

The thesis is concerned with the implementation of the BashCommander application, which serves to effectively manage files using text commands in the Windows operating system environment. It combines a twopanel file manager with a console for text commands, using Bash language syntax. The implementation covers a graphical user interface with the file manager and terminal program (to display the console window), Bash language interpreter for Windows and several simple file operating programs, well-known from the Unixlike operating systems. The program itself is not an execution environment for Unix applications, nor does it require one to run. As to the Bash language and its internal commands' implementation, the goal is to achieve as close compatibility with the original version as possible, although limited in some ways. The execution of script files written in this language is also supported, the application aims to provide their easy portability. The program is designed for Windows 2000 and newer. The thesis also includes an analysis of the implementation problems, discussion of possible solutions and a comparison of BashCommander with existing Bash interpreters for Windows.