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"
```