flyctl Fly.io CLI

START HERE

`fly auth login`
Log in in the browser

`fly logs`
Stream app logs

`fly launch`
Create app and fly.toml

`fly secrets set <NAME>=<value>`
Store a secret

`fly deploy`
Build and release the app

`fly ssh console`
Shell into a Machine

`fly status`
Machines and health

`fly scale count <n>`
Run n Machines

launch app + fly.toml → `deploy` → **Release** image, rolling update → `Machines` → **Machines** run in regions → `logs / ssh / scale`

CONCEPTS

fly and flyctl are the same binary. Most commands read the app name from fly.toml in the current directory; use -a <app> elsewhere.

fly deploy builds on a remote builder by default; --local-only uses your Docker daemon.

Setting or unsetting secrets redeploys the app unless you pass --stage; apply staged ones with fly secrets deploy.

ACCOUNT AND APPS

`fly auth login`
Log in via the browser

`fly auth whoami`
Show the logged-in user

`fly auth token`
Print an API token

`fly apps list`
List your apps

`fly apps create <name>`
Create an app without deploying

`fly apps destroy <name>`
Delete an app

`fly apps restart <name>`
Restart all Machines of an app

`fly platform regions`
List region codes

`fly doctor`
Diagnose flyctl and connectivity

LAUNCH AND DEPLOY

`fly launch`
Detect project, create app and fly.toml

`fly launch --no-deploy`
Configure only, deploy later

`fly launch --name <app> --region <code>`
Choose name and region

`fly deploy`
Build and deploy from the current directory

`fly deploy -a <app>`
Deploy a specific app

`fly deploy -c <file>`
Use another config file

`fly deploy --image <image>`
Deploy a prebuilt image

LAUNCH AND DEPLOY (cont.)

`fly deploy --local-only`
Build with the local Docker daemon

`fly deploy --strategy <name>`
rolling, canary, bluegreen or immediate

`fly deploy --build-arg <NAME>=<value>`
Pass a build argument

`fly deploy --regions <a,b>`
Limit to machines in these regions

`fly deploy --detach`
Return without watching the rollout

`fly deploy --ha=false`
Skip the extra standby Machine

STATUS AND LOGS

`fly status`
App, Machines and their state

`fly logs`
Stream logs

`fly logs --no-tail`
Print buffered logs and exit

`fly logs --machine <id>`
Logs of one Machine

`fly logs --region <code>`
Logs of one region

`fly logs --json`
Logs as JSON

`fly releases`
Release history

`fly open`
Open the app in a browser

`fly dashboard`
Open the web dashboard

SECRETS

`fly secrets set <NAME>=<value>`
Set encrypted secrets
Triggers a redeploy unless --stage is given.

`fly secrets list`
Names and digests, never values

`fly secrets unset <NAME>`
Remove a secret

`fly secrets set --stage <NAME>=<value>`
Stage without redeploying

SECRETS (cont.)

`fly secrets deploy`
Apply staged secrets

`fly secrets import < <file>`
Set many from NAME=VALUE lines on stdin

MACHINES AND SCALING

`fly scale count <n>`
Set the number of Machines

`fly scale show`
Current VM size and count

`fly scale vm <size>`
Change size, e.g. shared-cpu-1x

`fly scale memory <mb>`
Set memory

`fly machine list`
List Machines

`fly machine status <id>`
Detail of one Machine

`fly machine stop <id>`
Stop a Machine

`fly machine start <id>`
Start a Machine

`fly machine restart <id>`
Restart a Machine

`fly machine destroy <id>`
Delete a Machine

`fly machine clone <id>`
Copy a Machine, e.g. into another region

`fly machine update <id>`
Change a Machine's config

`fly machine exec <id> <cmd>`
Run a command on a Machine

`fly machine run <image>`
Start a one-off Machine

ACCESS AND DEBUGGING

`fly ssh console`
Interactive shell on a Machine

`fly ssh console -C <cmd>`
Run one command

`fly ssh console --machine <id>`
Pick a specific Machine

`fly ssh console -s`
Choose from a list

`fly proxy <local>:<remote>`
Tunnel a local port to the app
Reaches Machines over WireGuard, e.g. a private database.

ACCESS AND DEBUGGING (cont.)

`fly proxy 5433:5432 <host>`
Forward to a specific host

VOLUMES

`fly volumes create <name> -r <code> -s <gb>`
Create a volume

`fly volumes list`
List volumes

`fly volumes show <id>`
Volume details

`fly volumes extend <id> -s <gb>`
Grow a volume

`fly volumes snapshots list <id>`
List snapshots

`fly volumes fork <id>`
Copy a volume

`fly volumes destroy <id>`
Delete a volume

DOMAINS AND IPS

`fly certs add <domain>`
Request a TLS certificate

`fly certs check <domain>`
Check DNS and certificate state

`fly certs list`
List certificates

`fly ips list`
Show allocated IPs

`fly ips allocate-v4`
Allocate a dedicated IPv4

RECIPES

First deploy

```
fly auth login
fly launch --no-deploy
fly secrets set
DATABASE_URL=<url>
fly deploy
fly status
```

Persistent data

```
fly volumes create data -r
<code> -s 3
# fly.toml: [mounts] source =
"data", destination = "/data"
fly deploy
```

Custom domain

```
fly certs add example.com
fly certs check example.com
# add the DNS records it prints
```

Debug a running app

```
fly logs --no-tail
fly ssh console -C "ls /app"
fly proxy 5433:5432
```