# flyctl Fly.io CLI

**START HERE**

**`fly auth login`**
Log in in the browser

**`fly launch`**
Create app and fly.toml

**`fly deploy`**
Build and release the app

**`fly status`**
Machines and health

**`fly logs`**
Stream app logs

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

**`fly ssh console`**
Shell into a Machine

**`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 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

## ACCOUNT AND APPS (cont.)

**`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

**`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

## LAUNCH AND DEPLOY (cont.)

**`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 releases`**
Release history

**`fly open`**
Open the app in a browser

## 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

## SECRETS (cont.)

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

**`fly secrets deploy`**
Apply staged secrets

## 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

## 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 ssh sftp shell`**
SFTP session to a Machine

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

**`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 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 certs remove <domain>`**
Remove a certificate

**`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
```