This document is created to have a good understanding of git and its keywords:

Links:

<https://www.atlassian.com/git/tutorials/learn-git-with-bitbucket-cloud>

When we add a new file in a repo and do git status we see something like below:

git status

On branch master

Initial commit

Untracked files:

(use "git add <file>..." to include in what will be committed)

locations.txt

nothing added to commit but untracked files present (use "git add" to track)

In the above example, the untracked file means that the file wasn’t present in the last checkout of the repo or the file wasn’t part of previous commit.

To track the file, we do git add. Git add will put the file into staging area, the staging area is where you prepare a snapshot of a set of changes before committing them to the official history.

If we have done some wrong changes in a file and we want to revert them, then we can use git checkout command to download a copy of the file from repo and replace it in the local, example as below:

[ec2-user@ip-172-31-8-219 git\_practice]$ cat test.txt

ssdsdfgsgfdg

[ec2-user@ip-172-31-8-219 git\_practice]$

[ec2-user@ip-172-31-8-219 git\_practice]$ echo hello> test.txt

[ec2-user@ip-172-31-8-219 git\_practice]$ cat test.txt

hello

[ec2-user@ip-172-31-8-219 git\_practice]$ echo bye > test.txt

[ec2-user@ip-172-31-8-219 git\_practice]$ cat test.txt

bye

[ec2-user@ip-172-31-8-219 git\_practice]$

[ec2-user@ip-172-31-8-219 git\_practice]$ echo tu > test.txt

[ec2-user@ip-172-31-8-219 git\_practice]$ cat test.txt

tu

[ec2-user@ip-172-31-8-219 git\_practice]$ git checkout -- test.txt

[ec2-user@ip-172-31-8-219 git\_practice]$ cat test.txt

Ssdsdfgsgfdg

Git pull command working:

The git pull command first runs git fetch which downloads content from the specified remote repository. Then a git merge is executed to merge the remote content refs and heads into a new local merge commit.

The git fetch command can be confused with git pull. They are both used to download remote content. An important safety distinction can be made between git pull and get fetch. git fetch can be considered the "safe" option whereas, git pull can be considered unsafe. git fetch will download the remote content and not alter the state of the local repository. Alternatively, git pull will download remote content and immediately attempt to change the local state to match that content. This may unintentionally cause the local repository to get in a conflicted state.