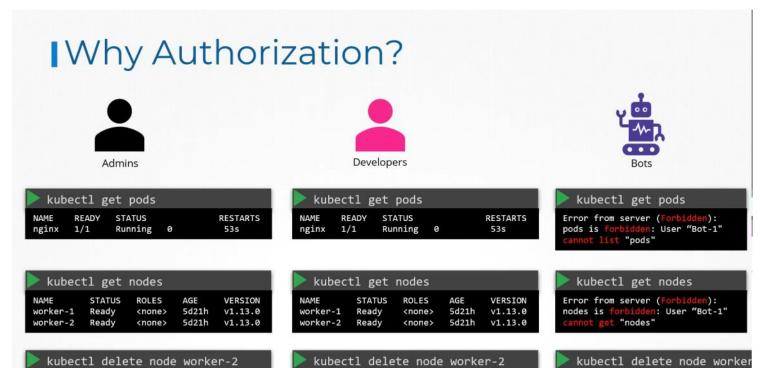
Node worker-2 Deleted!

AUTHORIZATION



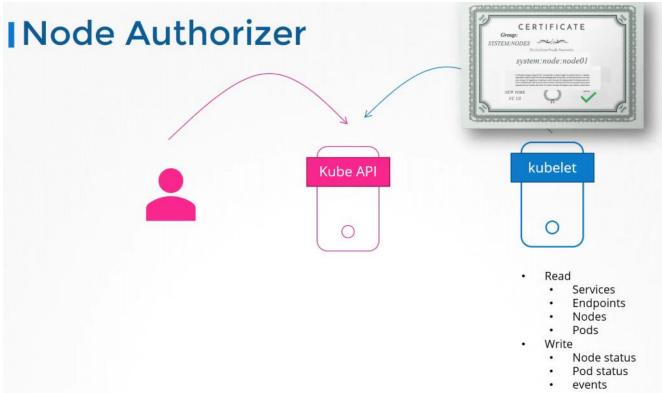
Error from server (Forbidden): nodes
"worker-2" is forbidden: User "developer"
cannot delete resource "nodes"

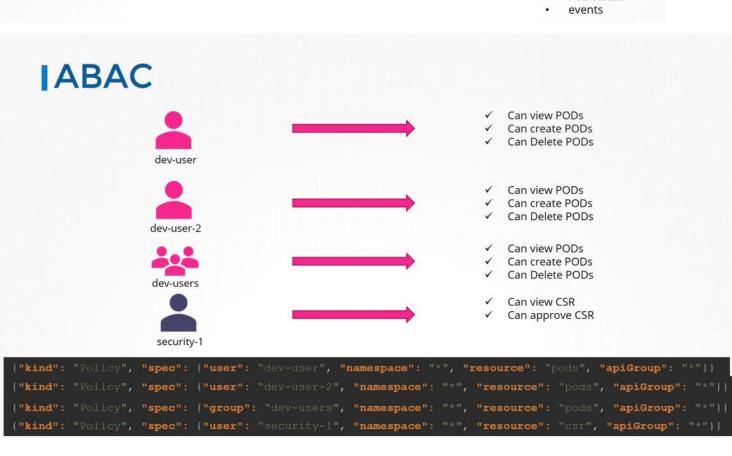
Error from server (Forbide "worker-2" is forbidden: U 1" cannot delete resource

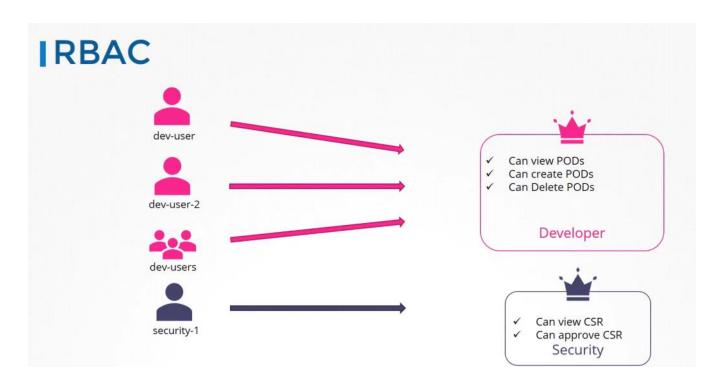
bidden): nodes n: User "Bot-rce "nodes"

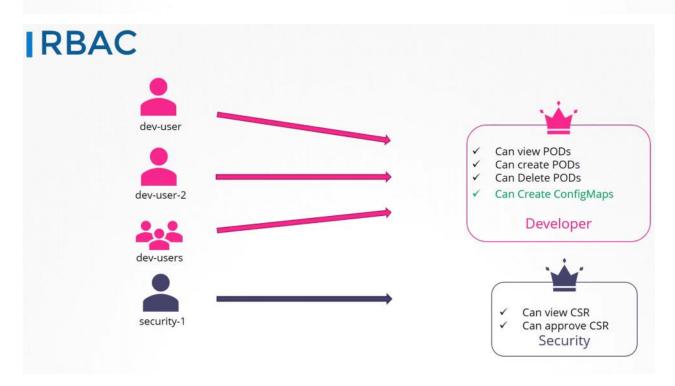
IAuthorization Mechanisms

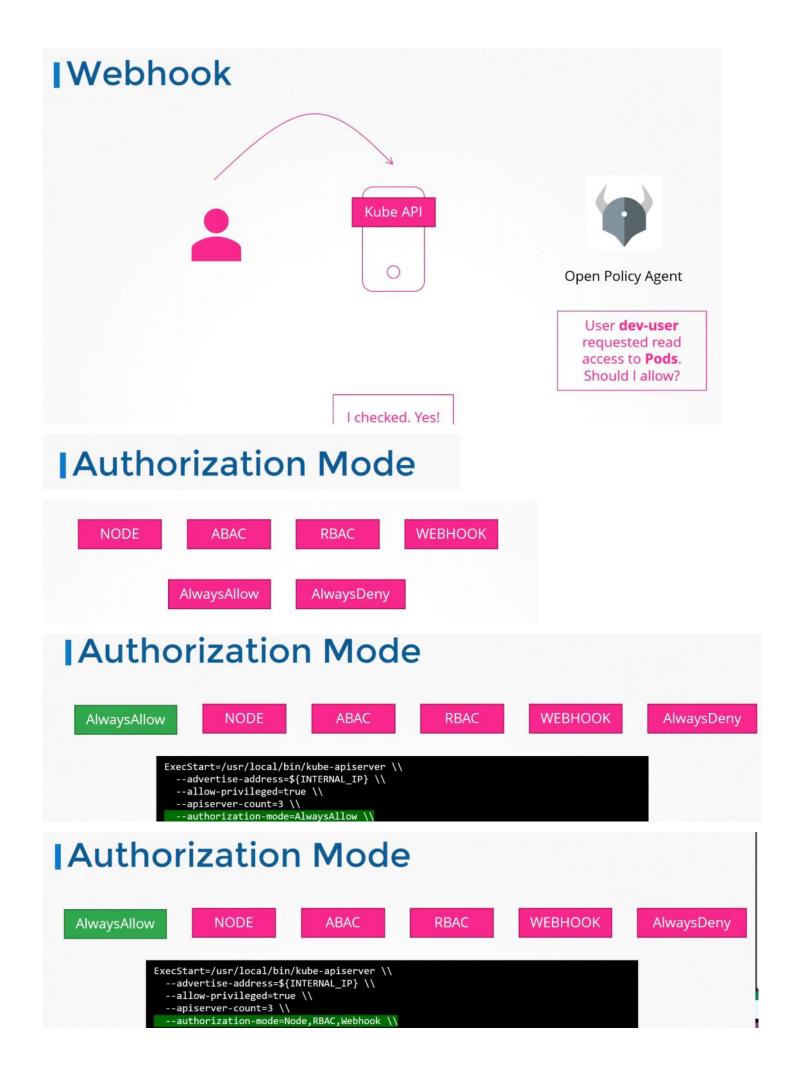
Node **ABAC RBAC** Webhook

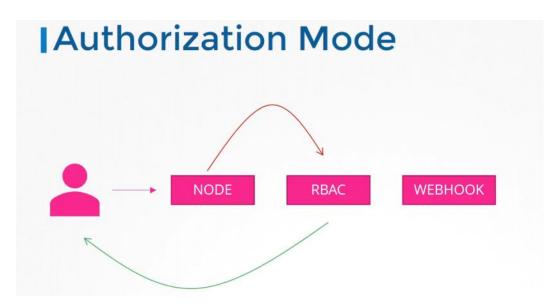














IRBAC



- ✓ Can view PODs
- ✓ Can create PODs
- ✓ Can Delete PODs
- ✓ Can Create ConfigMaps

Developer

developer-role.yaml

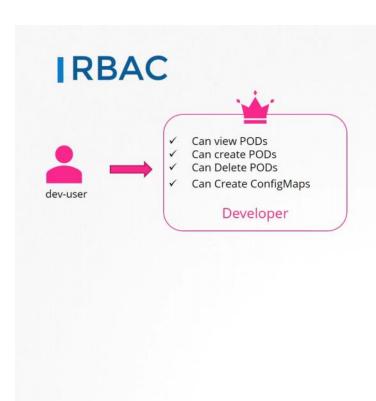
```
apiVersion: rbac.authorization.k8s.io/v1
kind: Role
metadata:
   name: developer
rules:
   - apiGroups: [""]
   resources: ["pods"]
   verbs: ["list" "get" "create" "undate" "delete"]
```

```
developer-role.yaml

apiVersion: rbac.authorization.k8s.io/v1
kind: Role
metadata:
   name: developer
rules:
   - apiGroups: [""]
   resources: ["pods"]
   verbs: ["list", "get", "create", "update", "delete"]

   - apiGroups: [""]
   resources: ["ConfigMap"]
   verbs: ["create"]
```

kubectl create -f developer-role.yaml



```
developer-role.yaml
apiVersion: rbac.authorization.k8s.io/v1
kind: Role
metadata:
    name: developer
rules:
    - apiGroups: [""]
    resources: ["pods"]
    verbs: ["list", "det", "create", "update", "det", "det", "create", "update", "det", "det",
```

kubectl create -f devuser-developer-binding.yaml

IView RBAC

```
kubectl get roles
developer
           4s
  kubectl get rolebindings
                           AGE
devuser-developer-binding
                           24s
  kubectl describe role developer
             developer
Name:
Labels:
              <none>
Annotations: <none>
PolicyRule:
  Resources
            Non-Resource URLs Resource Names Verbs
 ConfigMap
            []
[]
                               []
[]
                                               [create]
                                               [get watch list create delete]
 pods
```



```
kubectl auth can-i create deployments
yes

kubectl auth can-i delete nodes
no

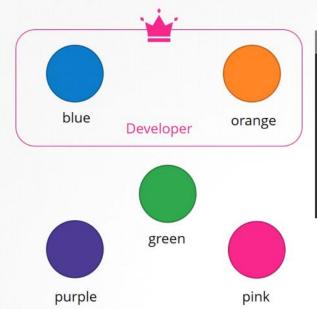
kubectl auth can-i create deployments --as dev-user
no

kubectl auth can-i create pods --as dev-user
yes

kubectl auth can-i create pods --as dev-user
yes
```

User dev-user

IResource Names



apiVersion: rbac.authorization.k8s.io/v1
kind: Role
metadata:
 name: developer
rules:
 - apiGroups: [""]
 resources: ["pods"]
 verbs: ["get", "create", "update"]
 resourceNames: ["blue", "orange"]