

GIT COMMANDS

Git Configuration

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

Git on Local Control

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 <FILE></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 <PATHFILE> -m "<MSG>"</code>	Commit a file.
<code>git commit -m "<MSG>"</code>	Commit all files.
<code>git commit -am "<MSG>"</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 <BRANCHNAME></code>	Show commits record of a branch.
<code>git log --oneline <BRANCHNAME></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 <BRANCHNAME></code>	Add a branch.
<code>git switch <BRANCH></code>	Move between branches.
<code>git branch -d <BRANCHNAME></code>	Remove a local branch.
<code>git branch --cached <BRANCHNAME></code>	Remove a file from the repository.

Git check-out

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

Git difference

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

Other commands

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

Git on Remote Control

Git pull

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

Git push

Command	Description
<code>git push <BRANCH></code>	Push a branch.
<code>git push <REPO> <BRANCH></code>	Push a branch specifying a repository.
<code>git push -u <REPO> <BRANCH></code>	Authenticate local changes to a remote repository.
<code>git push --set-upstream <REPO> <BRANCH></code>	Upload changes to a repository.
<code>git push origin -d <BRANCH></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 <OLDNAME> <NEWNAME></code>	Rename a repository.
<code>git remote add <REPO> <URL></code>	Connect Git to a remote repository.
<code>git remote remove</code>	Remove a repository.
<code>git remote rm <REPO></code>	Remove a repository specifying a repository.

Other commands

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

GIT FLOW

