

In the work we study effective management of different versions of text files. Outcome of the work is an application managing such archives. The application is able to maximally exploit a similarity between versions of files to avoid redundancy of stored information. Application uses the method of Differential File Comparison (diff), improved by additional smaller dividing entities. Contrary to the classical diff it recognizes also word and character differences. Precision of the diff vary along a text file according to density and character of differences. Due to that a smaller archive is made and moreover in shorter time. Extra reduction of the archive is achieved by the use of the zip compression method implemented by freeware library Info-ZIP.