

```
root@fatimzehra-750QFG:~# # Télécharger directement le binaire Minikube
curl -LO https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64
sudo install minikube-linux-amd64 /usr/local/bin/minikube
```

% Total		% Received		% Xferd		Average Speed		Time		Time		Current
						Dload	Upload	Total	Spent	Left	Speed	
100	126M	100	126M	0	0	19.2M	0	0:00:06	0:00:06	--:--:--	22.3M	

```
root@fatimzehra-750QFG:~#
```

```
fatimzehra@fatimzehra-750QFG:~$ minikube addons enable dashboard
W0708 17:26:26.790869 111331 main.go:291] Unable to resolve the current Docker CLI context "default": context "default": context not found: open /home/fatimzehra/.docker/contexts/meta/37a8eec1ce19687d132fe29051dca629d164e2c4958ba141d5f4133a33f0688f/meta.json: no such file or directory
W0708 17:26:26.790946 111331 main.go:292] Try running `docker context use default` to resolve the above error
💡 dashboard is an addon maintained by Kubernetes. For any concerns contact minikube on GitHub.
You can view the list of minikube maintainers at: https://github.com/kubernetes/minikube/blob/master/OWNERS
■ Using image docker.io/kubernetesui/dashboard:v2.7.0
■ Using image docker.io/kubernetesui/metrics-scrapecr:v1.0.8
💡 Some dashboard features require the metrics-server addon. To enable all features please run:

    minikube addons enable metrics-server

🌟 The 'dashboard' addon is enabled
fatimzehra@fatimzehra-750QFG:~$ kubectl version
Client Version: v1.30.14
Kustomize Version: v5.0.4-0.20230601165947-6ce0bf390ce3
Server Version: v1.33.1
WARNING: version difference between client (1.30) and server (1.33) exceeds the supported minor version skew of +/-1
fatimzehra@fatimzehra-750QFG:~$ export KUBECONFIG=/tmp/config
fatimzehra@fatimzehra-750QFG:~$ kubectl config view
apiVersion: v1
clusters: null
contexts: null
current-context: ""
kind: Config
preferences: {}
users: null
fatimzehra@fatimzehra-750QFG:~$ kubectl config set-cluster my-cluster --server=127.0.0.1:8087
Cluster "my-cluster" set.
fatimzehra@fatimzehra-750QFG:~$ kubectl config get-clusters
NAME
my-cluster
fatimzehra@fatimzehra-750QFG:~$ kubectl config set-credentials FATI --token=Py93bt12mT
User "FATI" set.
fatimzehra@fatimzehra-750QFG:~$ kubectl config set-credentials FATI --username=redhat-username --password=redhat-password
User "FATI" set.
fatimzehra@fatimzehra-750QFG:~$ kubectl config set-credentials INAS --client-certificate=redhat-certificate.crt --client-key=redhat-key.key
User "INAS" set.
fatimzehra@fatimzehra-750QFG:~$ kubectl config get-users
NAME
FATI
INAS
```

```
Context "my-context" created.
fatimzehra@fatimzehra-750QFG:~$ kubectl config set-context --current --cluster=my-cluster --user=my-user
Context "minikube" modified.
fatimzehra@fatimzehra-750QFG:~$ kubectl config set-context --current --cluster=my-cluster --user=my-user
Context "minikube" modified.
fatimzehra@fatimzehra-750QFG:~$ minikube status
W0708 18:31:55.189318 166799 main.go:291] Unable to resolve the current Docker CLI context "default"
: context "default": context not found: open /home/fatimzehra/.docker/contexts/meta/37a8eec1ce19687d1
32fe29051dca629d164e2c4958ba141d5f4133a33f0688f/meta.json: no such file or directory
W0708 18:31:55.189393 166799 main.go:292] Try running `docker context use default` to resolve the above error
minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured
fatimzehra@fatimzehra-750QFG:~$ kubectl config set-context minikube --cluster=minikube --user=minikube
Context "minikube" modified.
fatimzehra@fatimzehra-750QFG:~$ minikube update-context
W0708 18:34:58.754255 169568 main.go:291] Unable to resolve the current Docker CLI context "default"
: context "default": context not found: open /home/fatimzehra/.docker/contexts/meta/37a8eec1ce19687d1
32fe29051dca629d164e2c4958ba141d5f4133a33f0688f/meta.json: no such file or directory
W0708 18:34:58.754327 169568 main.go:292] Try running `docker context use default` to resolve the above error
😞 No changes required for the "minikube" context
💖 Current context is "minikube"
fatimzehra@fatimzehra-750QFG:~$ kubectl get nodes
NAME          STATUS    ROLES          AGE    VERSION
minikube      Ready     control-plane  71m    v1.33.1
fatimzehra@fatimzehra-750QFG:~$
```



```
fatimzehra@fatimzehra-750QFG:~$ kubectl get pods
No resources found in default namespace.
fatimzehra@fatimzehra-750QFG:~$ kubectl create deployment hello-world --image=gcr.io/google-samples/hello-app:1.0
deployment.apps/hello-world created
fatimzehra@fatimzehra-750QFG:~$ kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
hello-world-ffb8999bd-rd6dk	1/1	Running	0	8s

```
fatimzehra@fatimzehra-750QFG:~$
```

```
fatimzehra@fatimzehra-750QFG:~$ kubectl get pods
No resources found in default namespace.
fatimzehra@fatimzehra-750QFG:~$ kubectl create deployment hello-world --image=gcr.io/google-samples/hello-app:1.0
deployment.apps/hello-world created
fatimzehra@fatimzehra-750QFG:~$ kubectl get pods
```

NAME	READY	STATUS	RESTARTS	AGE
hello-world-ffb8999bd-rd6dk	1/1	Running	0	8s

```
fatimzehra@fatimzehra-750QFG:~$
```

```
fatimzehra@fatimzehra-750QFG:~$ kubectl namespace user-dev
error: unknown command "namespace" for "kubectl"
fatimzehra@fatimzehra-750QFG:~$ kubectl create namespace user-dev
namespace/user-dev created
fatimzehra@fatimzehra-750QFG:~$ kubectl config set-context --current --namespace=user-dev
Context "minikube" modified.
fatimzehra@fatimzehra-750QFG:~$ kubectl config view --minify | grep namespace
  namespace: user-dev
fatimzehra@fatimzehra-750QFG:~$
```

```
# With ServerRoot set to "/www" will be interpreted by the
bash-4.4$ grep "ServerAdmin" /etc/httpd/conf/httpd.conf
# ServerAdmin: Your address, where problems with the server should be
ServerAdmin root@localhost
bash-4.4$ █
```

```
fatimzehra@fatimzehra-750QFG:~$ kubectl delete pod webserver
pod "webserver" deleted
fatimzehra@fatimzehra-750QFG:~$ kubectl run webserver --image=registry.access.redhat.com/ubi8/httpd-24:1-161
pod/webserver created
fatimzehra@fatimzehra-750QFG:~$ kubectl exec --stdin --tty webserver -- /bin/bash
error: Internal error occurred: unable to upgrade connection: container not found ("webserver")
fatimzehra@fatimzehra-750QFG:~$ kubectl get pods
NAME          READY   STATUS    RESTARTS   AGE
webserver     1/1     Running   0           8m22s
fatimzehra@fatimzehra-750QFG:~$ kubectl exec --stdin --tty webserver -- /bin/bash
bash-4.4$ cat /usr/local/apache2/conf/httpd.conf
cat: /usr/local/apache2/conf/httpd.conf: No such file or directory
bash-4.4$ find / -name "httpd.conf" 2>/dev/null
/etc/httpd/conf/httpd.conf
/usr/lib/tmpfiles.d/httpd.conf
bash-4.4$ cat /etc/httpd/conf/httpd.conf
```



```
fatimzehra@fatimzehra-750QFG:~$ kubectl create namespace fati2890-dev
namespace/fati2890-dev created
fatimzehra@fatimzehra-750QFG:~$ kubectl run probes --image=quay.io/redhattraining/do100-probes:latest --dry-run=client -o yaml
apiVersion: v1
kind: Pod
metadata:
  creationTimestamp: null
  labels:
    run: probes
  name: probes
spec:
  containers:
  - image: quay.io/redhattraining/do100-probes:latest
    name: probes
    resources: {}
  dnsPolicy: ClusterFirst
  restartPolicy: Always
status: {}
fatimzehra@fatimzehra-750QFG:~$ kubectl create -f probes-pod.yml
pod/probes created
fatimzehra@fatimzehra-750QFG:~$
```

```
fatimzehra@fatimzehra-750QFG:~$ kubectl create -f probes-pod.yml
Error from server (AlreadyExists): error when creating "probes-pod.yml": pods "probes" already exists
```

```
fatimzehra@fatimzehra-750QFG:~$ kubectl describe pod probes -n fati2890-dev
```

```
Name: probes
Namespace: fati2890-dev
Priority: 0
Service Account: default
Node: minikube/192.168.39.192
Start Time: Tue, 08 Jul 2025 19:30:38 +0200
Labels: app=do100-probes
Annotations: <none>
Status: Running
IP: 10.244.0.15
IPs:
  IP: 10.244.0.15
```

```
fatimzehra@fatimzehra-750QFG:~$ kubectl create deployment do100-versioned-hello --image quay.io/redhatter/raining/do100-versioned-hello:v1.0
deployment.apps/do100-versioned-hello created
fatimzehra@fatimzehra-750QFG:~$ kubectl get pods -w
NAME                                READY   STATUS    RESTARTS   AGE
do100-versioned-hello-55997d9ccc-rkgv9  1/1     Running   0           17s
^Cfatimzehra@fatimzehra-750QFG:~$ kubectl describe deployment do100-versioned-hello
Name:                                do100-versioned-hello
Namespace:                          user-dev
CreationTimestamp:                   Tue, 08 Jul 2025 19:49:19 +0200
Labels:                              app=do100-versioned-hello
Annotations:                         deployment.kubernetes.io/revision: 1
Selector:                            app=do100-versioned-hello
Replicas:                            1 desired | 1 updated | 1 total | 1 available | 0 unavailable
StrategyType:                        RollingUpdate
MinReadySeconds:                     0
RollingUpdateStrategy:               25% max unavailable, 25% max surge
Pod Template:
  Labels:  app=do100-versioned-hello
  Containers:
    do100-versioned-hello:
```

```
fatimzehra@fatimzehra-750QFG:~$ kubectl get deployment do100-versioned-hello -o yaml
apiVersion: apps/v1
kind: Deployment
metadata:
  annotations:
    deployment.kubernetes.io/revision: "1"
  creationTimestamp: "2025-07-08T17:49:19Z"
  generation: 1
  labels:
    app: do100-versioned-hello
  name: do100-versioned-hello
  namespace: user-dev
  resourceVersion: "8947"
  uid: 5be09208-8a7f-4c0a-b03e-328bdf23df84
spec:
  progressDeadlineSeconds: 600
  replicas: 1
  revisionHistoryLimit: 10
  selector:
    matchLabels:
      app: do100-versioned-hello
  strategy:
    rollingUpdate:
      maxSurge: 25%
      maxUnavailable: 25%
    type: RollingUpdate
  template:
    metadata:
      creationTimestamp: null
      labels:
        app: do100-versioned-hello
```


user-dev	do100-versioned-hello-55997d9ccc-rkgv9	1/1	Running	0	15m
user-dev	do100-versioned-hello-55997d9ccc-znthq	1/1	Running	0	13m
user-dev	do100-versioned-hello-55997d9ccc-cfsx6	0/1	Pending	0	0s
user-dev	do100-versioned-hello-55997d9ccc-gvq94	0/1	Pending	0	0s
user-dev	do100-versioned-hello-55997d9ccc-c7w4l	0/1	Pending	0	0s
user-dev	do100-versioned-hello-55997d9ccc-cfsx6	0/1	Pending	0	0s
user-dev	do100-versioned-hello-55997d9ccc-gvq94	0/1	Pending	0	0s
user-dev	do100-versioned-hello-55997d9ccc-c7w4l	0/1	Pending	0	0s
user-dev	do100-versioned-hello-55997d9ccc-cfsx6	0/1	ContainerCreating	0	0s
user-dev	do100-versioned-hello-55997d9ccc-gvq94	0/1	ContainerCreating	0	0s
user-dev	do100-versioned-hello-55997d9ccc-c7w4l	0/1	ContainerCreating	0	0s
user-dev	do100-versioned-hello-55997d9ccc-c7w4l	1/1	Running	0	1s
user-dev	do100-versioned-hello-55997d9ccc-cfsx6	1/1	Running	0	1s
user-dev	do100-versioned-hello-55997d9ccc-gvq94	1/1	Running	0	1s

user-dev	do100-versioned-hello-55997d9ccc-gvq94	1/1	Running	0	1s
user-dev	do100-versioned-hello-55997d9ccc-zmthq	1/1	Terminating	0	14m
user-dev	do100-versioned-hello-55997d9ccc-c7w4l	1/1	Terminating	0	81s
user-dev	do100-versioned-hello-55997d9ccc-gvq94	1/1	Terminating	0	81s
user-dev	do100-versioned-hello-55997d9ccc-cfsx6	1/1	Terminating	0	81s
user-dev	do100-versioned-hello-55997d9ccc-rkgv9	1/1	Terminating	0	17m

```
root@fatimzehra-750QFG:~# ps -au | grep kubelet
root      306489  1.5  0.5 2953836 82944 pts/5    Sl   21:38   0:01 kubelet --pod-manifest-path /etc/kubernetes/manifests/
root      309717  0.0  0.0  11628   2304 pts/5    S+   21:40   0:00 grep --color=auto kubelet
root@fatimzehra-750QFG:~#
```