GIT AND GIT HUB

<https://automationstepbystep.com/>

[How to change your git user and email account for per project]

Run the following command:

git config user.name “Saini.ashu90”

git config user.email [Saini.ashu90@gmail.com](mailto:Saini.ashu90@gmail.com)

To verify:

git config –get user.name

git config –get user.email

====================for global config command===========================

git config –global user.email “saini.ashu---@gmail.com”

git config –global user.name “ashusai”

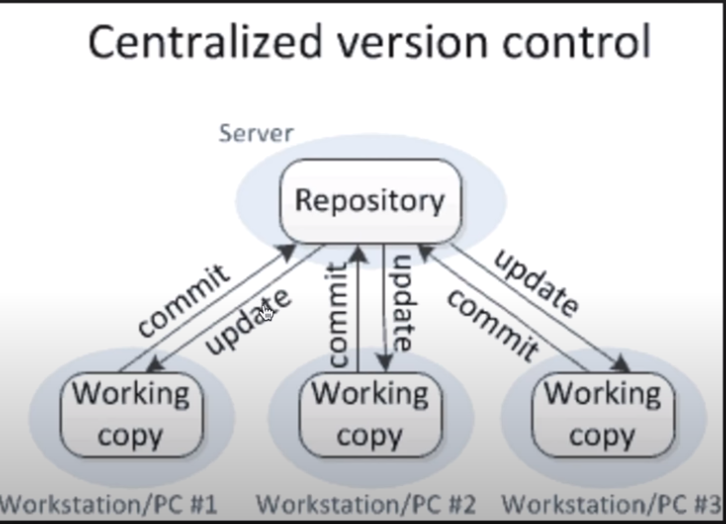
GIT: Git is a version control system [VCS].

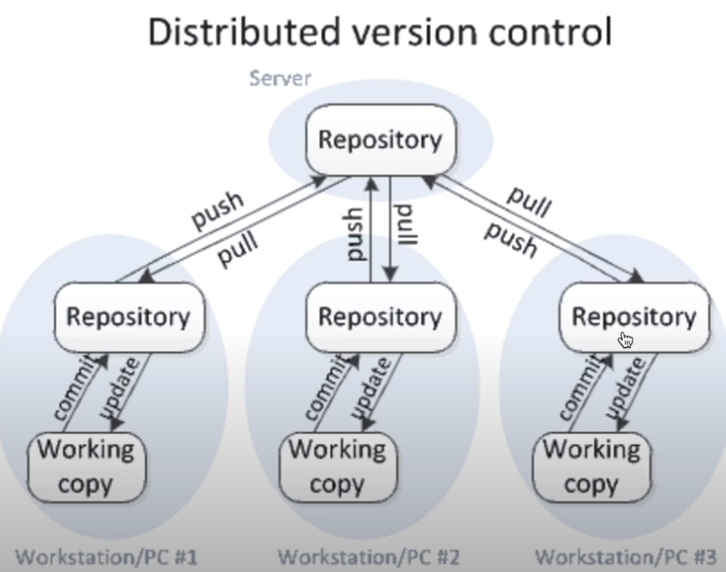
* To track changes in files/folders
* To collaborate in teams.
* Free and open source system

GIT != GITHUB

GIT = DVCS

Centralized VCS | Distributed VCS





GITHUB: website to upload your repositories online

* Provides a backup
* Provides visual interface to your repo.
* Makes collaboration easier

== T-2 Install Git On Windows =

1. Install Git or verify it is already installed
   1. Go to command line and enter “git –version”

**git version 2.17.0.windows.1**

1. **Download and Installed**

GIT BASH: git bash is a git utility which provide helps to write command and provide autocomplete options

RECOMMENDED OPTION: USE GIT FROM THE WINDOWS COMMAND PROMPT

Click next

Use the default selected option: “Checkout windows-style, commit Unix-style line endingss”

Click next

Select: Use windows default console windows

1. Add your project to git
2. Create folder in your local system: GitHub
3. Open a command prompt and Go to the folder location GitHub “E:\GitHub\”

**GIT COMMAND:**

* git init : is to initiate git repository
* git status: check the status
* git add: add new files/folder in the repository
* git add \*.\* : it is add all the files related to the wild card
* git add . : it will add everything which is not yet

ADDING TO REMOTE REPOSITORY

1. Go to github website: <https://github.com/>
2. Create a new repository and make it public
3. Copy the new repo. url <https://github.com/sainiashu/git.git>
4. Go to command line and enter the below command

git remote add origin <https://github.com/sainiashu/git.git>

== T-3 BRANCHING AND MERGING=

1. Create a branch
   1. git branch “branch name”
2. checkout new branch
   1. git checkout “branch name”
3. push your changing on origin of your branch
   1. git push -u origin “branch name”
4. Merge new branch in master branch “BEFORE MERGE INTO MASTER BRANCH FIRST YOU NEED TO CHECK OUT MASTER BRANCH ”
   1. git merge “newbranch\_1”
   2. git push -u origin master : push your changes into master branch.
5. Delete branch
   1. Git branch -d “branch name” : Delete branch from local system
   2. Git push origin –delete “branch name” : delete branch from remote

======== HOW TO SEND EMAIL NOTIFICATION FROM YOUR GIT HUB ACCOUNT===

1. Git Hub – >Repository --> Settings -->
   1. Go to Notification
   2. Enter Address [Saini.ashu90@gmail.com](mailto:Saini.ashu90@gmail.com)
   3. Checked “Active” checked box
   4. Click “Setup notifications”
2. Test and validate by making some change in the project
   1. Made some changes
   2. And follow all the basic stesps
      1. Add/ modify files
      2. Verify the branch status: git status
      3. Git commit -m “add comments”
      4. Git push -u origin “branch name” master