doctl DigitalOcean CLI

CONCEPTS

> Add -o json for scripts, or --format ID,Name,PublicIPv4 --no-header to pick columns.

auth init token in a context
↓ `compute / kubernetes / databases`
Create resource slugs for region, size, image
↓ `list / get -o json`
Use it ssh, kubeconfig, connection

> Region, size and image are slugs: look them up with the compute region, size and image list commands.

> Deleting asks for confirmation; add --force (-f) in scripts, and double-check the context first.

AUTH AND CONTEXTS

`doctl` **auth init**
Authenticate with a personal access token

`doctl` **auth init --context** *<name>*
Add a named context for another account

`doctl` **auth switch --context** *<name>*
Switch the active context

`doctl` **account get**
Show account and droplet limit

OUTPUT

-o json
Print JSON instead of a table

--format ID,Name,PublicIPv4
Choose columns

--no-header
Drop the header row for scripts

DROPLETS

`doctl` **compute droplet list**
List Droplets

`doctl` **compute droplet create** *<name>* **--image** *<slug>* **--size** *<slug>* **--region** *<slug>*
Create a Droplet

DROPLETS (cont.)

`doctl` **compute droplet get** *<droplet>*
Show details of a Droplet

`doctl` **compute droplet delete** *<droplet>*
Delete a Droplet

`doctl` **compute droplet create ... --wait**
Block until the Droplet is ready

`doctl` **compute droplet create ... --ssh-keys** *<id-or-fingerprint>*
Add SSH keys

`doctl` **compute ssh** *<droplet>*
SSH into a Droplet

LOOKUPS

`doctl` **compute region list**
Region slugs

`doctl` **compute size list**
Size slugs and prices

KUBERNETES

`doctl` **kubernetes cluster list**
List clusters

`doctl` **kubernetes cluster create** *<name>* **--region** *<slug>*
Create a cluster

`doctl` **kubernetes cluster kubeconfig save** *<cluster>*
Add the cluster to ~/.kube/config

`doctl` **kubernetes cluster delete** *<cluster>*
Delete a cluster

DATABASES

`doctl` **databases list**
List database clusters

`doctl` **databases get** *<db-id>*
Show a cluster

`doctl` **databases connection** *<db-id>*
Show connection details

`doctl` **databases create** *<name>* **--engine** *<pg|mysql|redis>* **--region** *<slug>*
Create a cluster

DATABASES (cont.)

`doctl` **databases firewalls list** *<db-id>*
List trusted sources

`doctl` **databases firewalls append** *<db-id>* **--rule** *<type>:<value>*
Allow a source

DOMAINS AND FIREWALLS

`doctl` **compute domain list**
List domains

`doctl` **compute domain create** *<domain>*
Add a domain

`doctl` **compute domain records list** *<domain>*
List DNS records

`doctl` **compute domain records create** *<domain>* **--record-type A --record-name** *<name>* **--record-data** *<ip>*
Add a DNS record

`doctl` **compute firewall list**
List cloud firewalls

RECIPES

New Droplet and log in

```
doctl compute ssh-key list --
format ID,Name
doctl compute droplet create web1
--image ubuntu-24-04-x64 \
  --size s-1vcpu-1gb --region
nyc1 --ssh-keys <key-id> --wait
doctl compute ssh web1
```

Droplet IPs for scripts

```
doctl compute droplet list --tag-
name web \
  --format PublicIPv4 --no-header
```

Cluster to kubectl

```
doctl kubernetes cluster list
doctl kubernetes cluster
kubeconfig save <cluster>
kubectl get nodes
```

Point a name at a Droplet

```
IP=$(doctl compute droplet get
web1 --format PublicIPv4 --no-
header)
doctl compute domain records
create example.com \
  --record-type A --record-name
www --record-data "$IP"
```