

Git Lab 3 Getting Started

- GT-WU-A-03 - Getting Started
 - Step 1 - Navigate to your git repository
 - Step 2 - Add/Commit new files/folders
 - Optional Step 1 - Rename / move files
 - Optional Step 2 - Delete files

GT-WU-A-03 - Getting Started

By the end of this lab you should be able to:

- Identify yourself to Git
- Create a Git repository
- How to add new files/folders
- How to commit new files/folders
- Clone an existing repository
- Check the status of your Git repository

Step 1 - Navigate to your git repository

- In git bash, or on the command line, navigate to the repository you created earlier
 - `cd C:/git_repos/newrepo`

Step 2 - Add/Commit new files/folders

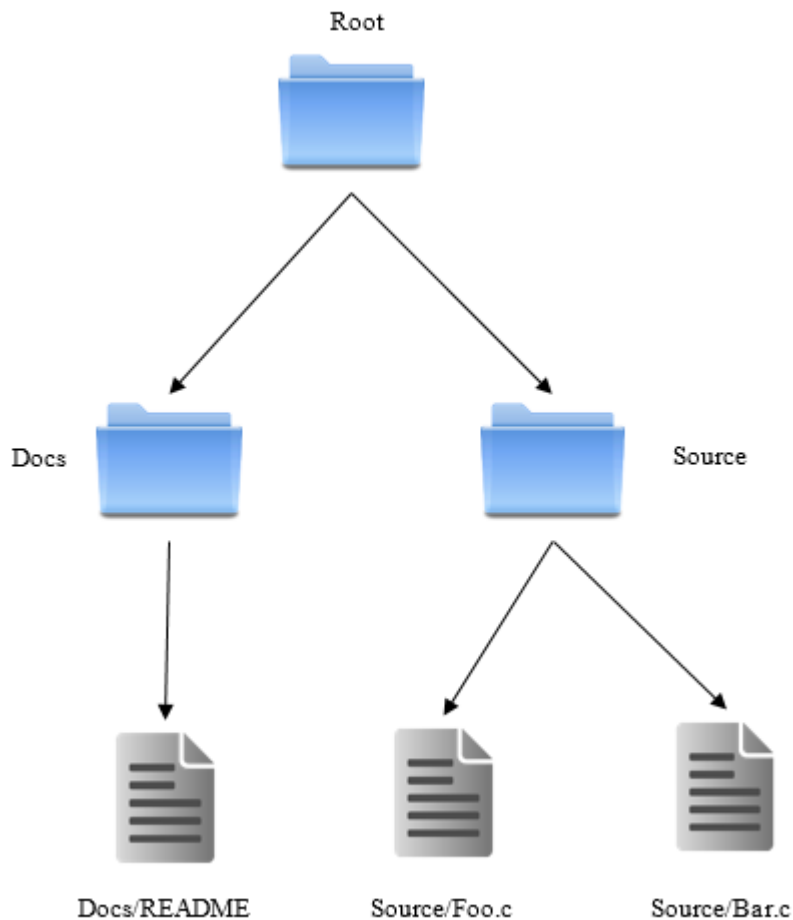
- Your working directory will currently be empty.
- In your repository create a text file called 'git_training.txt' with the following content :
 - Hello! I am currently learning how to use Git!
- *note - you can do this on the command line with "echo 'Hello! I am currently learning how to use Git!' > git_training.txt"*
- Tell git to start tracking the file
 - `git add git_training.txt`

git training.txt is now in the Git staging area...

- Commit your change to git and enter a commit message of 'Committing new text file'
 - `git commit -m "Committing new text file"`

The file git training.txt has now be successfully committed to your Git repository

- Try experimenting with different files and directory structures, create the following directory structure:
 - *note - "Root" is your working directory, not a subdirectory called "Root"*



Going Further

Optional Step 1 - Rename / move files

- Generally speaking, a README should be in the root of a repository, it should be immediately available to the end user.
- Move the README from the docs folder to the root - you must be at the root of the repository (or change the following command accordingly)
 - `git mv docs/README README`
- Now the docs folder is empty, if we do not place something within it, it will not be included in the next commit
- Create a file called "user_guide.txt" within the docs folder
- Use what you know to add the new file to git - note that performing a move/rename automatically stages the change for you so manually staging the README move is not necessary

Optional Step 2 - Delete files

- Using the windows explorer (or your OS equivalent) delete the file "git_training.txt"
- Because you did not tell Git to do this, the change has not been staged.
- Recover the file to your working directory
 - `git checkout git_training.txt`
 - The file is now available to you again
- Now delete the file properly
 - `git rm git_training.txt`
 - This both deletes the file, and stages the change.
 - *note : you can still use git rm - even if the file has been physically deleted - we didn't actually need to recover it first.*

You have reached the end of this module and may now continue to module 4

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