

Command Prompt

```
nginx-deployment-95585b474 1 1 1 21m
```

```
C:\Users\DELL\Desktop\yamlconfig>kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
nginx-deployment-95585b474-x4gkw    1/1     Running   0          21m
```

```
C:\Users\DELL\Desktop\yamlconfig>kubectl logs nginx-deployment-95585b474-x4gkw
```

```
C:\Users\DELL\Desktop\yamlconfig>kubectl apply -f deploy.yml
deployment.apps/nginx-deployment unchanged
```

```
C:\Users\DELL\Desktop\yamlconfig>kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
nginx-deployment-95585b474-x4gkw    1/1     Running   0          22m
```

```
C:\Users\DELL\Desktop\yamlconfig>kubectl logs nginx-deployment-95585b474-x4gkw
```

```
C:\Users\DELL\Desktop\yamlconfig>
```



Type here to search



02:42 PM

26-04-2023



Microsoft Windows [Version 10.0.19043.928]  
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```
C:\Users\DELL>minikube start
* minikube v1.30.1 on Microsoft Windows 10 Home Single Language 10.0.19043.928 Build 19043.928
* Automatically selected the docker driver. Other choices: virtualbox, ssh
* Using Docker Desktop driver with root privileges
* Starting control plane node minikube in cluster minikube
* Pulling base image ...
* Downloading Kubernetes v1.26.3 preload ...
  > preloaded-images-k8s-v18-v1...: 397.02 MiB / 397.02 MiB 100.00% 1.95 Mi
  > gcr.io/k8s-minikube/kicbase...: 373.53 MiB / 373.53 MiB 100.00% 1.39 Mi
* Creating docker container (CPUs=2, Memory=3000MB) ...
! Executing "docker ps -a --format {{.Names}}" took an unusually long time: 7.7175683s
* Restarting the docker service may improve performance.
* Preparing Kubernetes v1.26.3 on Docker 23.0.2 ...
  - Generating certificates and keys ...
  - Booting up control plane ...
  - Configuring RBAC rules ...
* Configuring bridge CNI (Container Networking Interface) ...
  - Using image gcr.io/k8s-minikube/storage-provisioner:v5
* Verifying Kubernetes components...
* Enabled addons: default-storageclass, storage-provisioner
* Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
```

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```

Command Prompt

```
C:\Users\DELL>
C:\Users\DELL>
C:\Users\DELL>minikube version
minikube version: v1.30.1
commit: 08896fd1dc362c097c925146c4a0d0dac715ace0
```

```
C:\Users\DELL>kubectl config
Modify kubeconfig files using subcommands like "kubectl config set current-context my-context"
```

The loading order follows these rules:

1. If the --kubeconfig flag is set, then only that file is loaded. The flag may only be set once and no merging takes place.
2. If \$KUBECONFIG environment variable is set, then it is used as a list of paths (normal path delimiting rules for your system). These paths are merged. When a value is modified, it is modified in the file that defines the stanza. When a value is created, it is created in the first file that exists. If no files in the chain exist, then it creates the last file in the list.
3. Otherwise, \${HOME}/.kube/config is used and no merging takes place.

Available Commands:

current-context	Display the current-context
delete-cluster	Delete the specified cluster from the kubeconfig
delete-context	Delete the specified context from the kubeconfig
delete-user	Delete the specified user from the kubeconfig
get-clusters	Display clusters defined in the kubeconfig
get-contexts	Describe one or many contexts
get-users	Display users defined in the kubeconfig
rename-context	Rename a context from the kubeconfig file
set	Set an individual value in a kubeconfig file
set-cluster	Set a cluster entry in kubeconfig
set-context	Set a context entry in kubeconfig
set-credentials	Set a user entry in kubeconfig
unset	Unset an individual value in a kubeconfig file
use-context	Set the current-context in a kubeconfig file
view	Display merged kubeconfig settings or a specified kubeconfig file

Usage:

```
kubectl config SUBCOMMAND [options]
```

Use "kubectl <command> --help" for more information about a given command.

Use "kubectl options" for a list of global command-line options (applies to all commands).

```
C:\Users\DELL>
```

```
C:\Users\DELL>kubectl get pod
No resources found in default namespace.
```

```
C:\Users\DELL>kubectl get service
NAME          TYPE        CLUSTER-IP   EXTERNAL-IP   PORT(S)    AGE
kubernetes    ClusterIP   10.96.0.1    <none>        443/TCP    12m
```

```
C:\Users\DELL>kubectl create deployment nginx-server --image=nginx
deployment.apps/nginx-server created
```

```
C:\Users\DELL>kubectl get deployment
NAME          READY   UP-TO-DATE   AVAILABLE   AGE
nginx-server   0/1     1            0           17s
```

```
C:\Users\DELL>kubectl get pod
NAME                                READY   STATUS             RESTARTS   AGE
nginx-server-5d47b874fc-nn454       0/1     ImagePullBackOff    0           42s
```

```
C:\Users\DELL>kubectl get replicaset
NAME                                DESIRED   CURRENT   READY   AGE
nginx-server-5d47b874fc            1         1         0       66s
```

```
C:\Users\DELL>kubectl describe deploymentnginx-server
error: the server doesn't have a resource type "deploymentnginx-server"
```

```
C:\Users\DELL>kubectl describe deployment nginx-server
Name:          nginx-server
Namespace:     default
CreationTimestamp: Wed, 26 Apr 2023 13:39:43 +0530
Labels:        app=nginx-server
Annotations:    deployment.kubernetes.io/revision: 1
Selector:      app=nginx-server
Replicas:      1 desired | 1 updated | 1 total | 0 available | 1 unavailable
StrategyType:  RollingUpdate
MinReadySeconds: 0
RollingUpdateStrategy: 25% max unavailable, 25% max surge
Pod Template:
  Labels:  app=nginx-server
  Containers:
    nginx:
      Image:      nginx
      Port:       <none>
      Host Port:  <none>
```



Type here to search



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26-04-2023





# Command Prompt

Type	Reason	Age	From	Message
Normal	ScalingReplicaSet	2m18s	deployment-controller	Scaled up replica set nginx-server-5d47b874fc to 1

C:\Users\DELL>kubectl describe pod  
 error: unknown command "describe" for "kubectl"

Did you mean this?  
 describe

C:\Users\DELL>kubectl describe pod

```

Name:          nginx-server-5d47b874fc-nn454
Namespace:     default
Priority:       0
Service Account: default
Node:          minikube/192.168.49.2
Start Time:    Wed, 26 Apr 2023 13:39:44 +0530
Labels:        app=nginx-server
               pod-template-hash=5d47b874fc
Annotations:   <none>
Status:        Pending
IP:            10.244.0.3
IPs:
IP:            10.244.0.3
Controlled By: ReplicaSet/nginx-server-5d47b874fc
Containers:
  nginx:
    Container ID:
    Image:         nginx
    Image ID:
    Port:          <none>
    Host Port:     <none>
    State:         Waiting
      Reason:      ImagePullBackOff
    Ready:         False
    Restart Count: 0
    Environment:   <none>
    Mounts:
      /var/run/secrets/kubernetes.io/serviceaccount from kube-api-access-vkv9s (ro)

```

Conditions:

Type	Status
Initialized	True
Ready	False
ContainersReady	False

Tolerations: node.kubernetes.io/not-ready:NoExecute op=Exists for 300s  
node.kubernetes.io/unreachable:NoExecute op=Exists for 300s

Events:  
Type Reason Age From Message

Normal  
Normal  
Warning  
Warning  
Warning  
Warning  
Normal

C:\Users\DE

kubectl-edit-2719495858 - Notepad

File Edit Format View Help

# Please edit the object below. Lines beginning with a '#' will be ignored,  
# and an empty file will abort the edit. If an error occurs while saving this file will be  
# reopened with the relevant failures.  
#

```
apiVersion: apps/v1
kind: Deployment
metadata:
  annotations:
    deployment.kubernetes.io/revision: "1"
  creationTimestamp: "2023-04-26T08:09:43Z"
  generation: 1
  labels:
    app: nginx-server
  name: nginx-server
  namespace: default
  resourceVersion: "979"
  uid: e198d52e-3452-4cd8-b08f-c47eded310c7
spec:
  progressDeadlineSeconds: 600
  replicas: 1
  revisionHistoryLimit: 10
  selector:
    matchLabels:
      app: nginx-server
```

Ln 1, Col 1

100%

Windows (CRLF)

UTF-8

Command Prompt

```

Normal    Scheduled    3m2s          default-scheduler    Successfully assigned default/nginx-server-5d47b874fc-nn454 to minikube
Normal    Pulling        65s (x4 over 2m59s)    kubelet              Pulling image "nginx"
Warning   Failed         59s (x4 over 2m49s)    kubelet              Failed to pull image "nginx": rpc error: code = Unknown desc = Error response from daemon: pull access denied for nginx, repository does not exist or may require 'docker login': denied: requested access to the resource is denied
Warning   Failed         59s (x4 over 2m49s)    kubelet              Error: ErrImagePull
Warning   Failed         46s (x6 over 2m48s)    kubelet              Error: ImagePullBackOff
Normal    BackOff        32s (x7 over 2m48s)    kubelet              Back-off pulling image "nginx"

C:\Users\DELL>kubectl edit deployment

C:\Users\DELL>kubectl get pod
NAME                                READY   STATUS             RESTARTS   AGE
nginx-server-5d47b874fc-nn454        0/1     ImagePullBackOff    0           5m21s

C:\Users\DELL>kubectl logs nginx-server-5d47b874fc-nn454
Error from server (BadRequest): container "nginx" in pod "nginx-server-5d47b874fc-nn454" is waiting to start: trying and failing to pull image

C:\Users\DELL>kubectl exec -it nginx-server-5d47b874fc-nn454
error: you must specify at least one command for the container

C:\Users\DELL>kubectl exec -it nginx-server-5d47b874fc-nn454 -- bin/bash
error: unable to upgrade connection: container not found ("nginx")

C:\Users\DELL>kubectl edit deployment
deployment.apps/nginx-server edited

C:\Users\DELL>

C:\Users\DELL>kubectl get pod
NAME                                READY   STATUS             RESTARTS   AGE
nginx-server-5d47b874fc-hqdxj        0/1     ErrImagePull        0           15s
nginx-server-5d47b874fc-nn454        0/1     ImagePullBackOff    0           7m57s

C:\Users\DELL>kubectl logs nginx-server-5d47b874fc-hqdxj
Error from server (BadRequest): container "nginx" in pod "nginx-server-5d47b874fc-hqdxj" is waiting to start: trying and failing to pull image

C:\Users\DELL>kubectl exec -it nginx-server-5d47b874fc-hqdxj --bin/bash
error: unknown flag: --bin/bash
See 'kubectl exec --help' for usage.

C:\Users\DELL>kubectl exec -it nginx-server-5d47b874fc-hqdxj -- bin/bash
error: unable to upgrade connection: container not found ("nginx")

C:\Users\DELL>

```



```
C:\Users\DELL>kubectl delete deployment nginx-server
deployment.apps "nginx-server" deleted
```

```
C:\Users\DELL>kubectl get pods
No resources found in default namespace.
```

```
C:\Users\DELL>kubectl get deployment
No resources found in default namespace.
```

```
C:\Users\DELL>kubectl get services
NAME         TYPE        CLUSTER-IP   EXTERNAL-IP   PORT(S)    AGE
kubernetes   ClusterIP   10.96.0.1    <none>        443/TCP    24m
```

```
C:\Users\DELL>cd desktop
```

```
C:\Users\DELL\Desktop>kubectl apply -f deploy.yml
error: the path "deploy.yml" does not exist
```

```
C:\Users\DELL\Desktop>cd yamlconfig
```

```
C:\Users\DELL\Desktop\yamlconfig>kubectl apply -f deploy.yml
error: error parsing deploy.yml: error converting YAML to JSON: yaml: line 19: mapping values are not allowed in this context
```

```
C:\Users\DELL\Desktop\yamlconfig>kubectl apply -f deploy.yml
deployment.apps/nginx-deployment created
```

```
C:\Users\DELL\Desktop\yamlconfig>kubectl apply -f service.yml
error: resource mapping not found for name: "nginx-deployment" namespace: "" from "service.yml": no matches for kind "Service" in version "apps/v1"
ensure CRDs are installed first
```

```
C:\Users\DELL\Desktop\yamlconfig>kubectl apply -f service.yml
error: resource mapping not found for name: "nginx-Service" namespace: "" from "service.yml": no matches for kind "Service" in version "apps/v1"
ensure CRDs are installed first
```

```
C:\Users\DELL\Desktop\yamlconfig>kubectl get pods
NAME                                READY   STATUS    RESTARTS   AGE
nginx-deployment-95585b474-x4gkw    1/1     Running   0          3m51s
```

```
C:\Users\DELL\Desktop\yamlconfig>kubectl get services
NAME         TYPE        CLUSTER-IP   EXTERNAL-IP   PORT(S)    AGE
kubernetes   ClusterIP   10.96.0.1    <none>        443/TCP    56m
```

```
C:\Users\DELL\Desktop\yamlconfig>
```





