

GIT CHEAT SHEET

5. REVIEW YOUR WORK

\$ git log [-n count]

List commit history of current branch. -n count limits list to last n commits.

\$ git log --oneline --graph --decorate

An overview with references labels and history graph. One commit per line.

\$ git log ref..

List commits that are present on current branch and not merged into **ref**. A **ref** can be e.g. a branch name or a tag name.

\$ git log ..ref

List commit, that are present on ref and not merged into current branch.

\$ git reflog

List operations (like checkouts, commits etc.) made on local repository.

8. SYNCHRONIZING REPOSITORIES

\$ git fetch [remote]

Fetch changes from the **remote**, but not update tracking branches.

\$ git fetch --prune [remote]

Remove remote refs, that were removed from the **remote** repository.

\$ git pull [remote]

Fetch changes from the **remote** and merge current branch with its upstream.

\$ git push [--tags] [remote]

Push local changes to the **remote**. Use **--tags** to push tags.

\$ git push -u [remote] [branch]

Push local branch to **remote** repository. Set its copy as an upstream.

And this is the past. Here was chaos,

where no **version control** was used.

Don't live in chaos!

Use Git!

6. TAGGING KNOWN COMMITS

\$ git tag

List all tags.

\$ git tag [name] [commit sha]

Create a tag reference named **name** for current commit. Add **commit sha** to tag a specific commit instead of current one.

\$ git tag -a [name] [commit sha]

Create a tag object named **name** for current commit

\$ git tag -d [name]

Remove a tag from a local repository.

7. REVERTING CHANGES

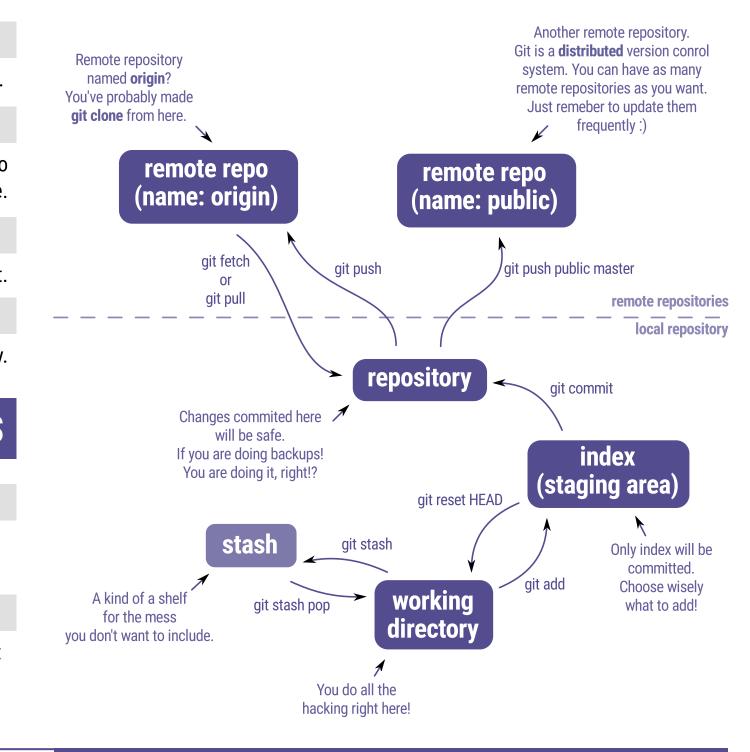
\$ git reset [--hard] [target reference]

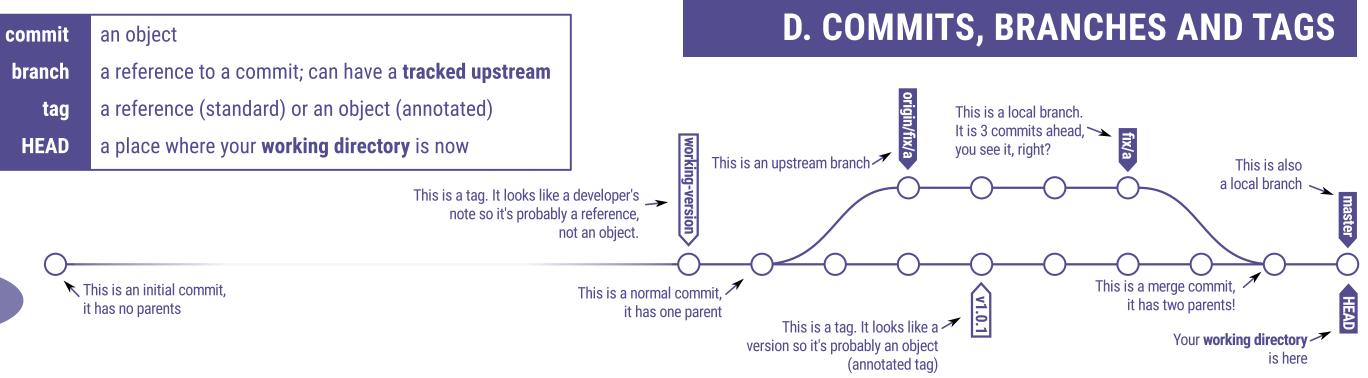
Switch current branch to the **target reference**, and leaves a difference as an uncommitted changes. When **--hard** is used, all changes are discarded.

\$ git revert [commit sha]

Create a new commit, reverting changes from the specified commit. It generates an **inversion** of changes.

C. THE ZOO OF WORKING AREAS





Collaborating on GitLab