**2. Review Kubernetes Deployment and NodePort Service manifest**

--- Reference - <https://github.com/stacksimplify/aws-eks-kubernetes-masterclass/tree/master/08-NEW-ELB-Application-LoadBalancers/08-02-ALB-Ingress-Basics>

**Review App1 Deployment kube-manifest**

--- File Location: 01-kube-manifests-default-backend/01-Nginx-App1-Deployment-and-NodePortService.yml

apiVersion: apps/v1

kind: Deployment

metadata:

  name: app1-nginx-deployment

  labels:

    app: app1-nginx

spec:

  replicas: 1

  selector:

    matchLabels:

      app: app1-nginx

  template:

    metadata:

      labels:

        app: app1-nginx

    spec:

      containers:

        - name: app1-nginx

          image: stacksimplify/kube-nginxapp1:1.0.0

          ports:

            - containerPort: 80

**Review App1 NodePort Service**

--- File Location: 01-kube-manifests-default-backend/01-Nginx-App1-Deployment-and-NodePortService.yml

apiVersion: v1

kind: Service

metadata:

  name: app1-nginx-nodeport-service

  labels:

    app: app1-nginx

  annotations:

#Important Note:  Need to add health check path annotations in service level if we are planning to use multiple targets in a load balancer

#    alb.ingress.kubernetes.io/healthcheck-path: /app1/index.html

spec:

  type: NodePort

  selector:

    app: app1-nginx

  ports:

    - port: 80

      targetPort: 80

**Review App1 Deployment and NodePort Service kubernetes manifest in single file**

apiVersion: apps/v1

kind: Deployment

metadata:

  name: app1-nginx-deployment

  labels:

    app: app1-nginx

spec:

  replicas: 1

  selector:

    matchLabels:

      app: app1-nginx

  template:

    metadata:

      labels:

        app: app1-nginx

    spec:

      containers:

        - name: app1-nginx

          image: stacksimplify/kube-nginxapp1:1.0.0

          ports:

            - containerPort: 80

---

apiVersion: v1

kind: Service

metadata:

  name: app1-nginx-nodeport-service

  labels:

    app: app1-nginx

  annotations:

#Important Note:  Need to add health check path annotations in service level if we are planning to use multiple targets in a load balancer

#    alb.ingress.kubernetes.io/healthcheck-path: /app1/index.html

spec:

  type: NodePort

  selector:

    app: app1-nginx

  ports:

    - port: 80

      targetPort: 80