Hi Team,

I’ve been told that there are few doubts on how we use git as a repository, please follow the below said guidelines when doing a git related operations.

I’d like to use git repository in below mentioned boundary, if there is any other command you need to run, please ask me so that I can have a look on it.

Whenever there is a master merge

Go to command line

Do git checkout master

git pull origin master

git checkout <your branch name>

you should be in your branch as per above mentioned branch name

git merge master

now master has been merged into your branch

in case there is any conflict do a git mergetool

you need to either resolve the conflicts manually or through the tortoise svn editor

when merge is done

simply do git commit and git push through editor or command line

make sure you are not in master  you are not expected to checkin or push any changes to master

what is master  master is the code that is running on production server for all the clients, this is the stable codebase which has been tested and deployed to production server against the feature request. To be explicit you can never do a git push or git commit sitting inside a master repository

When we start a new project we take a copy of master (i.e. production code) and name a branch against which we work and testing takes place

This branch is a local copy which is onto your system and it has nothing to do with other branches etc. when its released same branch  is merged to master

Now cross teams when they will take a master merge unto their branches then your code is merged into their local copies.

I hope this is clear if not then please let me know.

Other git commands

In your branch at start of day always do

Git pull

Git commit along with a comment “PDE:182 :- changes for bug fix <xxx>>

Git push or you can do it from editor, again make sure you are not into master

Git stash is command if you need to have a changes stored against a guid, make sure you back up your stash because stash is not always recoverable

Git stash apply, to reapply your changes unto any branch

If unknown is being shown at git repo against your name then make sure you have ran below command

o   git config --global user.name "John Doe"

o   git config --global user.email [johndoe@example.com](mailto:johndoe@example.com)

to create a new copy of branch out of master or any other branch (please make sure branch names are with lower case and match the format dev/<stream>/feature\_ticket number

o   stream can be divided into two parts if it’s an ENG project then dev/eng/smslangenhancement\_189, if it’s a proddev then dev/pde/sftpintegration\_pde182

To clean up your branch non track able files git clean -f -d

I hope this is clear, please do not run anything beyond these commands, these are sufficient to fulfil your daily needs and if you need to run anything consult me.

**Git diff**

**git diff --name-only origin/master..origin/dev/listen/reinvites\_by\_accountno\_593 >output.txt**

Error: Why this merge is essential.

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| --- | --- |
|  | It's not a Git error message, it's the editor as git uses your default editor.  To solve this:   1. press "i" 2. write your merge message 3. press "esc" 4. write ":wq" 5. then press enter |

**Git Clone :**

**Git clone git@gitlab.responsetek.ca:dev/rt\_dev.git**