

# 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
2. log

## PATCHING

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

## DEBUGGING

1. grep

## GUIDES

1. git ignore

## EMAIL

1. request-pull

## EXTERNAL SYSTEMS

1. svn

## **ADMINISTRATION**

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

## **SERVER ADMIN**

1. daemon
2. update-server-info

## **PLUMBING COMMANDS**

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