Systems and Software Variability Management: Concepts, Tools and Experiences

Systems and Software Variability Management: Concepts, Tools and Experiences

Systems and Software Variability Management: Concepts, Tools and Experiences

The success of product line engineering techniques in the last 15 years has popularized the use of software variability as a key modeling approach for describing the commonality and variability of systems at all stages of the software lifecycle. Software product lines enable a family of products to share a common core platform, while allowing for product specific functionality being built on top of the platform. Many companies have exploited the concept of software product lines to increase the resources that focus on highly differentiating functionality and thus improve their competitiveness with higher quality and reusable products and decreasing the time-to-market condition.

Many books on product line engineering either introduce specific product line techniques or include brief summaries of industrial cases. From these sources, it is difficult to gain a comprehensive understanding of the various dimensions and aspects of software variability. Here the editors address this gap by providing a comprehensive reference on the notion of variability modeling in the context of software product line engineering, presenting an overview of the techniques proposed for variability modeling and giving a detailed perspective on software variability management.

Their book is organized in four main parts, which guide the reader through the various aspects and dimensions of software variability. Part 1 which is mostly written by the editors themselves introduces the major topics related to software variability modeling, thus providing a multi-faceted view of both technological and management issues. Next, part 2 of the book comprises four separate chapters dedicated to research and commercial tools. Part 3 then continues with the most practical viewpoint of the book presenting three different industry cases on how variability is managed in real industry projects. Finally, part 4 concludes the book and encompasses six different chapters on emerging research topics in software variability like e.g. service-oriented or dynamic software product lines, or variability and aspect orientation.

Each chapter briefly summarizes "*What you will learn in this chapter*", so both expert and novice readers can easily locate the topics dealt with. Overall, the book captures the current state of the art and best practices, and indicates important open research challenges as well as possible pitfalls. Thus it serves as a reference for researchers and practitioners in software variability management, allowing them to develop the next set of solutions, techniques and methods in this complicated and yet fascinating field of software engineering.

⬇ **Download** Systems and Software Variability Management: Conce ...pdf

▤ **Read Online** Systems and Software Variability Management: Con ...pdf

Download and Read Free Online Systems and Software Variability Management: Concepts, Tools and Experiences

---

From reader reviews:

Gemma Jackson:

What do you regarding book? It is not important along? Or just adding material when you need something to explain what you problem? How about your time? Or are you busy man or woman? If you don't have spare time to try and do others business, it is gives you the sense of being bored faster. And you have extra time? What did you do? Everyone has many questions above. They should answer that question due to the fact just their can do that will. It said that about e-book. Book is familiar on every person. Yes, it is appropriate. Because start from on jardín de infancia until university need this Systems and Software Variability Management: Concepts, Tools and Experiences to read.

Gertrude Call:

In this 21st hundred years, people become competitive in most way. By being competitive currently, people have do something to make all of them survives, being in the middle of typically the crowded place and notice by simply surrounding. One thing that at times many people have underestimated it for a while is reading. That's why, by reading a e-book your ability to survive enhance then having chance to stay than other is high. In your case who want to start reading any book, we give you this particular Systems and Software Variability Management: Concepts, Tools and Experiences book as basic and daily reading book. Why, because this book is more than just a book.

Laura Mason:

Do you one among people who can't read pleasurable if the sentence chained inside straightway, hold on guys this kind of aren't like that. This Systems and Software Variability Management: Concepts, Tools and Experiences book is readable through you who hate those straight word style. You will find the info here are arrange for enjoyable reading through experience without leaving possibly decrease the knowledge that want to provide to you. The writer involving Systems and Software Variability Management: Concepts, Tools and Experiences content conveys prospect easily to understand by many individuals. The printed and e-book are not different in the content but it just different available as it. So , do you even now thinking Systems and Software Variability Management: Concepts, Tools and Experiences is not loveable to be your top record reading book?

Carrie Wilson:

This book untitled Systems and Software Variability Management: Concepts, Tools and Experiences to be one of several books that will best seller in this year, honestly, that is because when you read this publication you can get a lot of benefit in it. You will easily to buy this specific book in the book retail store or you can order it through online. The publisher on this book sells the e-book too. It makes you easier to read this book, as you can read this book in your Smart phone. So there is no reason to your account to past this guide from your list.

Download and Read Online Systems and Software Variability Management: Concepts, Tools and Experiences #R1M2EF3BJ6Z

Read Systems and Software Variability Management: Concepts, Tools and Experiences for online ebook

Systems and Software Variability Management: Concepts, Tools and Experiences Free PDF d0wnl0ad, audio books, books to read, good books to read, cheap books, good books, online books, books online, book reviews epub, read books online, books to read online, online library, greatbooks to read, PDF best books to read, top books to read Systems and Software Variability Management: Concepts, Tools and Experiences books to read online.

Online Systems and Software Variability Management: Concepts, Tools and Experiences ebook PDF download

Systems and Software Variability Management: Concepts, Tools and Experiences Doc

Systems and Software Variability Management: Concepts, Tools and Experiences Mobipocket

Systems and Software Variability Management: Concepts, Tools and Experiences EPub