

Existing tools for build and configuration management of software projects often suffer from various drawbacks, the typical problems include, for example, a complicated notation of a project's configuration or difficulties with the portability of a configuration description between various platforms. This work analyses the advantages and disadvantages of the approaches used by existing implementations and it proposes the solution that is based on merging the well-established and interesting ideas of various existing solutions. An important part of the work is the implementation of a fully functional program according to the proposed design, which allows to test the solution in practice. The goal of the implementation is to avoid the disadvantages of existing similar programs while keeping their advantages.