

# Day-3(Akshansha\_gohil)

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## Different types of software version control

A component of software configuration management, version control, also known as revision control or source control, is the management of changes to documents, computer programs, large web sites, and other collections of information.

### Local Version Control Systems

Many people's version-control method of choice is to copy files into another directory. This approach is very common because it is so simple, but it is also incredibly error prone. It is easy to forget which directory you're in and accidentally write to the wrong file or copy over files you don't mean to. To deal with this issue, programmers long ago developed local VCSs that had a simple database that kept all the changes to files under revision control.

### Centralized Version Control Systems

The next major issue that people encounter is that they need to collaborate with developers on other systems. To deal with this problem, Centralized Version Control Systems (CVCSs) were developed. These systems (such as CVS, Subversion, and Perforce) have a single server that contains all the versioned files, and a number of clients that check out files from that central place.

### Distributed Version Control Systems

In a DVCS (such as Git, Mercurial, Bazaar or Darcs), clients don't just check out the latest snapshot of the files; rather, they fully mirror the repository, including its full history. Thus, if any server dies, and these systems were collaborating via that server, any of the client repositories can be copied back up to the server to restore it. Every clone is really a full backup of all the data.

1.CVS :

2.SVN :



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3.Git :

4.Mercurial :

5.Bazaar :

Link

[:https://www.getfilecloud.com/blog/2015/02/top-5-open-source-version-control-tools-for-system-admins/#.XKSsLpgzZPY](https://www.getfilecloud.com/blog/2015/02/top-5-open-source-version-control-tools-for-system-admins/#.XKSsLpgzZPY)

Company hierarchy