


## 5- OPENSIFT USER CONCEPT



Sezgin KEŞCİOĞLU tarafından oluşturuldu  
Son güncelleme: dün 10:55 ÖS

### USER ROLES USING ROLE BASED ACCESS CONTROL (RBAC)

- Roles

ROLE	DESCRIPTION
cluster-admin	<b>A super-user</b> that can perform any action in any project.  When bound to a user with a local binding, they have full control over quota and every action on every resource in the project.
cluster-status	A user that can get basic cluster status information.
cluster-reader	A user that can get or view most of the objects but <b>cannot modify them.</b>
self-provisioner	A user that can create their own projects.
admin	A project manager. If used in a local binding, an <code>admin</code> has rights to view and modify any resource in the project  <b>except for quota.</b>
basic-user	A user that can get basic information about projects and users.

- Cluster role binding commands

You can also manage cluster role bindings using the following operations. The `-n` flag is not used for these operations because cluster role bindings use non-namespaced resources.

Command	Description
<code>\$ oc adm policy add-cluster-role-to-user &lt;role&gt; &lt;username&gt;</code>	Binds a given role to specified users for all projects in the cluster.
<code>\$ oc adm policy remove-cluster-role-from-user &lt;role&gt; &lt;username&gt;</code>	Removes a given role from specified users for all projects in the cluster.
<code>\$ oc adm policy add-cluster-role-to-group &lt;role&gt; &lt;groupname&gt;</code>	Binds a given role to specified groups for all projects in the cluster.
<code>\$ oc adm policy remove-cluster-role-from-group &lt;role&gt; &lt;groupname&gt;</code>	Removes a given role from specified groups for all projects in the cluster.

- Local role binding commands

When you manage a user or group's associated roles for local role bindings using the following operations, a project may be specified with the `-n` flag. If it is not specified, then the current project is used.

You can use the following commands for local RBAC management.

Command	Description
<code>\$ oc adm policy who-can &lt;verb&gt; &lt;resource&gt;</code>	Indicates which users can perform an action on a resource.

\$ oc adm policy remove-role-from-user <role> <username>	Removes a given role from specified users in the current project.
\$ oc adm policy remove-user <username>	Removes specified users and all of their roles in the current project.
\$ oc adm policy add-role-to-group <role> <groupname>	Binds a given role to specified groups in the current project.
\$ oc adm policy remove-role-from-group <role> <groupname>	Removes a given role from specified groups in the current project.
\$ oc adm policy remove-group <groupname>	Removes specified groups and all of their roles in the current project.

USER LAB SECTION

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Name

kubeadmin

Labels

No labels

Edit

Annotations

0 annotations

Full name

-

Identities

developer:kubeadmin

Created at

1 Eki 2022 12:11

Owner

No owner

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Filter

Name

Search by name...

Name	Role ref	Subject kind	Subject name	Namespace
RB admin	CR admin	User	kubeadmin	NS accounting-services
CRB kubeadmin	CR cluster-admin	User	kubeadmin	All namespaces
RB user-settings-e2d5df34-1eaa-44fb-86cb-7a5728claca5-rolebinding	R user-settings-e2d5df34-1eaa-44fb-86cb-7a5728claca5-role	User	kubeadmin	NS openshift-console-user-settings

Roles > ClusterRole details

**cluster-admin** Actions

Details YAML RoleBindings

Create binding

Name Search by name...

Name	Subject kind	Subject name	Namespace
cluster-admin	Group	systemmasters	All namespaces
cluster-admins	Group	systemcluster-admins	All namespaces
cluster-admins	User	systemadmin	All namespaces
cluster-storage-operator-role	ServiceAccount	cluster-storage-operator	All namespaces
cluster-version-operator	ServiceAccount	default	All namespaces
csi-snapshot-controller-operator-role	ServiceAccount	csi-snapshot-controller-operator	All namespaces
default-account-cluster-network-operator	ServiceAccount	default	All namespaces
default-account-openshift-machine-config-operator	ServiceAccount	default	All namespaces
kubeadmin	User	kubeadmin	All namespaces
systemopenshiftoauth-apserver	ServiceAccount	oauth-apserver-sa	All namespaces
systemopenshifttopenshift-apserver	ServiceAccount	openshift-apserver-sa	All namespaces
systemopenshifttopenshift-authentication	ServiceAccount	oauth-openshift	All namespaces
systemopenshiftoperatorauthentication	ServiceAccount	authentication-operator	All namespaces
systemopenshiftoperatorcluster-kube-scheduler-operator	ServiceAccount	openshift-kube-scheduler-operator	All namespaces
systemopenshiftoperatornetcd-operator	ServiceAccount	etcd-operator	All namespaces
systemopenshiftoperatorkube-apserver-operator	ServiceAccount	kube-apserver-operator	All namespaces

#### ▼ User Creation

```

1 # oc create user <username>
2
3 For example:
4 # oc create user dxiadmin
5 user.user.OpenShift.io/dxiadmin created

```

Users > User details

**sezgin.kescioglu**

Details YAML RoleBindings

User details

Name  
sezgin.kescioglu

Labels  
No labels

Annotations  
0 annotations

Full name  
-

Identities

Created at  
12 Eki 2022 18:16

Owner  
No owner

```

C:\TOOLS\cmd.exe
λ oc create user sezgin.kescioglu
user.user.openshift.io/sezgin.kescioglu created
C:\TOOLS\cmd.exe
λ

```

RED HAT  
OPENSIFT  
By Sezgin KEŞCİOĞLU

#### ▼ User Role Binding With RBAC

Users > User details

**sezgin.kescioglu**

Details YAML RoleBindings

User details

Name  
sezgin.kescioglu

Labels  
No labels

Annotations  
0 annotations

Full name  
-

Identities

Created at  
12 Eki 2022 18:16

Owner  
No owner

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☐ Namespace role binding (RoleBinding)  
Grant the permissions to a user or set of users within the selected namespace.

☒ Cluster-wide role binding (ClusterRoleBinding)  
Grant the permissions to a user or set of users at the cluster level and in all namespaces.

RoleBinding

Name \*

sezgin-admin-role-binding

Role

Role name \*

CR

cluster-admin

Subject

☒ User

☐ Group

☐ ServiceAccount

Subject name \*

sezgin.kescioglu

Create

Cancel

+ Etiket ekle

😊 Tepki ekleyen ilk siz olun