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Managing Software Reuse



Synopsis

*For IS (Information Systems) managers and engineers and anyone in the governmental and commercial sectors responsible for software productivity and quality and project planning and budgeting. * The active reuse of software is one of the most promising avenues for a dramatic increase in software productivity. This handbook offers a managerial approach to software reuse -- its advantages and disadvantages, cost-justification, current reuse efforts, and strategies to implement and deploy reuse in a corporate environment. Shows how to perform a detailed cost/benefit analysis to determine whether software reuse is economically appropriate for an organization; apply a proven reuse implementation strategy complete with tools (classification scheme and software workproducts library), training tactics, and standards; follow guidelines for incorporating reuse in each stage of the traditional software development life cycle; and tackle tough managerial challenges such as labor issues, productivity measurement, organizational structure, motivation/incentives for engineers, and legal implications of software reuse.

Book Information

Paperback: 552 pages

Publisher: Prentice Hall; 1 edition (July 9, 2004)

Language: English

ISBN-10: 0135523737

ISBN-13: 978-0135523735

Product Dimensions: 6.9 x 1.3 x 9.1 inches

Shipping Weight: 2 pounds (View shipping rates and policies)

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Best Sellers Rank: #3,700,673 in Books (See Top 100 in Books) #29 inÂ Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Software Reuse #4014 inÂ Books > Textbooks > Computer Science > Software Design & Engineering #8787 inÂ Books > Computers & Technology > Programming > Software Design, Testing & Engineering > Software Development

Customer Reviews

Managing Software Reuse provides procedures, approaches, insight and examples for a corporate reuse strategy. The author seems to avoid current technologies (like COM and CORBA) and focus at a broad higher level.-These views are my own and do not represent the views of Intel Corporation.

Wayne Lim has pulled together all the major works in the field of software reuse and organized them into a comprehensive and authoritative reference that every person interested in reuse will find essential and indispensable!

Best book on the topic I have ever come across

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Software Reuse for Dynamic Systems in the Cloud and Beyond: 14th International Conference on Software Reuse, ICSR 2015, Miami, FL, USA, January 4-6, ... (Lecture Notes in Computer Science)
Safe and Secure Software Reuse: 13th International Conference on Software Reuse, ICSR 2013, Pisa, Italy, June 18-20, 2013, Proceedings (Lecture Notes in Computer Science)
Software Reuse Techniques: Adding Reuse to the System Development Process
Reuse of Off-the-Shelf Components: 9th International Conference on Software Reuse, ICSR 2006, Torino, Italy, June 12-15, 2006, Proceedings (Lecture Notes in Computer Science)
Managing Software Reuse
Reengineering Software: How to Reuse Programming to Build New State-of-the-art Software
Practical Software Reuse (Wiley Series in Software Engineering Practice)
Object-oriented software development: Engineering software for reuse
Software Reuse: Advances in Software Reusability: 6th International Conference, ICSR-6 Vienna, Austria, June 27-29, 2000 Proceedings (Lecture Notes in Computer Science)
Software Reuse: A Holistic Approach (Wiley Series in Software-Based Systems)
Software Reuse: Guidelines and Methods (Software Science and Engineering)
IntAR, Interventions
Adaptive Reuse, Volume 03; Adaptive Reuse in Emerging Economies
Software Engineering Classics: Software Project Survival Guide/ Debugging the Development Process/
Dynamics of Software Development (Programming/General)
Surreptitious Software: Obfuscation, Watermarking, and Tamperproofing for Software Protection: Obfuscation, Watermarking, and Tamperproofing for Software Protection
Measuring Software Reuse: Principles, Practices, and Economic Models
Framing Software Reuse: Lessons From the Real World
Software Reuse: Architecture, Process and Organization for Business Success
Reuse-Based Software Engineering: Techniques, Organizations, and Controls
Effective Software Maintenance and Evolution: A Reuse-Based Approach
Practical Software Reuse (Practitioner Series)

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