# **Git - Move Operation**

As the name suggests, the move operation moves a directory or a file from one location to another. Tom decides to move the source code into src directory. The modified directory structure will appear as follows −

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| [tom@CentOS project]$ pwd  /home/tom/project  [tom@CentOS project]$ ls  README string string.c  [tom@CentOS project]$ mkdir src  [tom@CentOS project]$ git mv string.c src/  [tom@CentOS project]$ git status -s  R string.c −> src/string.c  ?? string |

To make these changes permanent, we have to push the modified directory structure to the remote repository so that other developers can see this.

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| [tom@CentOS project]$ git commit -m "Modified directory structure"  [master 7d9ea97] Modified directory structure  1 files changed, 0 insertions(+), 0 deletions(-)  rename string.c => src/string.c (100%)  [tom@CentOS project]$ git push origin master  Counting objects: 4, done.  Compressing objects: 100% (2/2), done.  Writing objects: 100% (3/3), 320 bytes, done.  Total 3 (delta 0), reused 0 (delta 0)  To gituser@git.server.com:project.git  e86f062..7d9ea97 master −> master |

In Jerry’s local repository, before the pull operation, it will show the old directory structure.

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| [jerry@CentOS project]$ pwd  /home/jerry/jerry\_repo/project  [jerry@CentOS project]$ ls  README string string.c |

But after the pull operation, the directory structure will get updated. Now, Jerry can see the src directory and the file present inside that directory.  
If needed:  
-git fetch origin

-git reset --hard origin/[name of your branch]

-git add . / git add -A

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| [jerry@CentOS project]$ git pull [jerry@CentOS project]$git fetch --all  remote: Counting objects: 4, done.  remote: Compressing objects: 100% (2/2), done.  remote: Total 3 (delta 0), reused 0 (delta 0)  Unpacking objects: 100% (3/3), done.  From git.server.com:project  e86f062..7d9ea97 master −> origin/master  First, rewinding head to replay your work on top of it...  Fast-forwarded master to 7d9ea97683da90bcdb87c28ec9b4f64160673c8a.  [jerry@CentOS project]$ ls  README src string  [jerry@CentOS project]$ ls src/  string.c |