Getting Started with Git

**Cloning remote to local**

git clone ssh:….. <folder\_name>

or

git clone https:….. <folder\_name>

**Setting username/email address:**

git config –global user.name “Jayron Sanchez”

git config –global user.email “[JayronLester.Sanchez@finastra.com](mailto:JayronLester.Sanchez@finastra.com)”

git config –list

**Initialize git repository:**

git init

**Adding untracked files to git repository:**

git add .

git add <filename>

**Commit**

git commit -m “first commit”

git commit -a -m “commit message”

* -a no need to git add modified tracked files

**“Pushing” changes back to the master**

git push -u origin master

git push --set-upstream origin feature/test

* Set the remote branch to push changes
* Encouraged to use branch on the current branch w/ your committed changes

git pull

* Updates the local repo

git status

* Committed
* Modified
* Staged
* -s / --short
  + Add option to show a more simplified status report
    - M – modified
    - A – added
    - ?? – new file untracked by Git

git log

* git log -1 ( will show single log which is the latest one )
* git log --oneline ( much simplified )
* git log --stat ( much more detailed than standard git log )
* git log --patch ( very detailed )

git diff

* --staged
  + What changes have I staged
* --staged --no-renames
* git diff only
  + What changes not staged

git branch

git checkout

git checkout -b

git switch

Pull request

* In bitbucket
* Request review before merging to develop/G.9

git stash or git stash -m “Not ready to commit readme and version update yet”

* In case you have uncommitted local changes and need to switch to a diff. branch

git stash list

git stash show

git stash pop

* Re-apply last stashed

git rm <file\_name>

* Remove and untrack a file

git rm --cached <file\_name>

* Only untrack the file

git mv README.md README

* Renaming/moving a file

git merge <other\_branch>

* Merge other branch to current working branch

git reset

* - - soft
  + Move changes back to staging area
  + git log --oneline ( to show logs and reset using hash number )
  + git reset --soft 57680e9
* - - mixed
  + Move changes back to working directory
* - - hard
  + Start over