# GitHub CLI

GitHub from the terminal

## CONCEPTS

Inside a git clone, gh picks the repo from the remotes. Elsewhere add -R <owner>/<repo>.

**Branch** local commits
↓ gh pr create
**Pull request** review and checks
↓ gh pr merge
**Merged** base branch
↓ gh run watch
**Actions run** CI and deploy

## AUTH AND SETUP

**gh auth login**
Sign in interactively

**gh auth status**
Show who you are signed in as

## REPOSITORIES

**gh repo clone** *<owner>*/*<repo>*
Clone a repository

**gh repo create** *<name>* **--public --clone**
Create a repo and clone it

**gh repo create** *<name>* **--private --source=. --push**
Publish the current folder

**gh repo view --web**
Open the repo in the browser

## PULL REQUESTS

**gh pr create --fill**
Open a PR with title from commits

**gh pr create --draft --title "***<t>***" --body "***<b>***"**
Open a draft PR

**gh pr list**
List open PRs

**gh pr view** *<number>*
Show a PR

**gh pr checkout** *<number>*
Check out a PR branch

**gh pr status**
PRs that involve you

**gh pr checks --watch**
Watch CI checks on this PR

## PULL REQUESTS (cont.)

**gh pr review --approve**
Approve a PR

**gh pr merge --squash --delete-branch**
Squash-merge and clean up

## ISSUES

**gh issue list**
List open issues

**gh issue create --title "***<t>***" --body "***<b>***"**
File an issue

**gh issue view** *<number>*
Show an issue

**gh issue list --assignee @me**
Issues assigned to you

## ACTIONS

**gh run list**
Recent workflow runs

**gh run view** *<run-id>*
Summary of a run

**gh run watch**
Follow a run live

**gh run view** *<run-id>* **--log-failed**
Logs of failed steps only

**gh run rerun** *<run-id>* **--failed**
Rerun only failed jobs

**gh workflow run** *<workflow>* **-f** *<key>*=*<value>*
Trigger a workflow_dispatch

## RELEASES AND GISTS

**gh release create** *<tag>* **--generate-notes**
Publish a release

## API AND SCRIPTING

**gh api repos/{owner}/{repo}/issues**
GET a REST endpoint

**gh api** *<endpoint>* **--jq '***<expr>***'**
Filter the response with jq

**gh api** *<endpoint>* **--paginate**
Fetch every page