

# GIT COMMANDS

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## Git Configuration

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Command	Description
<code>git config --global user.name "&lt;USERNAME&gt;"</code>	Configure the user name.
<code>git config --global user.email "&lt;EMAIL&gt;"</code>	Configure the email address.
<code>git config --global core.editor "&lt;any text editor&gt;"</code>	Configure a specific text editor.
<code>git config --list</code>	Show the current configuration.

# Git on Local Control

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## Git initial

Command	Description
<code>git init</code>	Create a local repository.
<code>git status</code>	Show the repository status.

## Git add

Command	Description
<code>git add &lt;FILE&gt;</code>	Add a file to the staging area.
<code>git add .</code>	Add all files to the staging area.

## Git commit

Command	Description
<code>git commit &lt;PATHFILE&gt; -m "&lt;MSG&gt;"</code>	Commit a file.
<code>git commit -m "&lt;MSG&gt;"</code>	Commit all files.
<code>git commit -am "&lt;MSG&gt;"</code>	Add and commit all files.

## Git list

Command	Description
<code>git ls-files</code>	Show repository files.
<code>git ls-lrt</code>	Show branch files.

## Git log

Command	Description
<code>git log</code>	Show commits record.
<code>git log --oneline</code>	Show each log event in one line.
<code>git log &lt;BRANCHNAME&gt;</code>	Show commits record of a branch.
<code>git log --oneline &lt;BRANCHNAME&gt;</code>	Show commits record of a branch in one line.
<code>git log --graph</code>	Show each log referent to a branch.

## Git branch

Command	Description
<code>git branch</code>	Show branches.
<code>git branch -a</code>	Show all branches.
<code>git branch &lt;BRANCHNAME&gt;</code>	Add a branch.
<code>git switch &lt;BRANCH&gt;</code>	Move between branches.
<code>git branch -d &lt;BRANCHNAME&gt;</code>	Remove a local branch.
<code>git branch --cached &lt;BRANCHNAME&gt;</code>	Remove a file from the repository.

## Git check-out

Command	Description
<code>git checkout</code>	Show the current branch.
<code>git checkout &lt;BRANCH&gt;</code>	Add and switch to a new branch.
<code>git checkout--&lt;FILENAME&gt;</code>	Revert changes before a commit.

## Git difference

Command	Description
<code>git diff &lt;FILENAME&gt;</code>	Show differences between the file and its snapshot.
<code>git diff &lt;COMMIT&gt; &lt;ANOTHER_COMMIT&gt;</code>	Show the differences between commits.
<code>git diff &lt;BRANCH&gt; &lt;ANOTHER_BRANCH&gt;</code>	Show the differences between branches.

## Other commands

Command	Description
<code>git merge &lt;BRANCH&gt;</code>	Merge changes from the current branch to another.
<code>git rm &lt;BRANCHNAME&gt;</code>	Remove a file from everywhere.

# Git on Remote Control

## Git pull

Command	Description
<code>git pull &lt;BRANCH&gt;</code>	Pull a branch.
<code>git pull &lt;REPO&gt; &lt;BRANCH&gt;</code>	Pull a branch specifying a repository.
<code>git pull &lt;REPO&gt; &lt;BRANCH&gt; --allow-unrelated-histories</code>	Solve the "fatal: refusing to merge unrelated histories" error.

## Git push

Command	Description
<code>git push &lt;BRANCH&gt;</code>	Push a branch.
<code>git push &lt;REPO&gt; &lt;BRANCH&gt;</code>	Push a branch specifying a repository.
<code>git push -u &lt;REPO&gt; &lt;BRANCH&gt;</code>	Authenticate local changes to a remote repository.
<code>git push --set-upstream &lt;REPO&gt; &lt;BRANCH&gt;</code>	Upload changes to a repository.
<code>git push origin -d &lt;BRANCH&gt;</code>	Remove a remote branch.

## Git remote

Command	Description
<code>git remote</code>	Show the list of repositories.
<code>git remote -v</code>	Show information about repositories.
<code>git remote rename &lt;OLDNAME&gt; &lt;NEWNAME&gt;</code>	Rename a repository.
<code>git remote add &lt;REPO&gt; &lt;URL&gt;</code>	Connect Git to a remote repository.
<code>git remote remove</code>	Remove a repository.
<code>git remote rm &lt;REPO&gt;</code>	Remove a repository specifying a repository.

## Other commands

Command	Description
<code>git clone "&lt;URL&gt;"</code>	Download a repository with changes tracking.
<code>git fork "&lt;URL&gt;"</code>	Download a repository without changes tracking.
<code>git fetch &lt;REMOTE_BRANCH_PATH&gt;</code>	Update remote-tracking branches.
<code>git archive master --format=zip - output=../&lt;FILE&gt;.zip</code>	Shelve a branch locally.

# GIT FLOW

