

While working with Subversion:

The Subversion repository is created on the central server computer in which along with storing the sourcecode of the project it maintains all the information about the changes that has happend on the sourcecode

- sourcecode
- revision history
- logs
- audit (access information)
 - like who has comitted what files, when those are modified etc
- security

While developers to work on the project:

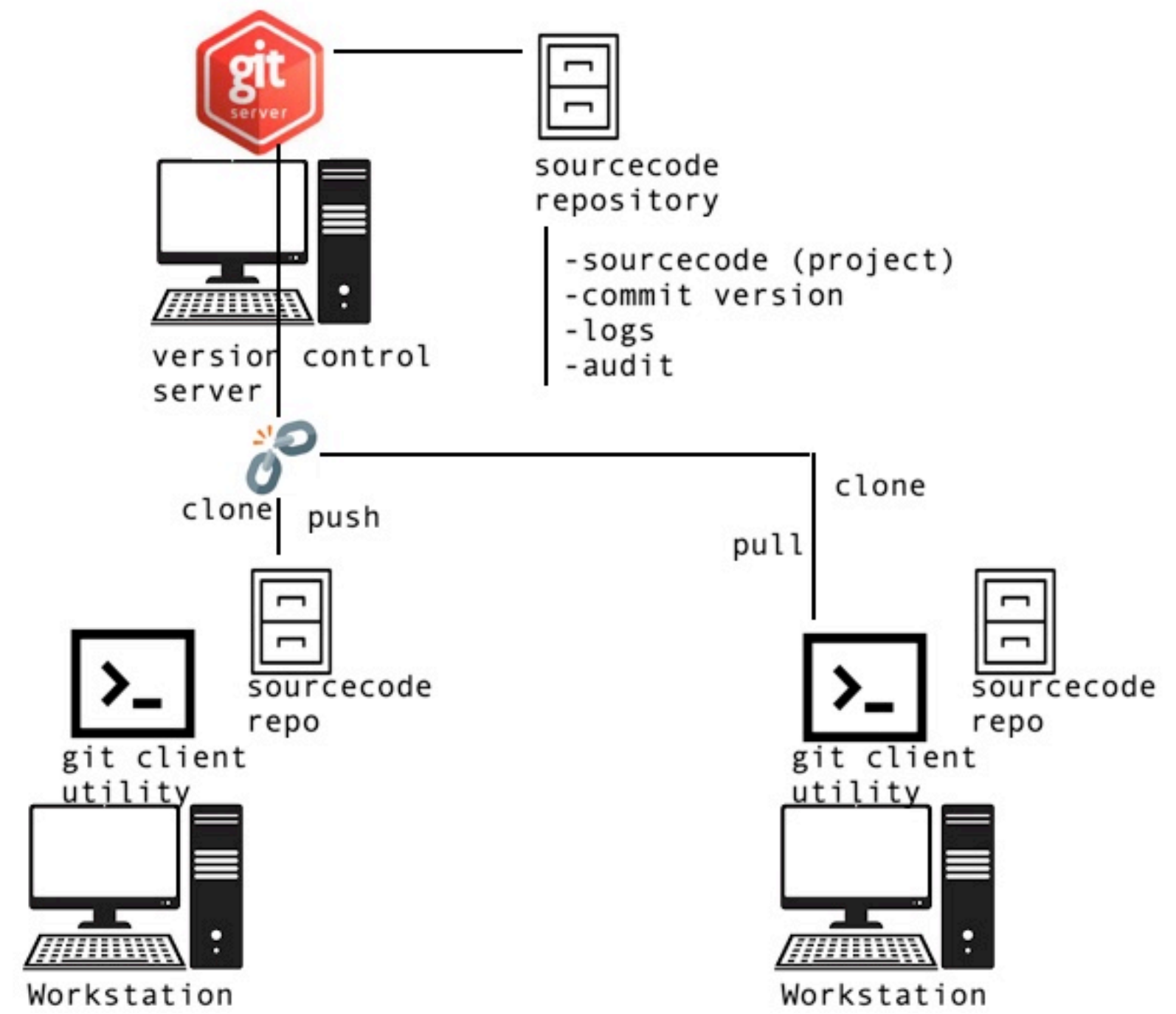
They need to checkout the project and create an working copy of the code. In the working copy minimal information about the repository will be stored like

- timestamps of the files in the repository
- revision no of the repository
- sourcecode itself

here for the developers inorder to perform any repository related operations like

- revision history of the files
 - fetch the sourcecode at a specific revision
 - diff/compare the changes between the versions on a file
 - log info
- etc

always the developers machine should be connected with subversion server computer (online). if there is an broken link between subversion server and workstation of the developer the whole workspace goes offline leaving no information about the repository at all.



Git is an version control system that works on copy-modify-merge strategy and it is an distributed version control system.

Based on the principles and design of GIT version control system, there are many third-party software manufacturing vendors built products (GIT Server/ Client) Softwares and distributed to the people either commercial or opensource.