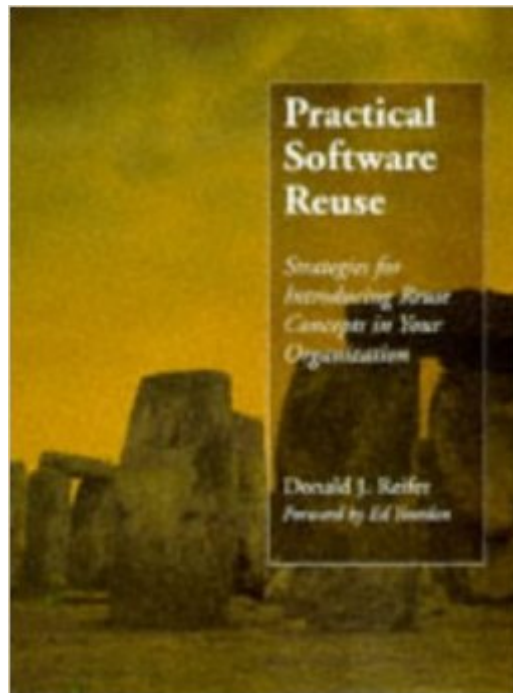


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# Practical Software Reuse (Wiley Series In Software Engineering Practice)



## Synopsis

The comprehensive guide to software re-engineering and reuse. Despite the fact that most software uses the same blocks of code over and over again, almost all software is built from the ground up. Just starting to catch on is the idea that these blocks of code can be used as standard components in creating new applications. However, this "assembly line" mentality is foreign to most software developers. Practical Software Reuse shows developers how to take advantage of existing codes to build commercial software faster and cheaper, covering reuse operations, competitive benchmarking, transitioning to the reuse process, utilizing "off-the-shelf" software, and more.

## Book Information

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## Customer Reviews

Before you purchase this book understand that the author's approach is "whitebox" reuse, wherein you have a repository of \*baseline\* components that are modified to suit development requirements. Contrast this with the "blackbox" approach wherein components are developed to have well-defined interfaces and internal logic and are not designed to be modified. Each approach has strengths and weaknesses, and each is suited for specific organizations based on business goals. Therefore, if you are a "blackbox" shop or are leaning in that direction this book is not going to meet your needs. If you are seeking a book based on "whitebox" then this is an excellent introductory text for managers exploring the benefits of software reuse. The first section, Fundamental Concepts,

thoroughly covers the basics of reuse strategy and concepts and critical success factors. Business case analysis is covered in the second section. The three chapters cover the basics and will provide you with solid information to support a business decision to go with reuse. Do not skip this section because while the whole intent of reuse is cost savings, the realities of implementing and managing reuse are that it requires a significant investment to get there. The final section covers making the transition to reuse and ongoing management of reuse as an organizational policy and process. A few final notes: (1) This is not a comprehensive "how-to" book - it is a management-level look at all issues and factors that need to be taken into account before deciding whether or not reuse is a good fit for your organization.

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