

Q. 4: Configure Groups:

Configure your OpenShift cluster to meet the following requirements:

The user account amit is a member of the calcutta group.

The user account prashant is a member of the poona group.

The user account kunal is a member of the poona group.

Member of the calcutta group have edit permission in the akola project.

Member of the poona group have view permission in the akola project.

Answer:

1. Create the groups:

```
student@workstation ~]$ oc adm groups new calcutta
group.user.openshift.io/calcutta created
student@workstation ~]$ oc adm groups new poona
group.user.openshift.io/poona created
student@workstation ~]$ oc get groups
NAME                                USERS
default SMB Group
admins                              admin
calcutta
developer
editors
cpadmins                           admin
cpdevs                             developer
poona
student@workstation ~]$
```

2. Add the users

in the given groups

\$

```
student@workstation ~]$ oc adm groups add-users calcutta amit
group.user.openshift.io/calcutta added: "amit"
student@workstation ~]$ oc adm groups add-users poona kunal
group.user.openshift.io/poona added: "kunal"
student@workstation ~]$ oc adm groups add-users poona prashant
group.user.openshift.io/poona added: "prashant"
student@workstation ~]$ oc adm policy add-role-to-group edit calcutta -n akola
clusterrole.rbac.authorization.k8s.io/edit added: "calcutta"
student@workstation ~]$ oc adm policy add-role-to-group view poona -n akola
clusterrole.rbac.authorization.k8s.io/view added: "poona"
student@workstation ~]$
```

4. Verify

\$ oc get rolebinding -n akola

```
student@workstation ~]$ oc get rolebinding -n akola
```

NAME	ROLE	AGE
admin	ClusterRole/admin	12m
admin-0	ClusterRole/admin	11m
edit	ClusterRole/edit	76s
system:deployers	ClusterRole/system:deployer	12m
system:image-builders	ClusterRole/system:image-builder	12m
system:image-pullers	ClusterRole/system:image-puller	12m
view	ClusterRole/view	54s

\$ oc describe rolebinding view-n akola

```
student@workstation ~]$ oc describe rolebinding view -n akola
```

```
Name:          view
Labels:        <none>
Annotations:   <none>
Role:
  Kind: ClusterRole
  Name: view
Subjects:
  Kind  Name      Namespace
  ----  -
  Group poona
```

```
student@workstation ~]$
```

\$ oc describe rolebinding edit-n akola

```
student@workstation ~]$ oc describe rolebinding edit -n akola
```

```
Name:          edit
Labels:        <none>
Annotations:   <none>
Role:
  Kind: ClusterRole
  Name: edit
Subjects:
  Kind  Name      Namespace
  ----  -
  Group calcutta
```