Lab 2:

#Create a service using vi editor

kubectl create-f svc.yaml

```
apiVersion: v1
kind: Service
metadata:
  name: argo-server-nodeport
  namespace: argo
spec:
  type: NodePort
  selector:
    app: argo-server
  ports:
   - protocol: TCP
     port: 2746
     targetPort: 2746
     nodePort: 30000 # Specify the nodePort value you want to use
```

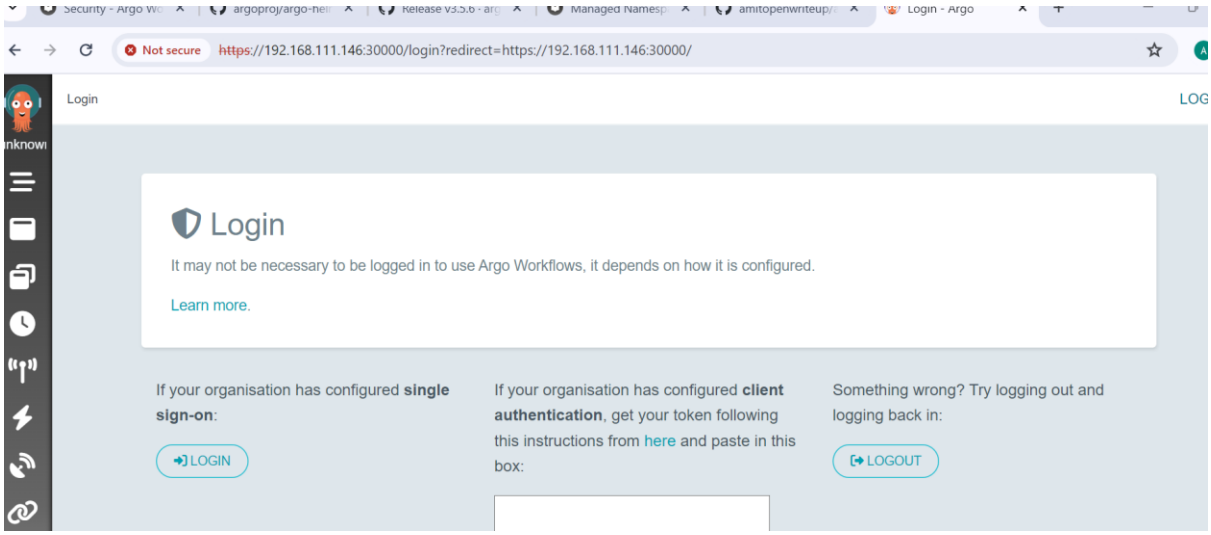
#Get the linux machine ip

ip addr show

```
root@devvm:/home/amit/argowf# kubectl get svc -n argo
NAME                    TYPE        CLUSTER-IP      EXTERNAL-IP   PORT(S)          AGE
argo-server             ClusterIP   10.108.6.173    <none>        2746/TCP         22m
argo-server-nodeport    NodePort    10.110.28.69    <none>        2746:30000/TCP   6s
```

Access through browser

https://www.openwriteup.com/
Contact : info@openwriteup.com



- Create a service account training

```
kubectl create sa training -n argo
```

- For training purpose, we are providing full access to service account

```
kubectl create clusterrolebinding training-rb --clusterrole=argo-server-cluster-role --serviceaccount=argo:training
kubectl create clusterrolebinding training-rb2--clusterrole=cluster-admin --serviceaccount=argo:training
```

Generate Auth token

Create secret.yaml

```
apiVersion: v1
kind: Secret
metadata:
  name: training.service-account-token
  namespace: argo
  annotations:
    kubernetes.io/service-account.name: training
type: kubernetes.io/service-account-token
```

```
kubectl create-f secret.yaml

ARGO_TOKEN="Bearer $(kubectl get secret training.service-account-token-n argo-o=jsonpath='{.data.token}' | base64--decode)"
```

```
echo $ARGO_TOKEN
```

Copy and paste the token in the below window