## Version Control System

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# Version Control is a management software responsible For managing changes to computer Perograms, does, large websites, on other collection of Information.

# Easy succovery of files/ folders.

# Rollback to the previous version.

# Inform us about who what when why chance

# Inform us about who, what, when, why changes have been made.

History of VCS.

There are 3 types of VCS.

- O hocal VCs.
- @ Centerdized VCS.
- 3 Distributed VCS.

## LOCAL VCS !

# Changes are stored in a database, along with timestamp.
# Code is in Local System.

CONS:

# Project can be lost, IF the hoord-disk is Cosurupted.

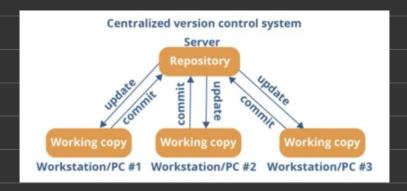
## Centralised VCS.

Repository:

A directory whom our project resides. It can be a local folder in computer on a remote directory on a Server.

There are 2 types of superitory: # Local Repository. # Central Repository.

-> Centeralized VCS contain just one expository i.e Centeral exepository & each user gets to work on the same.



# When the centered sucpo goes down even for an how.
# When the hand disk of the centered sourcer
goes down, we will lose the Peroject.

Distributed VCs:

# Distributed version control systems contain multiple suppositionies.

Each was hos their own local repository and there is a central expository where the final code ensides.

# Provides Full Back-up of the Prioject. # Git is on eg of distributed VCS.

All users have the same cade, they can pull the Code From the main server certaral erepo onto their local system of they can push the code over the certaral repo.

Each user will have their own local supp, whatever change they want they can do into their local supp, once they are happy with the changes they can push to central suppo.

