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# Version control

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.

Snippet from [Wikipedia](#): **Version control**

In software engineering, **version control** (also known as **revision control**, **source control**, or **source code management**) is a class of systems responsible for managing changes to computer programs, documents, large web sites, or other collections of information. Version control is a component of software configuration management.

Changes are usually identified by a number or letter code, termed the "revision number", "revision level", or simply "revision". For example, an initial set of files is "revision 1". When the first change is made, the resulting set is "revision 2", and so on. Each revision is associated with a timestamp and the person making the change. Revisions can be compared, restored, and, with some types of files, merged.

The need for a logical way to organize and control revisions has existed for almost as long as writing has existed, but revision control became much more important, and complicated, when the era of computing began. The numbering of book editions and of specification revisions are examples that date back to the print-only era. Today, the most capable (as well as complex) revision control systems are those used in software development, where a team of people may concurrently make changes to the same files.

Version control systems are most commonly run as stand-alone applications, but revision control is also embedded in various types of software, such as word processors and spreadsheets, collaborative web docs, and content management systems, e.g., Wikipedia's page history. Revision control enables reverting a document to a previous revision, which is critical for allowing editors to track each other's edits, correct mistakes, and defend against vandalism and spamming in wikis.

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## External links:

- <https://git-scm.com/book/en/v2/Getting-Started-About-Version-Control>
- <https://hackernoon.com/top-10-version-control-systems-4d314cf7adea>
- <https://www.atlassian.com/git/tutorials/what-is-version-control>

## ToDo ##



- AccuRev SCM

- Azure DevOps
- BitKeeper
- CA Software Change Manager
- ClearCase
- Code Co-op
- Codeville
- CVS
- CVSNT
- darcs
- Dimensions CM
- Fossil
- Git
- GNU arch
- GNU Bazaar
- IC Manage
- Mercurial
- MKS Integrity
- Monotone
- Perforce Helix Core
- Rational Team Concert
- Source Code Control System
- StarTeam
- Subversion
- Surround SCM
- Synergy
- Vault
- Vesta
- Visual SourceSafe

[kb](#), [programming](#), [change](#), [ci](#), [release](#)

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Last update: **2022/08/19 15:26**

