Version Control Systems

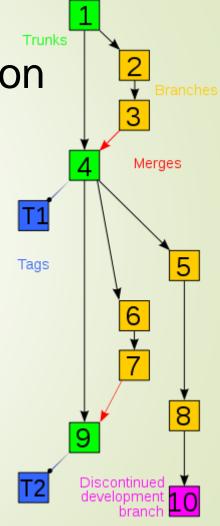
Desarrollo de Aplicaciones Cliente-Servidor

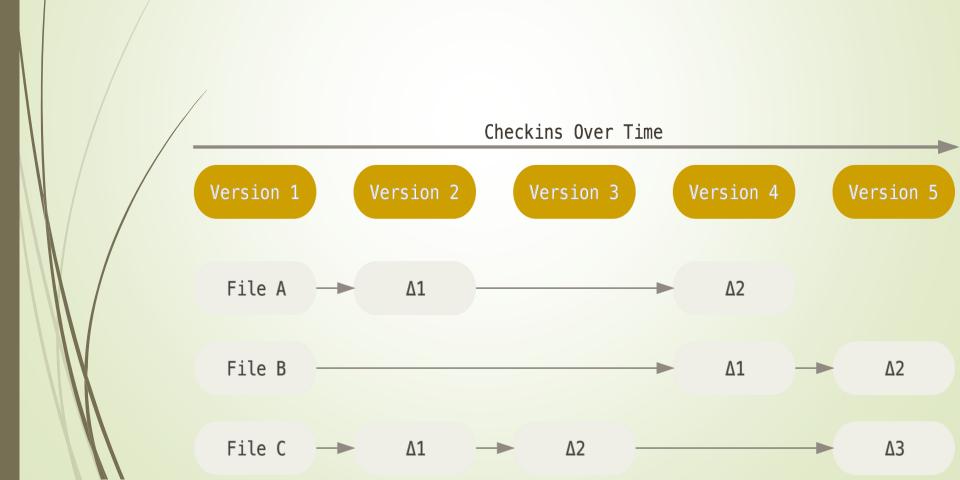
Dr. Jorge E. Villaverde

Introduction

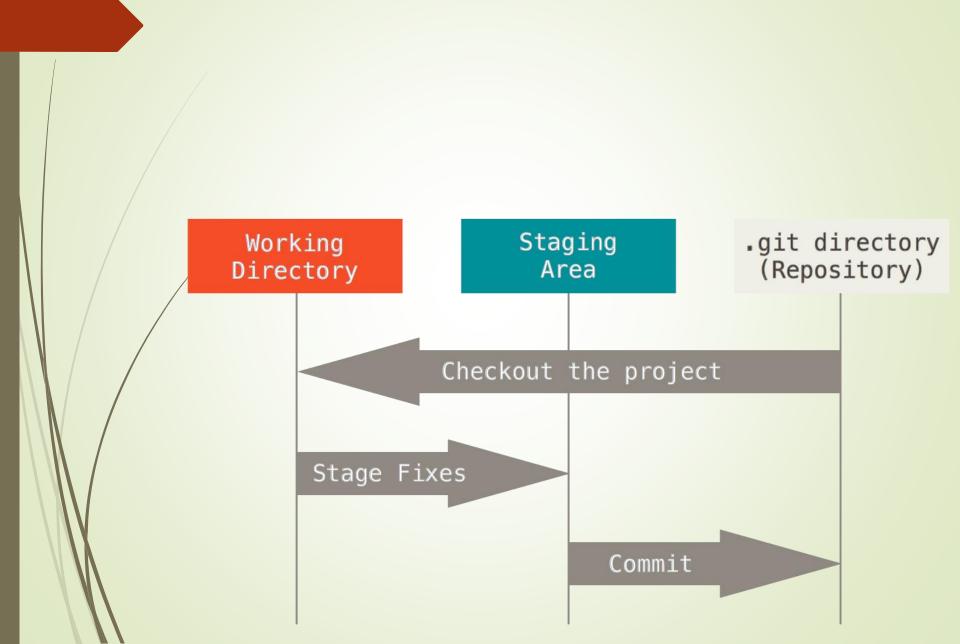
An aspect of Software Configuration Management.

Manage changes to documents



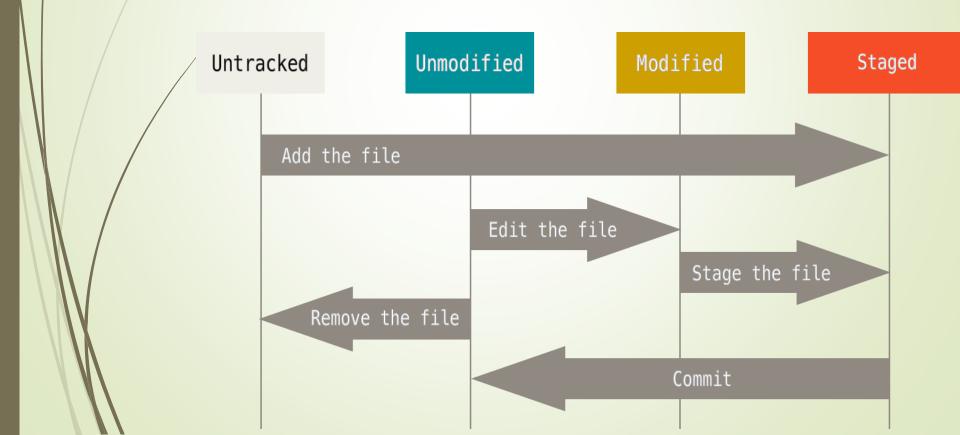






Git

The lifecycle of the status of your files.



Benfits of using VCS

- Backup and Restore
- Sync with Multiple computers
- Working in a team
- Safely create/test new features
- Ownership/Credits/Blame

Jargon

- Repository: Database where files are stored.
- Server: The computer storing the repository.
- Client: the computer connecting to the repository.
- Working Copy: Your local directory of files.
- Trunk/main: Master location for code in the repository.
- Head: latest revision on the repository.

Basic Actions

- Add: Place a file under revision control.
- Check in: Send local changes to the repo.
- Check out: Download from the repo to your working copy.
- Ignore: Allows files to exists in your working copy but not in the repo.
- Revert: Throw away your working copy and restore last version.
- Update/Sync: Update your working copy to the lastes revision.

Advance Actions

- Diff/Change: Specific modification to a document.
- Branch: Duplicate copy of code used for feature development.
- Merge: Integrate changes from two different branches.
- Conflict: Inability to reconcile changes to a document.
- Resolve: Manual fixing of conflicted document changes.
- Locking: Prevent other developers from making changes.

Preguntas

