

Git Commands

SETUP AND CONFIGURATION

1. git: git is a distributed version control system for code management.

Options: -v, -h, -P, -p

Usage: git add [file names]

git clone [git repository URL]

2. config: Helps in setting up the repository and global options.

Options: -replace-all, -get, -add

Usage: git config -global user.name [username]

git config -list

3. help: Provides help information about Git.

Options: -a, -c, -g

Usage: git help -all

git status -help

GETTING AND CREATING PROJECTS

1. init: Initialize an empty git repository or reinitialize an existing one.

Options: -q, -bare

Usage: git init

2. clone: Get the remote repository into the directory

Options: -l, -s

Usage: git clone [git repository URL]

BASIC SNAPSHOTTING

1. add
2. status
3. diff
4. commit
5. reset

BRANCHING AND MERGING

1. branch
2. checkout

3. merge
4. log
5. stash
6. workspace

SHARING AND UPDATING

1. fetch
2. pull
3. push
4. remote

INSPECTION AND COMPARISON

1. show: shows one or more things [commits, tags. etc]
Options: -format=[oneline — short — medium — full, -pretty]
Usage: git show -oneline
2. log: provide commit info
Options: -source, -full-diff
Usage: git log

PATCHING

1. apply
2. cherry-pick
3. rebase
4. revert

DEBUGGING

1. grep: Find matching pattern
Options: -a, -i
Usage: git grep -i [text]

GUIDES

1. gitignore: Intentionally untrack some files
Usage: *.exe [.gitignore]

EMAIL

1. request-pull: Get pending changes summary.
Options: -p
Usage: git request-pull [version number] [URL] [branch name]

EXTERNAL SYSTEMS

1. svn: Operate between Subversion repository and git.
Options: -s, --no-metadata, --parent
Usage: git svn rebase

ADMINISTRATION

1. clean
2. filter-branch
3. archive
4. bundle

SERVER ADMIN

1. daemon: A git repository server.
Options: --export-all, --base-path
Usage: git daemon --export-all --base-path=.
2. update-server-info: To help dumb server update auxiliary info file.
Options: -f
Usage: git update-server-info

PLUMBING COMMANDS

1. commit-tree
2. show-ref
3. update-index
4. revert