

Source Code Version Control Softwares

The development of software with multiple source code files is utmost important to support modularity and team work.

Now the same programmer may want to manage versions of his own file(s) as well as across a team of programmers may be utilizing utilities source files. Many times the same file for the software under development or maintenance has been modified locally by multiple programmer causing conflicts.

Even for code review/peer review by another team member may want to see in the existing file if there is a modification what exactly it is.

To distribute software to clients sometimes there are categories of users and all these categories are provided different versions of software. I.e. Basic. Intermediate. Professional, etc.

To achieve many such things Version Control Management Software Tools are developed.

Examples:

cvs - A tool with Linux from legacy. Primarily used centralized approach.

svn - Also known as subversion. Primarily used centralized approach.

Git - Github for developers community. Designed for a distributed approach.

All these tools highly utilize the logic of cmp, comm and diff command line utilities originally provided with Linux Tool Kit.

References:

<http://cvs.nongnu.org/>

<https://subversion.apache.org/>

<https://github.com/Github>

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