

Administrator: Windows PowerShell

```
S C:\Windows\system32> New-Item -Path 'c:\' -Name 'minikube' -ItemType Directory -Force
> Invoke-WebRequest -OutFile 'c:\minikube\minikube.exe' -Uri 'https://github.com/kubernetes/minikube/releases/latest/download/minikube-windows-amd64.exe' -UseBasicParsing
>
```

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Writing web request
Writing request stream... (Number of bytes written: 6351068)

Directory: C:\

Mode                LastWriteTime         Length Name
----                -
d-----          1/15/2024   9:53 PM              minikube
```

```
PS C:\Windows\system32> minikube start
W0115 21:56:55.545661 10924 main.go:291] Unable to resolve the current Docker CLI context "default": context "default"
: context not found: open C:\Users\robin\.docker\contexts\meta\37a8eec1ce19687d132fe29051dca629d164e2c4958ba141d5f4133a3
3f0688f\meta.json: The system cannot find the path specified.
* minikube v1.32.0 on Microsoft Windows 10 Home Single Language 10.0.19045.3930 Build 19045.3930
* Automatically selected the docker driver. Other choices: hyperv, ssh
* Using Docker Desktop driver with root privileges
* Starting control plane node minikube in cluster minikube
* Pulling base image ...
* Downloading Kubernetes v1.28.3 preload ...
  > preloaded-images-k8s-v18-v1...: 403.35 MiB / 403.35 MiB 100.00% 18.03 M
  > gcr.io/k8s-minikube/kicbase...: 453.90 MiB / 453.90 MiB 100.00% 16.43 M
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* Creating docker container (CPUs=2, Memory=2200MB) ...
! Executing "docker ps -a --format {{.Names}}" took an unusually long time: 3.3325711s
* Restarting the docker service may improve performance.
* Preparing Kubernetes v1.28.3 on Docker 24.0.7 ...
  - 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: storage-provisioner, default-storageclass
* Done! kubectl is now configured to use "minikube" cluster and "default" namespace by default
PS C:\Windows\system32>
```

```
PS C:\Windows\system32> curl.exe -LO "https://dl.k8s.io/release/v1.29.0/bin/windows/amd64/kubect1.exe"
% Total    % Received % Xferd Average Speed   Time    Time     Time  Current
           Dload  Upload   Total     Spent    Left     Speed
100  138    100  138     0     0     93       0  0:00:01  0:00:01 --:--:--    93
47 48.6M    47 23.0M     0     0 4512k       0  0:00:11  0:00:05  0:00:06 7141k
```

```
PS C:\Windows\system32> kubectl version --client
Client Version: v1.29.0
Kustomize Version: v5.0.4-0.20230601165947-6ce0bf390ce3
PS C:\Windows\system32>
```

```
PS C:\Windows\system32> kubectl get po -A
```

NAMESPACE	NAME	READY	STATUS	RESTARTS	AGE
kube-system	coredns-5dd5756b68-zthb7	1/1	Running	1 (5m11s ago)	6m36s
kube-system	etcd-minikube	1/1	Running	1 (5m12s ago)	6m47s
kube-system	kube-apiserver-minikube	1/1	Running	1 (5m5s ago)	6m47s
kube-system	kube-controller-manager-minikube	1/1	Running	1 (5m15s ago)	6m47s
kube-system	kube-proxy-jwszp	1/1	Running	1 (5m16s ago)	6m36s
kube-system	kube-scheduler-minikube	1/1	Running	1 (5m12s ago)	6m47s
kube-system	storage-provisioner	1/1	Running	3 (4m32s ago)	6m43s

```
PS C:\Windows\system32> █
```

```
PS C:\Windows\system32> kubectl create deployment hello-minikube --image=kicbase/echo-server:1.0
deployment.apps/hello-minikube created
PS C:\Windows\system32>
```



127.0.0.1:63470

127.0.0.1:63470

Request served by hello-minikube-7f54cff968-nj2d8

HTTP/1.1 GET /

Host: 127.0.0.1:63470

Accept: text/html,application/xhtml+xml,application/xml;q=0.9,image/

Accept-Encoding: gzip, deflate, br

Accept-Language: en-US,en

Connection: keep-alive

Sec-Ch-Ua: "Not\_A Brand";v="8", "Chromium";v="120", "Brave";v="120"

Sec-Ch-Ua-Mobile: ?0

Sec-Ch-Ua-Platform: "Windows"

Sec-Fetch-Dest: document

Sec-Fetch-Mode: navigate

Sec-Fetch-Site: none

Sec-Fetch-User: ?1

Sec-Gpc: 1

Upgrade-Insecure-Requests: 1

User-Agent: Mozilla/5.0 (Windows NT 10.0; Win64; x64) AppleWebKit/537

Administrator: Windows PowerShell

PS C:\Windows\system32> kubectl expose deployment hello-minikube --type=NodePort --port=8080  
service/hello-minikube exposed  
PS C:\Windows\system32> kubectl get services hello-minikube  
NAME TYPE CLUSTER-IP EXTERNAL-IP PORT(S) AGE  
hello-minikube NodePort 10.96.175.73 <none> 8080:31414/TCP 12s  
PS C:\Windows\system32> minikube service hello-minikube  
W0115 22:08:55.114487 16132 main.go:291] Unable to resolve the current Docker CLI context "default": context "default" not found: open C:\Users\robin\.docker\contexts\meta\37a8eec1ce19687d132fe29051dca629d164e2c4958ba141d5f4133f0688f\meta.json: The system cannot find the path specified.  
\* Starting tunnel for service hello-minikube.  
NAMESPACE NAME TARGET PORT URL  
default hello-minikube 8080 http://192.168.49.2:31414  
\* Opening service default/hello-minikube in default browser...  
! Because you are using a Docker driver on windows, the terminal needs to be open to run it.