

Lab 2:

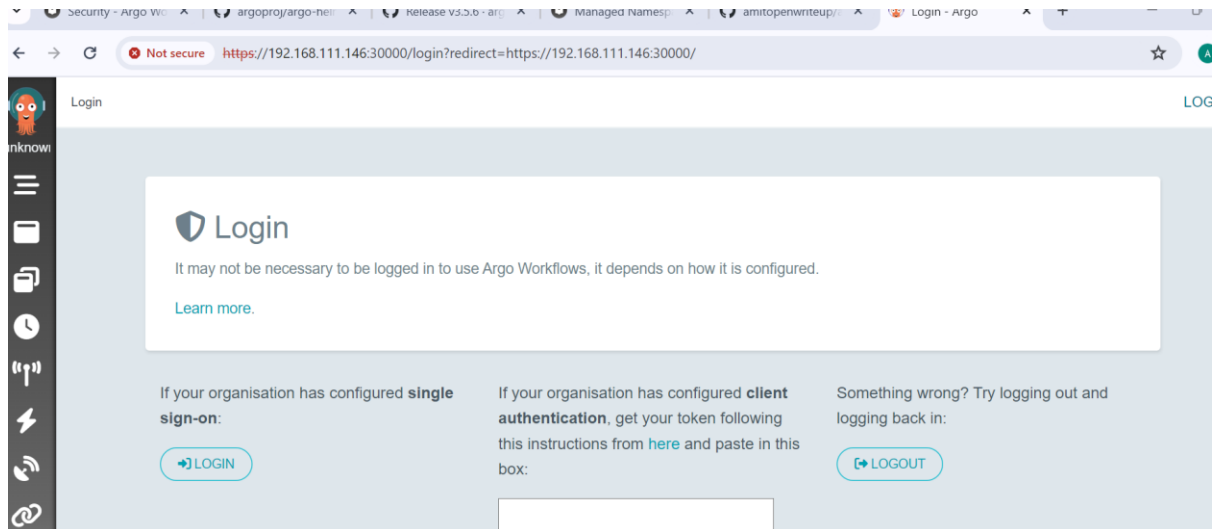
```
#Create a service using vi editor  
kubectl create-f svc.yaml
```

```
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



- 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

ion has configured **single**

If your organisation has configured **client authentication**, get your token following this instructions from [here](#) and paste in this box:

```
NoNGcHL31av45pMz0lyLbO6IO4iy  
NEK-  
ItWRKHk9QgUxdIPZ3fD6TBMFwnq  
DD_rbLcH8X7NUYixNmO4Biz35A  
GVYyf6aWkCjQSQ3EnX9aoR4PAA  
c8aNK-6r-  
iLBTdEPHPg3oKIzp7YSTBy6f_sam  
Y4OtlS Y0Oe9zwEo_0OePfQ
```