traffic sent to port 80

  ports:

    - name: http

      port: 80    # Service Port

      targetPort: 80 # Container Port

      nodePort: 31231 # NodePort

--- **note** - the pods label should match with service label.

**Create NodePort Service for Pod**

**# Create Service**

--- **kubectl apply -f 03-pod-nodeport-service.yml**

**# List Service**

--- **kubectl get svc**

**# Get Public IP**

--- **kubectl get nodes -o wide**

**# Access Application**

--- **http://<WorkerNode-Public-IP>:<NodePort>**

--- **http://<WorkerNode-Public-IP>:31231**

**--- API Object References**

--- **Pod**: https://kubernetes.io/docs/reference/generated/kubernetes-api/v1.18/#pod-v1-core

--- **Service**: https://kubernetes.io/docs/reference/generated/kubernetes-api/v1.18/#service-v1-core

--- **Updated API Object References**

--- **Pod**: https://kubernetes.io/docs/reference/kubernetes-api/workload-resources/pod-v1/

--- **Service**: <https://kubernetes.io/docs/reference/kubernetes-api/service-resources/service-v1/>

--- **Kubernetes API Reference**: https://kubernetes.io/docs/reference/kubernetes-api/