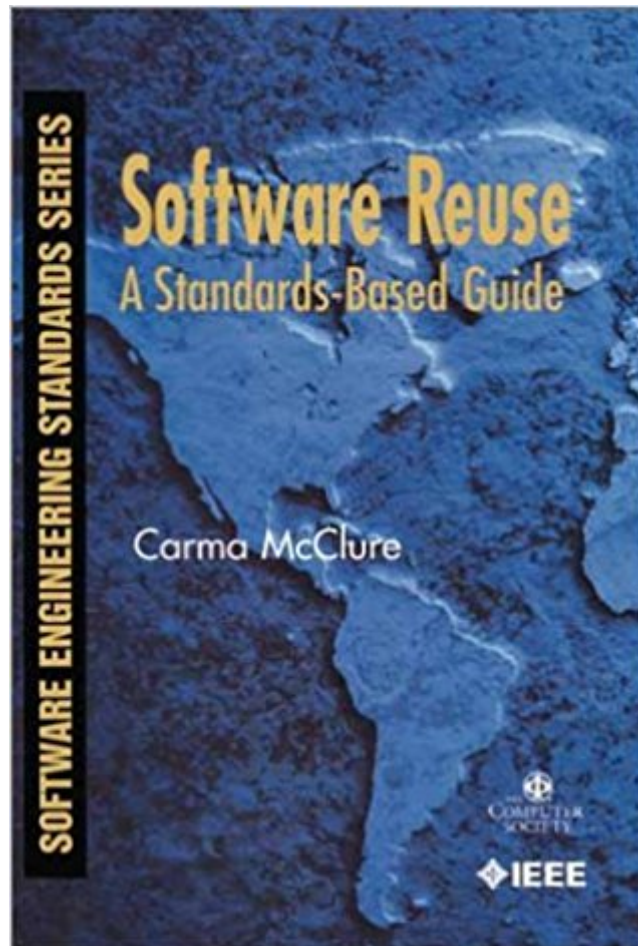


The book was found

Software Reuse: A Standards-Based Guide



Synopsis

Reuse is one of the simplest and oldest concepts in programming - and one that is often underutilized. When implemented purposefully and correctly, reuse can save time and money as well as create an inventory of valuable and reusable software assets. Dr. Carma McClure, one of the principal writers of the IEEE's Software Reuse Standard 1517, provides clear, concise, and applied information to make effective software reuse based on the reuse standard a reality. This book provides specific instructions for implementing reuse within the context of the IEEE Software Reuse Process Standard 1517 as well as the IEEE/EIA Standard 12207 - Standard for Information Technology Software Life Cycle Processes. This new guide aids the reader in interpreting the meaning of the standard, implementing the standard, and applying the standard. Like IEEE Std. 1517, this book is written for both managers and technical personnel involved in acquiring, supplying, or developing software applications and systems or reusable assets.

Book Information

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Customer Reviews

This book has two primary audiences:(1) those who have standardized on IEEE Std 1517 (Software Reuse Process) or (2) organizations that are (a) working within IEEE/EIA Standard 12207 (Standard for Information Technology, Software Life Cycle Processes) and (b) are incorporating reuse practices into their development process. There is a secondary audience that consists of

component-based software engineering and/or off-shore contractors ("software factories") that are required to adhere to the 1517 or 12207. The book primarily focuses on IEEE Std 1517, and does an excellent job of clearly explaining this standard from a macro view. It also provides necessary details for incorporating 1517 into existing development processes. Two strong chapters that I especially like covers the relationship of 1517 to the CMM, which gives some guidance for 1517's requirements into a CMM shop (although it probably would not be a good fit unless an organization was at least at CMM Level 3); and the relationship to UML, which can be expanded and extrapolated to fit within organizations that are using the Rational Unified Process, the OPEN Process or similar approaches. Summary: If you fit within the primary or secondary audiences I cited above this book is worthwhile. Indeed, it will save time and resources because it is clear on what needs to be accomplished to implement 1517. I also strongly recommend "Measuring Software Reuse" by Jeffrey Poulin as a companion to this book. Combined, these two books contain a recipe for successful software reuse within the context of IEEE Std 1517.

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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: A Standards-Based Guide
Software Reuse: A Holistic Approach (Wiley Series in Software-Based Systems)
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)
Reuse-Based Software Engineering: Techniques, Organizations, and Controls
Effective Software Maintenance and Evolution: A Reuse-Based Approach
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: 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)
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