

Referensi Cepat GitHub CLI

Repo, issue, PR, action, rilis, API

Setup

Instalasi

```
brew install gh          macOS via Homebrew
sudo apt install gh     Debian / Ubuntu
winget install GitHub.cli Windows via winget
conda install gh        Via conda-forge
```

Autentikasi

```
gh auth login           # interactive login
gh auth login --with-token < token.txt
gh auth status          # check auth state
gh auth refresh -s repo,gist # add scopes
```

Konfigurasi

```
gh config set editor vim
gh config set pager less
gh config set git_protocol ssh
gh config list
```

Repo

Perintah Repository

```
gh repo create my-app --public --clone
gh repo clone owner/repo
gh repo fork owner/repo --clone
gh repo view owner/repo --web
```

Opsi Repo

```
--public | --private      Atur visibilitas repository
--template owner/repo     Buat dari template repo
--clone                   Clone setelah membuat
--add-readme              Inisialisasi dengan README
gh repo list owner        Tampilkan repo untuk owner
gh repo delete owner/repo Hapus repository (dengan konfirmasi)
gh repo rename new-name   Ganti nama repo saat ini
gh repo archive owner/repo Arsipkan repository
```

Issue

Mengelola Issue

```
gh issue create --title "Bug" --body "Details here"
gh issue list --state open --label bug
gh issue view 42
gh issue close 42 --reason completed
```

Opsi Issue

```
--assignee @me           Tetapkan ke diri sendiri
--label bug,urgent       Tambah label
--milestone v2.0         Atur milestone
--project "Board"        Tambah ke project
gh issue edit 42         Edit issue secara interaktif
gh issue reopen 42       Buka kembali issue yang ditutup
gh issue comment 42 -b "msg" Tambah komentar ke issue
gh issue pin 42          Pin issue ke repo
```

Pull Request

Membuat & Mengelola PR

```
gh pr create --title "feat: add auth" --body "..."
gh pr create --fill      # title/body from commits
gh pr list --state open
gh pr view 123 --web
```

Review & Merge

```
gh pr checkout 123      # check out PR branch
gh pr diff 123          # view PR diff
gh pr review 123 --approve
gh pr merge 123 --squash --delete-branch
```

Opsi PR

```
--draft                  Buat sebagai draft PR
--reviewer user1,user2  Minta reviewer
--base main              Atur base branch
--merge | --squash | --rebase Strategi merge
--auto                  Aktifkan auto-merge saat checks lulus
--delete-branch         Hapus branch setelah merge
gh pr ready 123         Tandai draft PR sebagai siap
```

Actions

Perintah Workflow

```
gh run list             # recent runs
gh run view 12345      # run details
gh run view 12345 --log-failed # failed step logs
gh run watch 12345     # live status
```

Memericu & Mengelola

```
gh workflow run deploy.yml --ref main
gh workflow list
gh workflow view deploy.yml
gh run rerun 12345 --failed # rerun failed jobs
```

Opsi Actions

```
-f key=value            Teruskan input ke workflow_dispatch
--json                 Output sebagai JSON
-b branch              Filter berdasarkan branch
gh run download 12345  Unduh artifact run
gh cache list          Tampilkan cache Actions
gh cache delete KEY    Hapus entri cache
```

Rilis

Mengelola Rilis

```
gh release create v1.0.0 --generate-notes
gh release create v1.0.0 ./dist/*.tar.gz
gh release list
gh release view v1.0.0
```

Opsi Rilis

```
--title "Release v1.0"  Atur judul rilis
--notes "Changelog here" Atur catatan rilis secara inline
--notes-file CHANGELOG.md Catatan dari file
--generate-notes        Buat catatan otomatis dari commit
--draft                 Buat sebagai draft
--prerelease           Tandai sebagai prerelease
--latest               Tandai sebagai rilis terbaru
gh release download v1.0.0 Unduh aset rilis
gh release delete v1.0.0 Hapus rilis
gh release edit v1.0.0  Edit metadata rilis
```

Gist

Perintah Gist

```
gh gist create file.py -d "My snippet"
gh gist create file1.js file2.js # multi-file gist
gh gist list
gh gist view <id>
```

Opsi Gist

```
-d "description"      Atur deskripsi gist
--public              Buat gist publik (default: secret)
--web                 Buka gist di browser
gh gist edit <id>    Edit file gist
gh gist clone <id>   Clone gist secara lokal
gh gist delete <id>  Hapus gist
```

API

Memanggil API

```
gh api repos/owner/repo
gh api repos/owner/repo/issues --method POST \
-f title="Bug" -f body="Details"
gh api graphql -f query='{ viewer { login } }'
```

Format Output

```
gh api repos/owner/repo --jq '.stargazers_count'
gh api repos/owner/repo --template '{{.full_name}}'
gh pr list --json number,title --jq '.[].title'
```

Opsi API

```
--method GET|POST|PUT|DELETE HTTP method
-f key=value                  Set field string
-F key=@file                 Set field dari file
--jq 'expression'           Filter JSON dengan sintaks jq
--template 'tmpl'           Format dengan Go template
--paginate                  Ambil semua halaman
-H 'Accept: ...'            Set header kustom
```

Alias

Mengelola Alias

```
gh alias set co 'pr checkout'
gh alias set bugs 'issue list --label bug'
gh alias set last 'run list -L 1'
gh alias list
```

Alias Lanjutan

```
# Alias with shell command
gh alias set --shell pv 'gh pr view --json url --jq .url | pbcopy'

# Delete alias
gh alias delete co
```

Tips Alias

```
gh alias set name 'cmd'  Buat alias sederhana
--shell                 Alias berjalan via shell (mendukung pipe)
gh alias list           Tampilkan semua alias yang didefinisikan
gh alias delete name    Hapus alias
```

Pola Umum

Alur Kerja Harian

```
gh issue list --assignee @me # my open issues
gh pr status                 # PRs needing attention
gh pr checks 123            # CI status for PR
gh run list -b main -L 5    # recent CI runs
```

Pencarian

```
gh search repos --language rust --stars ">1000"
gh search issues --repo owner/repo "memory leak"
gh search prs --state open --review required
```

Referensi Cepat GitHub CLI

Flag Berguna

<code>--json field1,field2</code>	Output field tertentu sebagai JSON
<code>--jq 'expr'</code>	Filter output JSON
<code>-L N</code>	Batasi hasil ke N item
<code>--web</code>	Buka hasil di browser
<code>-R owner/repo</code>	Target repository tertentu
<code>GH_TOKEN=xxx</code>	Auth via environment variable