

Q. 1. Configure an Identity Provider

Configure your Openshift Cluster to use an HTTPasswd identity provider with the following.

The name of the Identity Provider is : ex280-exam

The name of the secret is : ex280-secretexam

The user account amit is present and can login with password bharat

The user account prashant is present and can login with password swiss

The user account kunal is present and can login with password mushroom

The user account kamra is present and can login with password soma

The user account akshay is present and can login with password pune

Answer:

1. Login with admin user:

```
$ oc login -u admin -p redhatocp https://api.ocp4.example.com:6443
```

2. Verify htpasswd utility is available or not:

```
workstation ~]$ which htpasswd
```

If not available, Install the following package:

```
workstation ~]$ sudo dnf install httpd-tools-y
```

3. Create users file using htpasswd command:

```
[student@workstation ~]$ htpasswd -c -b -B openshift-users amit bh  
arat  
Adding password for user amit  
[student@workstation ~]$ htpasswd -b -B openshift-users prashant s  
viss  
Adding password for user prashant  
[student@workstation ~]$ htpasswd -b -B openshift-users kunal mush  
room  
Adding password for user kunal  
[student@workstation ~]$ htpasswd -b -B openshift-users kamra soma  
Adding password for user kamra  
[student@workstation ~]$ htpasswd -b -B openshift-users akshay pun
```

4. Create secret

\$ oc create secret generic ex280-secretexam --from-file

htpasswd=Openshift-users-n openshift-config

```
student@workstation ~]$ oc create secret generic ex280-secretexam  
--from-file htpasswd=openshift-users -n openshift-config  
secret/ex280-secretexam created
```

5. Create new oauth cluster yaml file and replace it.

\$ oc get oauth cluster-o yaml > is.yml

\$ vim is.yml

```
apiVersion: config.openshift.io/v1  
kind: OAuth  
metadata:  
  name: cluster  
spec:  
  identityProviders:  
    - htpasswd:  
      fileData:  
        name: ex280-secretexam  
      mappingMethod: claim  
      name: ex280-exam  
      type: HTPasswd
```

:q

\$ oc replace-f is.yml

6. Wait for the pod in namespace openshift-authentication for restarting

\$ watch oc get pod -n openshift-authentication

```
every 2.0s: oc get pod -... workstation: Tue Dec 9 09:51:17 2025  
NAME                                READY   STATUS    RESTARTS  
auth-openshift-65c689cd47-l89fh    0/1     Pending   0  
auth-openshift-bb76cf695-s2twq     1/1     Terminating 1
```

```
openshift-65c689cd47-l89fh 1/1 Running 0 37
```

7. Verify all users are able to login or not (Mandatory Step).

```
$ oc login-u amit -p bharat
```

```
$ oc login-u prashant -p swiss
```

```
$ oc login-u kunal -p mushroom
```

```
$ oc login-u kamra -p soma
```

```
$ oc login-u akshay -p pune
```

```
student@workstation ~]$ oc login -u amit -p bharat
Login successful.

You don't have any projects. You can try to create a new project,
/ running

    oc new-project <projectname>

student@workstation ~]$ oc login -u prashant -p swiss
Login successful.

You don't have any projects. You can try to create a new project,
/ running
```

8. ReLogin with admin user using certificate.

```
$ cp .auth/ocp4-kubeconfig .kube/config
```

```
student@workstation ~]$ cp .auth/ocp4-kubeconfig .kube/config
student@workstation ~]$ oc whoami
system:admin
```