

Minikube Installation

Reference website

<https://minikube.sigs.k8s.io/docs/start/?arch=%2Flinux%2Fx86-64%2Fstable%2Fbinary+download>

Launch Instance with **t3.xlarge** instance type

▼ Instance type [Info](#) | [Get advice](#)

Instance type

t2.large

Family: t2 2 vCPU 8 GiB Memory Current generation: true
On-Demand Windows base pricing: 0.1272 USD per Hour
On-Demand SUSE base pricing: 0.1992 USD per Hour
On-Demand Linux base pricing: 0.0992 USD per Hour
On-Demand RHEL base pricing: 0.128 USD per Hour

[Additional costs apply for AMIs with pre-installed software](#)

Install docker with script docker.sh

```
minikube start --driver=docker
```

```
#!/bin/bash
```

```
sudo apt-get update
```

```
sudo apt-get install ca-certificates curl -y
```

```
sudo install -m 0755 -d /etc/apt/keyrings
```

```
sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc
```

```
sudo chmod a+r /etc/apt/keyrings/docker.asc
```

```
echo \
```

```
"deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc]
```

```
https://download.docker.com/linux/ubuntu \
```

```
$(. /etc/os-release && echo "$VERSION_CODENAME") stable" | \
```

```
sudo tee /etc/apt/sources.list.d/docker.list > /dev/null
```

```
sudo apt-get update
```

```
sudo apt-get install docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin -y
```

Give Executable permission to other & execute

```
sudo chmod o+x docker.sh
```

```
sudo ./docker.sh
```

```
ubuntu@ip-172-31-34-130:~$ docker info
Client: Docker Engine - Community
Version: 27.3.1
Context: default
Debug Mode: false
Plugins:
  buildx: Docker Buildx (Docker Inc.)
    Version: v0.17.1
    Path: /usr/libexec/docker/cli-plugins/docker-buildx
  compose: Docker Compose (Docker Inc.)
    Version: v2.29.7
    Path: /usr/libexec/docker/cli-plugins/docker-compose
```

To install the latest minikube **stable** release on **x86-64 Linux** using **binary download**:

\$ curl -LO <https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64>

```
ubuntu@ip-172-31-34-130:~$ curl -LO https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           Dload  Upload   Total   Spent    Left     Speed
100 99.0M  100 99.0M    0     0  9.7M      0  0:00:10  0:00:10 --:--:-- 12.0M
```

\$ sudo install minikube-linux-amd64 /usr/local/bin/minikube && rm minikube-linux-amd64

\$ minikube start

Note – it showing driver error so enter given command

```
ubuntu@ip-172-31-34-130:~$ minikube start
* minikube v1.34.0 on Ubuntu 24.04 (xen/amd64)
* Unable to pick a default driver. Here is what was considered, in preference order:
  - docker: Not healthy: "docker version --format {{.Server.Os}}-{{.Server.Version}}:{{.Server.Platform.Name}}" exit status 1: p
e trying to connect to the Docker daemon socket at unix:///var/run/docker.sock: Get "http://%2Fvar%2Frun%2Fdocker.sock/v1.47/ver
/run/docker.sock: connect: permission denied
  - docker: Suggestion: Add your user to the 'docker' group: 'sudo usermod -aG docker $USER && newgrp docker' <https://docs.dock
/linux-postinstall/>
* Alternatively you could install one of these drivers:
  - kvm2: Not installed: exec: "virsh": executable file not found in $PATH
  - podman: Not installed: exec: "podman": executable file not found in $PATH
  - qemu2: Not installed: exec: "qemu-system-x86_64": executable file not found in $PATH
  - virtualbox: Not installed: unable to find VBoxManage in $PATH
X Exiting due to DRV_NOT_HEALTHY: Found driver(s) but none were healthy. See above for suggestions how to fix installed drivers.
```

\$ sudo usermod -aG docker \$USER && newgrp docker

\$ minikube start

Finally check minikube status-

\$ minikube status

```
ubuntu@ip-172-31-34-130:~$ minikube status
minikube
type: Control Plane
host: Running
kubelet: Running
apiserver: Running
kubeconfig: Configured
```