

# Git Main

Saturday, November 18, 2017 12:40 PM

## Configuration

Listing Global Config:	git config	--global --list	
Add User Name	git config	--global user.name=<UserName>	
Add User Email	git config	--global user.email=<UserEmail>	
Add Credential Helper	git config	--global credential.helper=manager	
Add Core Editor	git config	--global core.editor=<EditorPath>	'C:/Program Files/Notepad++/Notepad++.exe'
Add CRLF Auto Correction	git config	--global core.autocrlf=true	Window users should use true if working on public project
Add Autocorrection Git Commands	git config	--global help.autocorrect=1	1 = on, 0 = off
Add Color Commands	git config	--global color.ui=auto	

## Initialization of Repository

Initialize Folder	git init	
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## Adding Items

Add item	git add	<filename>
Add all	git add	.
Add Updated Only	git add	-u
Add All	git add	-A

## Committing Items

Commit	git commit	
Commit with message	git commit	-m "<message>"

## Other Commands

Log	git log		
Log Single Line	git log	--oneline	
Log Word Count	git log	--oneline   wc -l	
Log Graph	git log	--oneline --graph	
Log Short Format	git log	--format=short	Shortcut: git shortlog
Log Short Log Summary	git shortlog	-sne	S = summary, n = sort, e = email
Show Last Commit	git show	HEAD	
Show Remote Origins	git remote	-v	v = verbose
Diff	git diff	<sha1>..<sha2>	git diff d4e34..d245b
Diff Shortcut	git diff	HEAD~1..	
Rollback	git checkout	<filename>	git checkout .\README.txt
Rollback All	git reset	--hard	git reset --hard
Rollback All and Remove Commit	git reset	--soft HEAD~1	git reset --soft HEAD~1
Clean Show	git clean	-n	
Clean Force	git clean	-f	
Branch	git branch	-r	r = show remote branches
Add Remote Origin	git remote	add origin	git remote add origin <a href="https://github.com/crevenant/GitFundamentals.git">https://github.com/crevenant/GitFundamentals.git</a>
Get Latest Changes from Remote	git fetch		
Get Latest with Specified Remote	git fetch	<remote>	git fetch origin
Merge	git merge	<remote>	git merge origin/master
Pull	git pull		This will do a fetch and merge

Sync unrelated branches	git branch	--set-upstream-to=origin/<branch> master	git branch --set-upstream-to=origin/master master
Force unrelated history merge	git pull	--allow-unrelated-histories	git pull --allow-unrelated-histories
Push	git push		
Tags	git tag		Shows stable branches
Tags Annotations	git tag	-a	git tag -a v1.0_with_message
Tags Signed	git tag	-s	git tag -s v1.0_signed
Tags Push	git push	--tags	
Reference Log	git reflog		
Stash Current Work	git stash		Stores the current work for later retrieval
Stash List	git stash list		List all of the stashes
Stash Apply	git stash apply		This will apply the stash to the currently checkout branch
Stash POP	git stash pop		This will remove from stash list
Stash Drop	git stash drop		Remove the most recent stash
Stash to new Branch	git stash branch	<branchname>	Get the stash to a new branch and removes from stash list
Rebase	git rebase	<branchname>	This will apply the entire structure of changes up to master. Merge must be done after
Rebase Continue	git rebase	--continue	After resolving merge conflicts this is used to continue
Cherry Picking	git cherry-pick	<sha1_commit>	This will merge only this commit
Push Remote Branch	git push	<origin> <branchName>	This will push a branch to remote
Delete Remote Branch	git push	:<branchName>	This will delete remote branch (use with caution)