



GIT COMMANDS

EVERYTHING YOU NEED



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git init

git init

Initialize a new Git repository



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git clone

git clone

<https://github.com/username/repository.git>

Clone a repository into a new directory



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git add

git add README.md

Add file contents to the index



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git mv

git mv file_from file_to

Move or rename a file, a directory, or
a symlink



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git rm

git rm filename

Remove files from the working tree
and from the index



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git commit

git commit -m "Commit message"

Record changes to the repository



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git status

git status

Show the working tree status



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git branch

git branch -a

List, create, or delete branches



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git checkout

git checkout branch_name

Switch branches or restore working
tree files



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git merge

git merge feature

Join two or more development histories together



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git rebase

git rebase master

Reapply commits on top of another
base tip



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git tag

*git tag -a v1.4 -m "my
version 1.4"*

Create, list, delete or verify a tag
object signed with GPG



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git fetch

git fetch origin

Download objects and refs from
another repository



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git pull

git pull origin master

Fetch from and integrate with
another repository or a local branch



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git push

git push origin master

Update remote refs along with
associated objects



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git stash

git stash save "work in progress"

Stash the changes in a dirty working directory away



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git log

git log --oneline

Show commit logs



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git diff

git diff HEAD~1

Show changes between commits,
commit and working tree, etc



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git reset

git reset --hard HEAD~1

Reset current HEAD to the specified
state



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git remote

git remote -v

Manage set of tracked repositories



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git submodule

git submodule update --init

Initialize, update or inspect
submodules



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git bisect

git bisect start

Use binary search to find the commit
that introduced a bug



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git grep

git grep "foo()"

Print lines matching a pattern



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git cherry-pick

git cherry-pick 4a20915

Apply the changes introduced by
some existing commits



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git revert

git revert 3e6b2a1

Revert some existing commits



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git archive

*git archive --format=tar
master*

Create an archive of files from a
named tree



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git clean

git clean -f

Remove untracked files from the
working tree



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git describe

git describe --tags HEAD

Show the most recent tag that is
reachable from a commit



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git show

git show v1.2.1

Show various types of objects



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git config

git config user.name "John Doe"

Get and set repository or global options



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git ls-tree

git ls-tree HEAD

List the contents of a tree object



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git cat-file

git cat-file -p 2b5bfdf

Provide content or type and size
information for repository objects



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git merge-tree

git merge-tree

4b825dc642cb6eb9a060e54

bf8d69288fbbee4904 show the changes between two tree objects



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git verify-tag

git verify-tag v1.4.0

Verify the GPG signature of a tag



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git blame

git blame README.md

Show what revision and author last modified each line of a file



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git rev-parse

git rev-parse HEAD

Parse revision (or other objects)
identifiers



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git shortlog

git shortlog

Summarize 'git log' output



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git show-ref

git show-ref --heads

List references in a local repository



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git pack-refs

git pack-refs --all

Pack heads and tags for efficient
repository access



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git filter-branch

git filter-branch --env-filter

Rewrite branches



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git reflog

git reflog show master

Show reflog information



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git rebase --

interactive

git rebase --interactive

HEAD~3

Rebase commits interactively



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git remote

rename

git remote rename origin

upstream

Rename a remote



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git bundle

*git bundle create
repo.bundle HEAD master*

Move objects and refs by archive



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git fsck

git fsck

Verifies the connectivity and validity
of the objects in the database



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git prune

git prune

Prune all unreachable objects from
the object database



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git count-objects

git count-objects -vH

Count unpacked number of objects
and their disk consumption



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git repack

git repack -a -d

Pack unpacked objects in a repository



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git replace

git replace

5b5b025afb0b4c913b4c338a

42934a3863bf3644
Replace an object with another
object



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