A close up of a logo

Description automatically generated

**Lesson 6 Demo 4**

**Connecting Applications with Services**



Steps to be followed:

1. Exposing the pod to the cluster

**Step 1: Exposing the pod to the cluster**

* 1. Create a pod configuration file using the following command:

***vi pod\_6\_6.yaml***

* 1. Add the following code to the file created:

***apiVersion: apps/v1***

***kind: Deployment***

***metadata:***

***name: my-nginx***

***spec:***

***selector:***

***matchLabels:***

***run: my-nginx***

***replicas: 2***

***template:***

***metadata:***

***labels:***

***run: my-nginx***

***spec:***

***containers:***

***- name: my-nginx***

***image: nginx***

***ports:***

***- containerPort: 80***

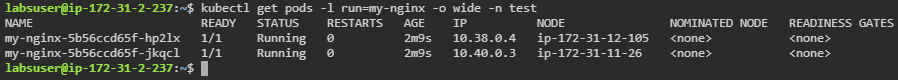
* 1. Create a resource for the pod using the following command:

***kubectl apply -f pod\_6\_6.yaml -n test***

****

* 1. Check the node the pod is running on with the following command:

***kubectl get pods -l run=my-nginx -o wide -n test***

****

* 1. Create a service using this command:

***kubectl expose deployment/my-nginx -n test***



* 1. Check the created service:

***kubectl get svc my-nginx -n test***



* 1. Fetch environment variables using the following command:

***kubectl exec my-nginx-5b56ccd65f-gwx7d -n test -- printenv | grep SERVICE***

