

Git + GitHub Releases – One Page Cheat Sheet

Goal

Use GitHub repos only for small files (README, scripts, notes) and GitHub Releases for large artifacts (1–2 GB tar files such as U-Boot, rootfs, images).

One-time Setup

- `git config --global user.name "Your Name"`
- `git config --global user.email "you@example.com"`
- `git config --global core.editor vim`
- `git config --global credential.helper store`
- `sudo apt install gh`
- `gh auth login`

Create Resources Repository

- `mkdir my-resources && cd my-resources`
- `git init`
- `echo -e "*.\n*.tar\n*.tar.gz\n*.tar.xz" > .gitignore`
- `vim README.md`
- `git add README.md .gitignore`
- `git commit -m "Initial commit: resources repository"`
- `git remote add origin https://github.com//my-resources.git`
- `git push -u origin master`

Upload Large Tar via GitHub Releases (Terminal)

- `git tag v2025.10`
- `git push origin v2025.10`
- `gh release create v2025.10 u-boot-v2025.10.tar.gz \`
- `--title "U-Boot v2025.10 Resources" \`
- `--notes "U-Boot source snapshot"`

Get Download Link

```
gh release view v2025.10 --json assets -q '.assets[].browser_download_url'
```

Rules to Remember

- Do NOT commit .tar/.img files into Git
- Always use GitHub Releases for large files
- One version = one release
- Never overwrite release assets