

MiniKube

[download](#)

```
paru -S kubectl minikube kompose
```

Install Minikube

<https://minikube.sigs.k8s.io/docs/start/>

Install minikube

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

Install Kubectl

```
curl -LO "https://dl.k8s.io/release/$(curl -L -s  
https://dl.k8s.io/release/stable.txt)/bin/linux/amd64/kubectl"  
sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl
```

```
minikube start
```

Run PostgreSQL server and Pgadmin on minikube

Deploy Postgres

1. Create configuration file (.yaml)
2. kubectl apply -f <filename.yaml>
3. Create PersistentVolumeClaim file (.yaml)
4. kubectl apply -f <filename.yaml>
5. Create deployment file (.yaml)
6. kubectl apply -f <filename.yaml>
7. Create service file (.yaml)
8. kubectl apply -f <filename.yaml>

Deploy Pgadmin

<https://www.enterprisedb.com/blog/how-deploy-pgadmin-kubernetes>

1. Create configuration file (.yaml)
2. kubectl apply -f <filename.yaml>
3. Create service file (.yaml)
4. kubectl apply -f <filename.yaml>

5. Create StatefulSet file (.yaml)
6. kubectl apply -f <filename.yaml>

Connect pgadmin to server

```
minikube service <NamePgadminService>
```

1. Login Pgadmin
2. Server -> Properties
3. Change host name/address to Postgres service name
4. Change username to one set in postgres config file
5. Change port (if not default) to ContainerPort (not Minikube service port)
6. Connect to server

From:

<https://wiki.csgalileo.org/> - **Galileo Labs**

Permanent link:

<https://wiki.csgalileo.org/tips/minikube?rev=1632744863>

Last update: **2021/09/27 14:14**

