

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
roup.user.openshift.io/calcutta created
student@workstation ~]$ oc adm groups new poona
roup.user.openshift.io/poona created
student@workstation ~]$ oc get groups
AME          USERS
efault SMB Group
dmins        admin
alcutta
eveloper
ditors
cpadmins      admin
cpdevs        developer
oona
student@workstation ~]$
```

2. Add the users

in the given groups

\$

```
student@workstation ~]$ oc adm groups add-users calcutta amit
roup.user.openshift.io/calcutta added: "amit"
student@workstation ~]$ oc adm groups add-users poona kunal
roup.user.openshift.io/poona added: "kunal"
student@workstation ~]$ oc adm groups add-users poona prashant
roup.user.openshift.io/poona added: "prashant"
student@workstation ~]$ oc adm policy add-role-to-group edit calcutta -n akola
lusterrole.rbac.authorization.k8s.io/edit added: "calcutta"
student@workstation ~]$ oc adm policy add-role-to-group view poona -n akola
lusterrole.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
dmin          ClusterRole/admin   12m
dmin-0        ClusterRole/admin   11m
dit           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
```