SYNTHETIC
INTELLIGENCE:
GIT FROM GITHUB
TO PRIVATE
SERVER

SYNTHETIC INTELLIGENCE

# The course syllabus

## Lets get started with THE BASICS

- Introduction
- ↑ The scenario
- What s version control
- Different types of version control
- Centralised version control system
- Distributed verstion control system
- ◆ GIT and apache subversion [SVN]

#### **GETTING STARTED**

- x Getting started with git
- x So what is a repository
- x The simplified theory
- x Knowing the tools and the scope
- x Some of the tools and scope
- x Some of the git commands
- x And What is branching



# Instructions for use

### LETS HAVE SOME PRACTICS

- x lets practice some of the commands
- x What is GIT, GITHUB and GITLAB
- x Know your GIT commands
- x Performing basic operations
- x Connecting pc to remote repository
- x Setting up SSH and API
- x Commit and push to remote repo

## A REALTIME PROJECT

- x Setting up a repositoy on server
- x setting up the automated scripts
- x Integrating with sublime text and VS code
- x Deploying a project on a private Repository

## CONCLUSION



# HEY Babe!

Lets get started with the basics



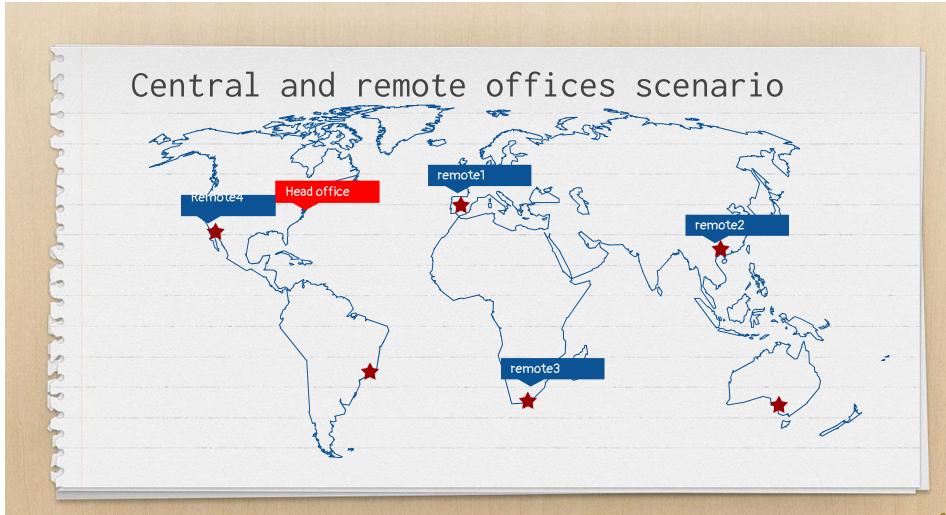
# Introduction

The version control method is a tool that is used by the developers across the globe to manage the source codes of their projects

To handle large amount of files in development that causes issues with updates and in the development process.

This process is of key importance in the modern software development environment to handle a team and work together.







## The scenario



The central office is the place of the company but the developing offices are around the world and if they are working on the same project it will be very difficult to keep the track of the integration o the files and the modules in it.

The files will be create duplicate and if a single error occurs then the whole project will be stalled until the error is resolved. For small projects it can be done in patches or modules but for the real-time development they need a single program to keep the track of the files and get the flow of the continuous development in a secure environment.

This is the reason for the call of a version control system.



## What is a version control method



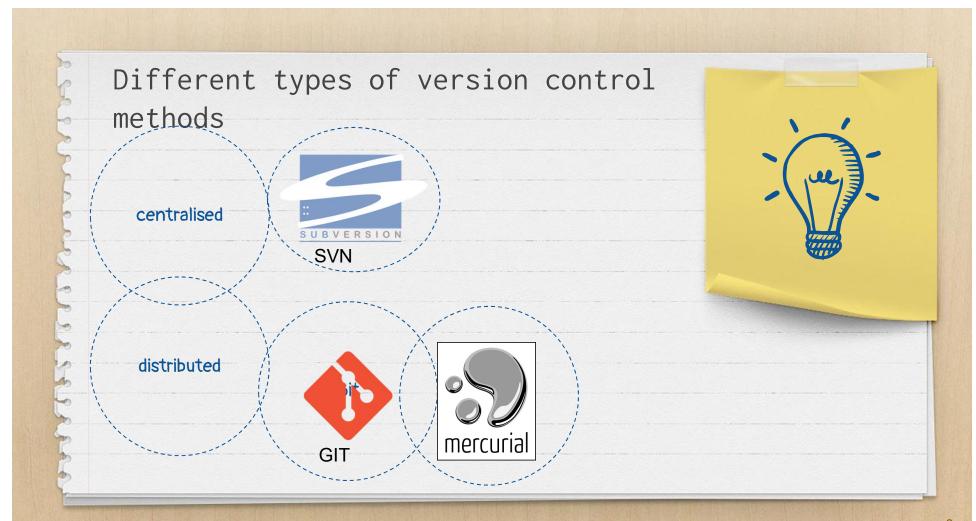
The vcs is a special program that keeps track of the files in the development process.it is used to keep the track of the project files, keep a log of the update s in file and maintain a distributed network so that all the developers can work on in across the globe. This can be of two main types as:-

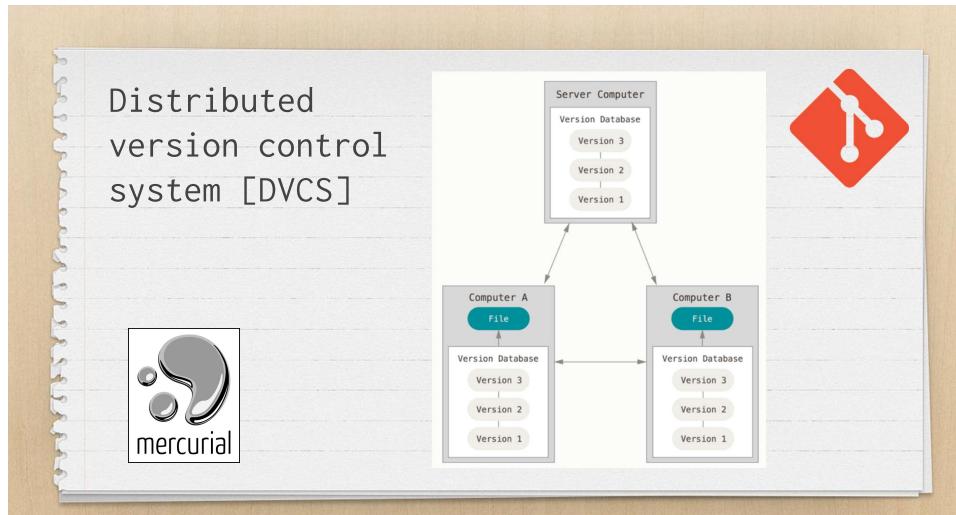
Centralised version control system

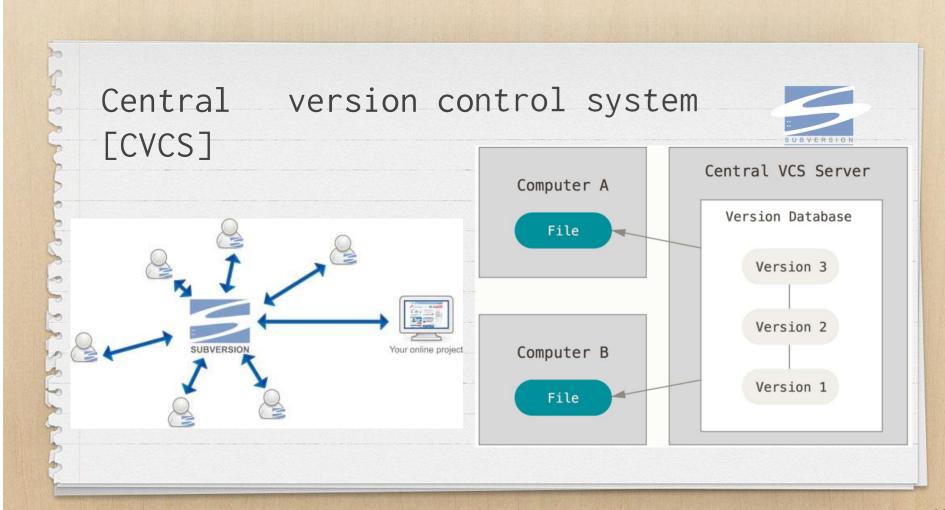
It doesnot provides acces to the complete code to the developer. The main source code is stored in a centralised server. If the server is down then the whole process stalls.

x Distributed version control system

The complete source is mirrored on each developer which is systematically updated to all. It has a common repo for storing the file but all haves the copy.







# git and apache subversion[SVN]

GIT



- X distributed VCS
- X Open source and free
- x Fastest
- X Supports branching
- X Compatible with SVN project
- X More popular
- x full source is accessible
- X If server is down then the source can be recovered

## SVN



- X Centralized VCS
- X Open source and free
- X Cannot get complete code locally
- X Does not support branching
- x Losing traction
- X Full source is not accessible
- X If server goes down then it cannot be recovered

# Up next Module 2 Getting started