# Netlify CLI Deploy from the terminal

## CONCEPTS

A plain netlify deploy makes a draft with its own URL; only --prod changes the live site.

**Local folder** .netlify/state.json
↓ `netlify deploy`
**Draft deploy** unique URL
↓ `--prod`
**Production** live site
↓ `netlify watch`
**Deploy finished** status in terminal

netlify deploy builds first by default; pass --no-build when the output already exists.

In CI, authenticate with the NETLIFY_AUTH_TOKEN variable and pick the project with --site or NETLIFY_SITE_ID.

## SETUP

**`npm i -g netlify-cli`**
Install the CLI

**`netlify login`**
Sign in via browser

**`netlify link`**
Link folder to an existing project

**`netlify init`**
Set up continuous deployment

**`netlify link --name <name>`**
Link by project name

**`netlify link --id <id>`**
Link by project ID

**`netlify sites:create --name <name>`**
Create an empty project

**`netlify unlink`**
Unlink this folder

**`netlify status`**
Show login and linked project

## LOCAL DEV

**`netlify dev`**
Run the site with functions locally

**`netlify dev --port <port>`**
Use another port

**`netlify dev --command "<cmd>"`**
Set the framework dev command

## LOCAL DEV (cont.)

**`netlify dev --live`**
Share a public tunnel URL

**`netlify serve`**
Production build, served locally

**`netlify build`**
Run the build locally

**`netlify build --context deploy-preview`**
Build with preview env vars

## DEPLOY

**`netlify deploy`**
Deploy a draft

**`netlify deploy --prod`**
Deploy to production

**`netlify deploy --dir <path>`**
Folder to publish

**`netlify deploy --functions <folder>`**
Functions folder to ship

**`netlify deploy --no-build`**
Skip the build step

**`netlify deploy --message "<msg>"`**
Note in the deploy log

**`netlify deploy --alias <name>`**
Predictable draft subdomain

**`netlify deploy --json`**
Print deploy data as JSON

**`netlify deploy --prod-if-unlocked`**
Prod if unlocked, else draft

**`netlify deploy --site <name-or-id>`**
Target a specific project

**`netlify watch`**
Wait for a deploy to finish

## ENV VARS

**`netlify env:list`**
List variables

**`netlify env:get <name>`**
Print one value

**`netlify env:set <name> <value>`**
Set a variable

**`netlify env:unset <name>`**
Remove a variable

## ENV VARS (cont.)

**`netlify env:import <file>`**
Load variables from a .env file

**`netlify env:set <name> <value> --context production`**
Limit to a deploy context

**`netlify env:set <name> <value> --secret`**
Make the value unreadable later

**`netlify env:list --context <context>`**
List one context (default dev)

## FUNCTIONS

**`netlify functions:create <name>`**
Scaffold a new function

**`netlify functions:list`**
List local functions

**`netlify functions:invoke <name>`**
Call a function in netlify dev

**`netlify functions:invoke <name> --payload '<json>'`**
Send a JSON body

**`netlify functions:serve`**
Serve functions only

## LOGS & PROJECTS

**`netlify logs`**
Recent function logs (10 min)

**`netlify logs --follow`**
Stream logs live

**`netlify logs --since <time>`**
Widen the time window

**`netlify logs --function <name>`**
Only one function

**`netlify logs --source deploy --deploy-id <id>`**
Build logs of a deploy

**`netlify sites:list`**
List your projects

## GLOBAL OPTIONS

**`--site <name-or-id>`**
Run against another project

**`--auth <token>`**
Authenticate with a token

**`netlify help <command>`**
Help for one command