



Minikube



Minikube

1.

Rocky Linux

```
#  
sudo dnf update -y  
sudo dnf install -y curl wget conntrack  
  
# Kubernetes  
sudo swapoff -a  
sudo sed -i 's/^(\.*)$/#\1/g' /etc/fstab
```

2. Docker

```
# Docker  
sudo dnf config-manager --add-repo https://download.docker.com/linux/centos/docker-ce.repo  
  
# Docker  
sudo dnf install -y docker-ce docker-ce-cli containerd.io  
  
#  
sudo systemctl enable --now docker  
  
# docker  
sudo usermod -aG docker $USER  
newgrp docker #  
  
#  
docker run hello-world
```

3. Minikube kubectl

```
# 安装 kubectl
curl -LO "https://dl.k8s.io/release/$(curl -L -s https://dl.k8s.io/release/stable.txt)/bin/linux/amd64/kubectl"
chmod +x kubectl
sudo mv kubectl /usr/local/bin/

# 安装 Minikube
curl -LO https://storage.googleapis.com/minikube/releases/latest/minikube-linux-amd64
sudo install minikube-linux-amd64 /usr/local/bin/minikube

# 验证安装
minikube version
kubectl version --client
```

4. 安装 Minikube

```
# 使用 Docker 驱动安装 Minikube
minikube start --driver=docker \
  --image-repository=registry.cn-hangzhou.aliyuncs.com/google_containers \
  --registry-mirror=https://registry.cn-hangzhou.aliyuncs.com

minikube start \
  --image-repository=quay.mirrors.ustc.edu.cn/google-containers \
  --driver=docker

minikube start \
  --image-repository=registry.cn-hangzhou.aliyuncs.com/google_containers \
  --driver=docker

# 验证安装
minikube status
kubectl get nodes
```

7. 部署 Nginx

```
# 部署 Nginx
kubectl create deployment nginx --image=nginx:1.25-alpine
```

```
# ❷ Service
kubectl expose deployment nginx --type=NodePort --port=80
```

```
# ❸❹❺ URL
minikube service nginx --url

# ❻❼❺❻
minikube service nginx
```

8. ❸❹❺❻

```
# ❶❷❸❹❺❻
kubectl get all -A

# ❷❸ Nginx ❷❸
curl $(minikube service nginx --url)
```

9. ❸❹❺❻❷❸

❷❸	❷❸
❸❹❺❻	<code>minikube pause</code>
❸❹❺❻	<code>minikube unpause</code>
❸❹❺❻	<code>minikube stop</code>
❸❹❺❻	<code>minikube delete</code>
❸❹❺❻	<code>minikube addons list</code>
❷❸ Ingress	<code>minikube addons enable ingress</code>

10. ❸❹❺❻❷❸❹❺❻

Nginx ❸❹❺❻

```
# ❷❸ Pod ❷❸
kubectl logs -l app=nginx

# ❸❹❺❻
kubectl rollout restart deployment nginx
```

Minikube

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minikube logs

--	--	--	--

minikube delete

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



1. Minikube  Kubernetes 
2. Kubernetes Dashboard 
3. Nginx 

[illegible]

- ☐ minikube addons enable metrics-server ☐
- ☐ Helm ☐
- ☐ PV/PVC ☐

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