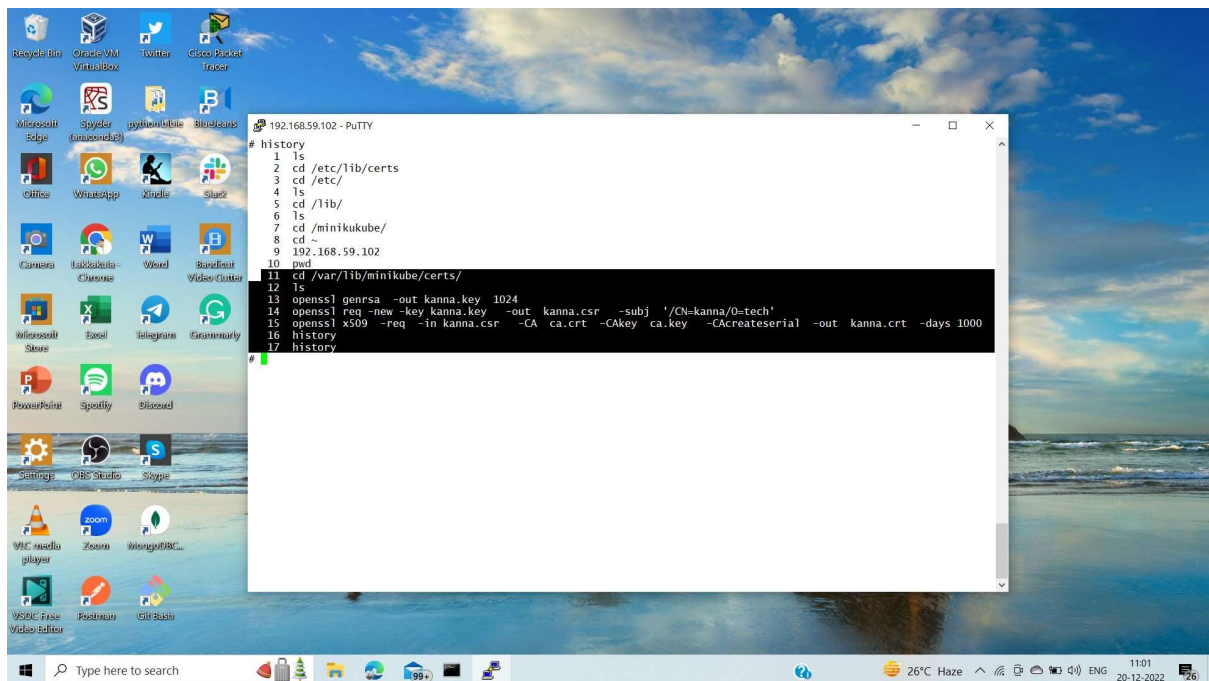


```
Command Prompt - minikube start
Microsoft Windows [Version 10.0.19045.2364]
(c) Microsoft Corporation. All rights reserved.

C:\Users\ESHWAR>minikube start
* minikube v1.28.0 on Microsoft Windows 10 Home Single Language 10.0.19045 Build 19045
* Kubernetes 1.25.3 is now available. If you would like to upgrade, specify: --kubernetes-version=v1.25.3
* Using the virtualbox driver based on existing profile
* Starting control plane node minikube in cluster minikube
* Restarting existing virtualbox VM for "minikube" ...
! This VM is having trouble accessing https://k8s.gcr.io
* To pull new external images, you may need to configure a proxy: https://minikube.sigs.k8s.io/docs/reference/networking/proxy/
* Preparing Kubernetes v1.22.3 on Docker 20.10.8 ...-
```



```
192.168.59.102 - PuTTY
# history
1  ls
2  cd /etc/lib/certs
3  cd /etc/
4  ls
5  cd /lib/
6  ls
7  cd /minikube/
8  cd ~
9  192.168.59.102
10 pwd
11 cd /var/lib/minikube/certs/
12 ls
13 openssl genrsa -out kanna.key 1024
14 openssl req -new -key kanna.key -out kanna.csr -subj '/CN=kanna/0-tech'
15 openssl x509 -req -in kanna.csr -CA ca.crt -CAkey ca.key -CAcreateserial -out kanna.crt -days 1000
16 history
17 history
```

docker - docker@192.168.59.102 - WinSCP

Local Mark Files Commands Session Options Remote Help

Synchronize Queue Transfer Settings Default

docker@192.168.59.102 X New Session

My documents docker

Upload Download Edit Properties New

C:\Users\ESHWAR\Documents

Name	Size	Type	Changed
.		Parent directory	29-11-2022 09:24:34
Bandicut		File folder	28-09-2022 22:43:22
Custom Office Templ...		File folder	24-12-2021 14:46:58
DS		File folder	28-04-2022 09:18:44
DS SCT		File folder	26-04-2022 09:50:58
FlashIntegro		File folder	15-07-2022 23:11:01
McAfee Vaults		File folder	20-12-2022 10:21:12
My Kindle Content		File folder	02-06-2022 18:41:31
Python		File folder	06-05-2022 13:18:44
Python Scripts		File folder	19-11-2022 22:17:19
Zoom		File folder	20-01-2022 22:30:11
doubt.docx	179 KB	Microsoft Word D...	28-08-2022 11:14:31
email application for ...	1 KB	Text Document	03-11-2022 15:28:14
eshwarkanna.pdf	4,029 KB	Microsoft Edge P...	13-04-2022 14:04:43
Internship Presentati...	4,217 KB	Microsoft Edge P...	22-05-2022 10:43:53
Lakkakula Eshwar Re...	265 KB	Microsoft Word D...	22-11-2022 09:31:04
ppp.pdf	54 KB	Microsoft Edge P...	13-12-2021 20:54:30

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6 hidden 2.21 KB of 2.21 KB in 3 of 3

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11:06 20-12-2022

minikube - docker@192.168.59.102 - WinSCP

Local Mark Files Commands Session Options Remote Help

Synchronize Queue Transfer Settings Default

docker@192.168.59.102 X New Session

C:\Windows

Upload Download Edit Properties New

C:\Users\ESHWAR\minikube\profiles\minikube\

Name	Size	Type	Changed
.		Parent directory	20-12-2022 11:09:41
apiserver.crt	2 KB	Security Certificate	22-03-2022 10:44:49
apiserver.crt.22841d...	2 KB	22841DB4 File	02-12-2021 22:00:39
apiserver.crt.b76a73...	2 KB	B76A7398 File	22-03-2022 10:44:49
apiserver.key	2 KB	KEY File	22-03-2022 10:44:49
apiserver.key.22841d...	2 KB	22841DB4 File	02-12-2021 22:00:39
apiserver.key.b76a73...	2 KB	B76A7398 File	22-03-2022 10:44:49
client.crt	2 KB	Security Certificate	02-12-2021 22:00:39
client.key	2 KB	KEY File	02-12-2021 22:00:39
config.json	4 KB	JSON Source File	20-12-2022 10:43:26
events.json	4 KB	JSON Source File	20-12-2022 10:43:26
kanna.crt	1 KB	Security Certificate	20-12-2022 11:02:30
kanna.csr	1 KB	CSR File	20-12-2022 11:02:30
kanna.key	1 KB	KEY File	20-12-2022 11:02:30
proxy-client.crt	2 KB	Security Certificate	02-12-2021 22:00:39
proxy-client.key	2 KB	KEY File	02-12-2021 22:00:39

2.21 KB of 23.2 KB in 3 of 15

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TATASTEEL -1.61%

11:10 20-12-2022

```
Select Command Prompt
C:\Users\ESHWAR\minikube\profiles\minikube>kubectl config set-credentials kanna --client-key="C:\Users\ESHWAR\minikube\profiles\minikube\kanna.key" --client-certificate="C:\Users\ESHWAR\minikube\profiles\minikube\kanna.crt"
```

```
Command Prompt
C:\Users\ESHWAR\yaml>notepad myrole.yaml
C:\Users\ESHWAR\yaml>kubectl create -f myrole.yaml
error: error parsing myrole.yaml: error converting YAML to JSON: yaml
C:\Users\ESHWAR\yaml>kubectl create -f myrole.yaml
error: error parsing myrole.yaml: error converting YAML to JSON: yaml
C:\Users\ESHWAR\yaml>kubectl create -f myrole.yaml
error: error parsing myrole.yaml: error converting YAML to JSON: yaml
C:\Users\ESHWAR\yaml>kubectl create -f myrole.yaml
Error from server (Forbidden): error when creating "myrole.yaml": role
"testing"
C:\Users\ESHWAR\yaml>
```

```
myrole - Notepad
File Edit Format View Help
apiVersion: rbac.authorization.k8s.io/v1
kind: Role
metadata:
  namespace: testing
  name: mymonitor-role
rules:
- resources: [ "pods" ]
  verbs: [ "list" ]
Ln 8, Col 8 100% Windows (CRLF) UTF-8
```

```
Select Command Prompt

C:\Users\ESHWAR\yaml>notepad myrole.yaml

C:\Users\ESHWAR\yaml>kubectl create -f myrole.yaml
error: error parsing myrole.yaml: error converting YAML to JSON: yaml: line 7: did not find expected key

C:\Users\ESHWAR\yaml>kubectl create -f myrole.yaml
error: error parsing myrole.yaml: error converting YAML to JSON: yaml: line 7: did not find expected key

C:\Users\ESHWAR\yaml>kubectl create -f myrole.yaml
error: error parsing myrole.yaml: error converting YAML to JSON: yaml: line 7: did not find expected key

C:\Users\ESHWAR\yaml>kubectl create -f myrole.yaml
Error from server (Forbidden): error when creating "myrole.yaml": roles.rbac.authorization.k8s.io is forbidden: User "kanna" cannot create "testing"
```

```
Select Command Prompt

C:\Users\ESHWAR\yaml>notepad myrole.yaml

C:\Users\ESHWAR\yaml>kubectl create -f myrole.yaml
error: error parsing myrole.yaml: error converting YAML to JSON: yaml: line 7: did not find expected key

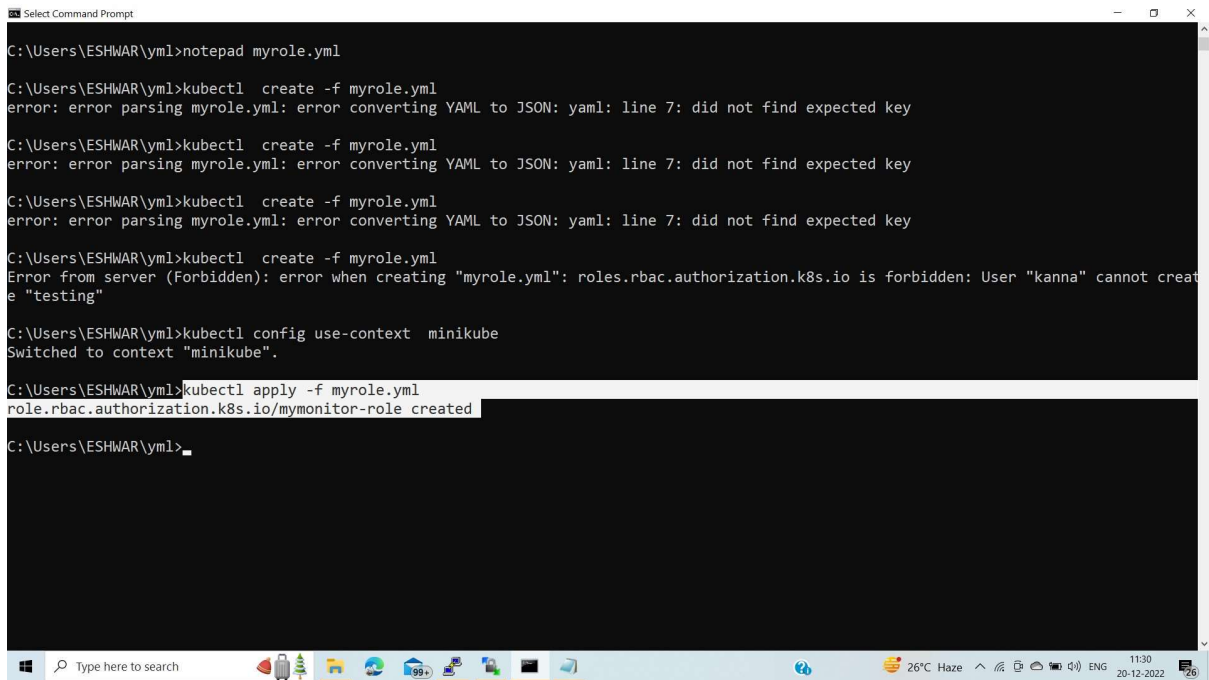
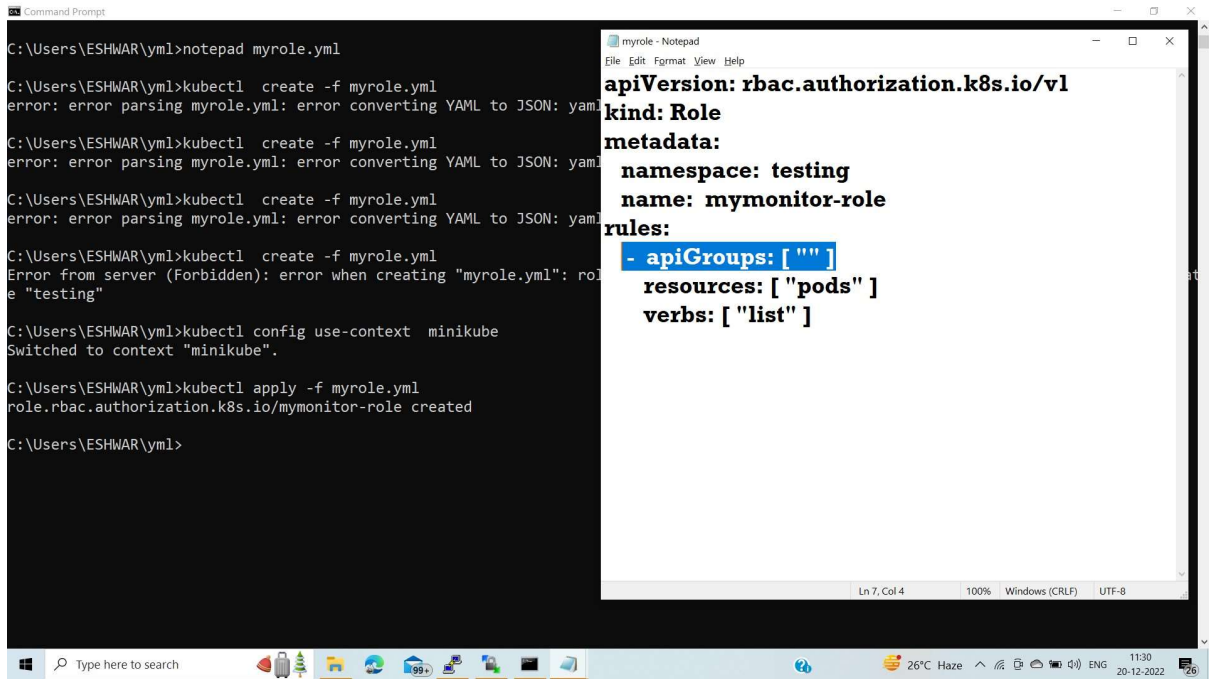
C:\Users\ESHWAR\yaml>kubectl create -f myrole.yaml
error: error parsing myrole.yaml: error converting YAML to JSON: yaml: line 7: did not find expected key

C:\Users\ESHWAR\yaml>kubectl create -f myrole.yaml
error: error parsing myrole.yaml: error converting YAML to JSON: yaml: line 7: did not find expected key

C:\Users\ESHWAR\yaml>kubectl create -f myrole.yaml
Error from server (Forbidden): error when creating "myrole.yaml": roles.rbac.authorization.k8s.io is forbidden: User "kanna" cannot create "testing"

C:\Users\ESHWAR\yaml>kubectl config use-context minikube
Switched to context "minikube".

C:\Users\ESHWAR\yaml>
```



```
Select Command Prompt
C:\Users\ESHWAR\yaml>kubectl get roles -n testing
NAME          CREATED AT
mymonitor-role 2022-12-20T06:00:36Z

C:\Users\ESHWAR\yaml>
```

```
Command Prompt
C:\Users\ESHWAR\yaml>kubectl get roles -n testing
NAME          CREATED AT
mymonitor-role 2022-12-20T06:00:36Z

C:\Users\ESHWAR\yaml>notepad myrolebinding.yaml

C:\Users\ESHWAR\yaml>kubectl create -f myrolebinding.yaml
error: error parsing myrolebinding.yaml: error converting YAML to JSON:
C:\Users\ESHWAR\yaml>kubectl create -f myrolebinding.yaml
error: error parsing myrolebinding.yaml: error converting YAML to JSON:
C:\Users\ESHWAR\yaml>kubectl config use-context minikube
Switched to context "minikube".

C:\Users\ESHWAR\yaml>kubectl create -f myrolebinding.yaml
Error from server (AlreadyExists): error when creating "myrolebinding.yaml":
C:\Users\ESHWAR\yaml>kubectl create -f myrolebinding.yaml
error: error parsing myrolebinding.yaml: error converting YAML to JSON:
C:\Users\ESHWAR\yaml>kubectl create -f myrolebinding.yaml
rolebinding.rbac.authorization.k8s.io/kanna-user-binding created

C:\Users\ESHWAR\yaml>
```

```
myrolebinding - Notepad
File Edit Format View Help
apiVersion: rbac.authorization.k8s.io/v1
kind: RoleBinding
metadata:
  name: kanna-user-binding
  namespace: testing
subjects:
- kind: User
  name: kanna
  apiGroup: rbac.authorization.k8s.io
roleRef:
  kind: Role
  name: mymonitor-role
  apiGroup: rbac.authorization.k8s.io

Ln 9, Col 10 100% Windows (CRLF) UTF-8
```

```
Select Command Prompt

C:\Users\ESHWAR\yaml>kubectl create -f myrolebinding.yaml
error: error parsing myrolebinding.yaml: error converting YAML to JSON: yaml: line 8: mapping values are not allowed in this context

C:\Users\ESHWAR\yaml>kubectl create -f myrolebinding.yaml
rolebinding.rbac.authorization.k8s.io/kanna-user-binding created

C:\Users\ESHWAR\yaml>kubectl get rolebinding -n testing
NAME                ROLE                AGE
kanna-user-binding  Role/mymonitor-role  44s

C:\Users\ESHWAR\yaml>
```

```
Select Command Prompt

C:\Users\ESHWAR\yaml>kubectl create -f myrolebinding.yaml
error: error parsing myrolebinding.yaml: error converting YAML to JSON: yaml: line 8: mapping values are not allowed in this context

C:\Users\ESHWAR\yaml>kubectl create -f myrolebinding.yaml
rolebinding.rbac.authorization.k8s.io/kanna-user-binding created

C:\Users\ESHWAR\yaml>kubectl get rolebinding -n testing
NAME                ROLE                AGE
kanna-user-binding  Role/mymonitor-role  44s

C:\Users\ESHWAR\yaml>kubectl describe rolebinding -n testing
Name:                kanna-user-binding
Labels:              <none>
Annotations:         <none>
Role:
  Kind: Role
  Name: mymonitor-role
Subjects:
  Kind  Name  Namespace
  ----  ---  -
  User  kanna

C:\Users\ESHWAR\yaml>
```



```
Select Command Prompt
Labels:      <none>
Annotations: <none>
Role:
  Kind: Role
  Name: mymonitor-role
Subjects:
  Kind Name      Namespace
  ---- ----      -
  User  kanna

C:\Users\ESHWAR\yaml>kubectl config use-context mykannacontext
Switched to context "mykannacontext".

C:\Users\ESHWAR\yaml>kubectl get po
Error from server (Forbidden): pods is forbidden: User "kanna" cannot list resource "pods" in API group "" in the namespace "default"

C:\Users\ESHWAR\yaml>kubectl get po -n testing
No resources found in testing namespace.

C:\Users\ESHWAR\yaml>kubectl get roles -n testing
Error from server (Forbidden): roles.rbac.authorization.k8s.io is forbidden: User "kanna" cannot list resource "roles" in API group "rbac.authorization.k8s.io" in the namespace "testing"

C:\Users\ESHWAR\yaml>
```

```
Command Prompt

C:\Users\ESHWAR\yaml>kubectl config use-context mykannacontext
Switched to context "mykannacontext".

C:\Users\ESHWAR\yaml>kubectl get po -n testing
No resources found in testing namespace.

C:\Users\ESHWAR\yaml>kubectl get deploy -n testing
Error from server (Forbidden): deployments.apps is forbidden: User "kanna" cannot list resource "deployments" in API group "apps" in the namespace "testing"

C:\Users\ESHWAR\yaml>kubectl config use-context minikube
Switched to context "minikube".

C:\Users\ESHWAR\yaml>
```

```
myrole - Notepad
File Edit Format View Help
apiVersion: rbac.authorization.k8s.io/v1
kind: Role
metadata:
  namespace: testing
  name: mymonitor-role
rules:
- apiGroups: [ "" ]
  resources: [ "pods", "deploy" ]
  verbs: [ "list" ]

Ln 8, Col 38 100% Windows (CRLF) UTF-8
```



```
Command Prompt
C:\Users\ESHWAR\yaml>kubectl config use-context minikube
Switched to context "minikube".

C:\Users\ESHWAR\yaml>kubectl apply -f myrole.yaml
role.rbac.authorization.k8s.io/mymonitor-role configured

C:\Users\ESHWAR\yaml>kubectl config use-context mykannacontext
Switched to context "mykannacontext".

C:\Users\ESHWAR\yaml>kubectl get deploy -n testing
Error from server (Forbidden): deployments.apps is forbidden: User "kanna" cannot list resource "deployments" in API group "apps" in the namespace "testing"

C:\Users\ESHWAR\yaml>kubectl get deploy -n testing
Error from server (Forbidden): deployments.apps is forbidden: User "kanna" cannot list resource "deployments" in API group "apps" in the namespace "testing"

C:\Users\ESHWAR\yaml>kubectl describe roles -n testing
Error from server (Forbidden): roles.rbac.authorization.k8s.io is forbidden: User "kanna" cannot list resource "roles" in API group "rbac.authorization.k8s.io" in the namespace "testing"

C:\Users\ESHWAR\yaml>kubectl describe role -n testing
Error from server (Forbidden): roles.rbac.authorization.k8s.io is forbidden: User "kanna" cannot list resource "roles" in API group "rbac.authorization.k8s.io" in the namespace "testing"

C:\Users\ESHWAR\yaml>
```

```
myrole - Notepad
File Edit Format View Help

apiVersion: rbac.authorization.k8s.io/v1
kind: Role
metadata:
  namespace: testing
  name: mymonitor-role
rules:
- apiGroups: [ "" ]
  resources: [ "pods" , "deployment" ]
  verbs: [ "list" ]

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```

```
Select Command Prompt
Error from server (Forbidden): deployments.apps is forbidden: User "kanna" cannot list resource "deployments" in API group "apps" in the namespace "testing"

C:\Users\ESHWAR\yaml>kubectl describe roles -n testing
Error from server (Forbidden): roles.rbac.authorization.k8s.io is forbidden: User "kanna" cannot list resource "roles" in API group "rbac.authorization.k8s.io" in the namespace "testing"

C:\Users\ESHWAR\yaml>kubectl describe role -n testing
Error from server (Forbidden): roles.rbac.authorization.k8s.io is forbidden: User "kanna" cannot list resource "roles" in API group "rbac.authorization.k8s.io" in the namespace "testing"

C:\Users\ESHWAR\yaml>kubectl config use-context minikube
Switched to context "minikube".

C:\Users\ESHWAR\yaml>kubectl apply -f myrole.yaml
role.rbac.authorization.k8s.io/mymonitor-role configured

C:\Users\ESHWAR\yaml>kubectl describe roles -n testing
Name:          mymonitor-role
Labels:        <none>
Annotations:   <none>
PolicyRule:
  Resources      Non-Resource URLs  Resource Names      Verbs
  -----
deployment      []                  []                  [list]
pods            []                  []                  [list]

C:\Users\ESHWAR\yaml>
```

Command Prompt

C:\Users\ESHWAR\yaml>kubect1 describe roles -n testing  
Name: mymonitor-role  
Labels: <none>  
Annotations: <none>  
PolicyRule:  
Resources  
-----  
deployment [] [list]  
pods [] [list]  
  
C:\Users\ESHWAR\yaml>kubect1 config use-context mykannacontext  
Switched to context "mykannacontext".  
  
C:\Users\ESHWAR\yaml>kubect1 get deploy -n testing  
Error from server (Forbidden): deployments.apps is forbidden: User '  
  
C:\Users\ESHWAR\yaml>kubect1 get deployment -n testing  
Error from server (Forbidden): deployments.apps is forbidden: User '  
  
C:\Users\ESHWAR\yaml>kubect1 get deployment -n testing

myrole - Notepad

File Edit Format View Help  
**apiVersion: rbac.authorization.k8s.io/v1**  
**kind: Role**  
**metadata:**  
**namespace: testing**  
**name: mymonitor-role**  
**rules:**  
**- apiGroups: [ "" ]**  
**resources: [ "pods" , "deployments" ]**  
**verbs: [ "list" ]**

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