Terraform K3d

Sunday, October 29, 2023

5:48 AM

# Last updated 10/29/2023

[Docs overview | SneakyBugs/k3d | Terraform | Terraform Registry](https://registry.terraform.io/providers/SneakyBugs/k3d/latest/docs)

mkdir k3d\_postgres

cd k3d\_postgres

nvim main.tf

terraform init

terraform plan

terraform apply

k3d cluster list

NAME SERVERS AGENTS LOADBALANCER

example 1/1 0/0 true

kubefirst 1/1 3/3 true

kubectl cluster-info

Kubernetes control plane is running at <https://0.0.0.0:36455>

CoreDNS is running at <https://0.0.0.0:36455/api/v1/namespaces/kube-system/services/kube-dns:dns/proxy>

Metrics-server is running at <https://0.0.0.0:36455/api/v1/namespaces/kube-system/services/https:metrics-server:https/proxy>

To further debug and diagnose cluster problems, use 'kubectl cluster-info dump'.

kubectl get pods -A

NAMESPACE NAME READY STATUS RESTARTS AGE

kube-system local-path-provisioner-957fdf8bc-t49tw 1/1 Running 0 2m13s

kube-system coredns-77ccd57875-zkg24 1/1 Running 0 2m13s

kube-system helm-install-traefik-crd-m2vz4 0/1 Completed 0 2m13s

kube-system helm-install-traefik-9khgc 0/1 Completed 1 2m13s

kube-system svclb-traefik-e2796b65-6jzvt 2/2 Running 0 114s

kube-system metrics-server-648b5df564-lc9fw 1/1 Running 0 2m13s

default postgres-postgresql-0 1/1 Running 0 2m6s

kube-system traefik-64f55bb67d-lmff2 1/1 Running 0 114s

kubectl exec -it postgres-postgresql-0 -- sh

$ ps -Alf

F S UID PID PPID C PRI NI ADDR SZ WCHAN STIME TTY TIME CMD

4 S 1001 1 0 0 80 0 - 52540 - 13:18 ? 00:00:00 /opt/bitnami/postgresql/bin/postgres -D /bitnami/p

1 S 1001 126 1 0 80 0 - 52540 - 13:18 ? 00:00:00 postgres: checkpointer

1 S 1001 127 1 0 80 0 - 52540 - 13:18 ? 00:00:00 postgres: background writer

1 S 1001 129 1 0 80 0 - 52540 - 13:18 ? 00:00:00 postgres: walwriter

1 S 1001 130 1 0 80 0 - 52933 - 13:18 ? 00:00:00 postgres: autovacuum launcher

1 S 1001 131 1 0 80 0 - 52903 - 13:18 ? 00:00:00 postgres: logical replication launcher

4 S 1001 486 0 0 80 0 - 620 do\_wai 13:22 pts/0 00:00:00 sh

4 R 1001 506 486 0 80 0 - 2440 - 13:22 pts/0 00:00:00 ps -Alf

terraform destroy

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