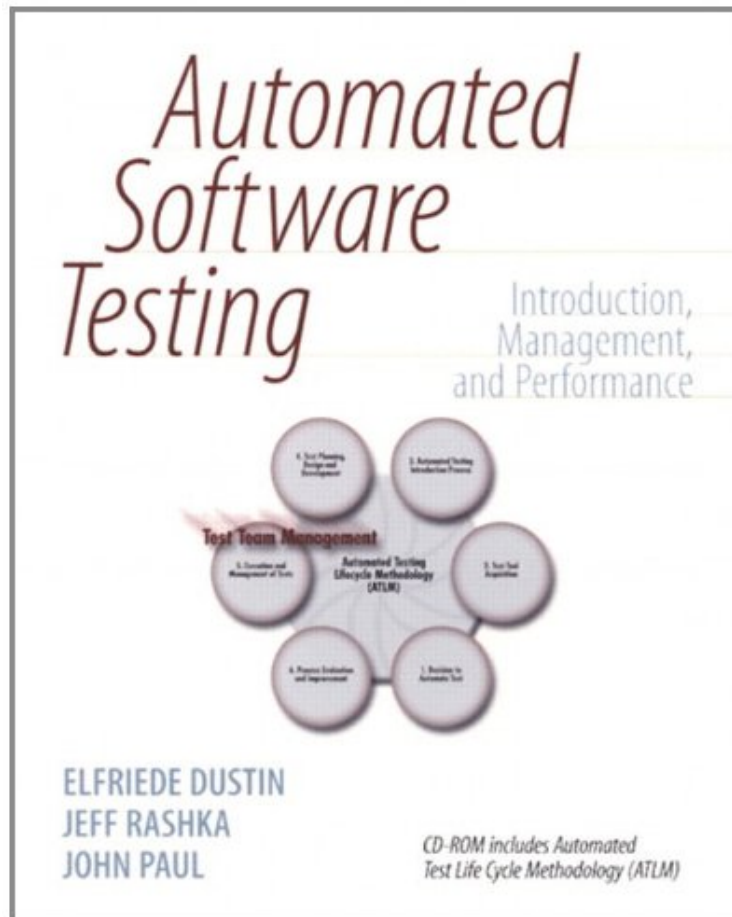


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Automated Software Testing: Introduction, Management, and Performance: Introduction, Management, and Performance

Von Elfriede Dustin, Jeff Rashka, John Paul
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Von Elfriede Dustin, Jeff Rashka, John Paul : Automated Software Testing: Introduction, Management, and Performance: Introduction, Management, and Performance before purchasing it in order to gage whether or not it would be worth my time, and all praised Automated Software Testing: Introduction, Management, and Performance: Introduction, Management, and Performance:

KundenrezensionenHilfreichste Kundenrezensionen1 von 1 Kunden fanden die folgende Rezension hilfreich. Generally a good book on how to start Test Automation...Von Erick M. GriffinReviewed by Erick Griffin, September 4, 1999 When seeing the title of this book for the first time I must admit I was immediately intrigued by its topic, being a member of Tivoli's Test Automation Group and all. Its title promised that between its covers all would be revealed regarding what automation means to software testing. It does in fact deliver on this main theme rather well. Moreover, depending upon your interest in test automation one might not be able to consider all points brought up by

this book applicable to their specific area of expertise. It is however, an excellent place to start! Below is outline of the book and what the reader will find hidden away in its pages. Chapter 1. The first chapter discusses some of the more mundane aspects of how to define automated software testing. A necessary evil but for those already familiar with this topic you may want to skip this. Chapter 2. Mostly a discussion on the topic of 'why' software testing automation is so necessary today. Most of what the authors cite as to improving partnerships with development teams and improvements in some of the more important issues of testing are all good lessons that should be learned and clearly understood. This chapter also delves into two other important areas, the real benefits of automation and how to get management support for test automation goals. The latter is most important, the how in making management understand what the correct expectation of automated software testing should be is all important before pursuing any automation strategy. Chapters 3 and 4. Here are the 'meat and potato' chapters on how to correctly evaluate and consider test automation tools. This should be read by anyone who is considering the purchase of a tool that would perform any test automation; and gives a good account of all of the tool areas that must be considered, (e.g. source code testing tools, load/performance/stress test tools). A valuable chapter in learning what the Test Life-Cycle Tools are and what they do. Important for anyone wanting to properly weight an insistent salesperson's marketing hype! Chapter 5. Management only, enough said. Chapters 6 through 9. These are the core chapters of the book and should be read by anyone and everyone interested in overall test considerations. They therefore serve as a guide to overall test planning, development and other considerations, always with a slant on automation. Though most will find these chapters full the normal stuff any verification engineer needs to consider. Chapter 10. People responsible for deploying and managing a software test automation project will want to consider reading this chapter. Here is where the benefits are explained, it gives you a good understanding when and where the payoffs are. One of the more tacit points made in this chapter is that automation is not a short term solution to any problem. It is a long term solution and must become an integral way of life in any verification organization. Appendices. These provide information on How to Test Requirements, Tools That Support the Automated Testing Life Cycle pretty good!, Test Engineer Development good for management and your knowing your own skills and where they fit, A Sample Test Plan in case you've never seen one (I would hope this wasn't the case). This book should be purchased by anyone who is concerned with test automation. It should be used by those development and verification individuals who need to be concerned with automation topics in their areas to help reduce costs and relieve critical resources to accomplish their group's overall product goals. These individuals include but are not limited to: All second and first line development and verification management who really need to understand how, when and where automation should be done and why! All senior engineers who need to consider test automation during software design and development. Any company wide organizations whose charter it is to develop and deploy automation tools and technologies to their organizations. And last but not least, any other individuals who might stand to gain from learning how automated software testing might improve their understanding of the need to reduce costs and test resources, while increasing the level of test repeatability and reuse in their areas of verification. Most organizations establish verification groups only after a product has been developed. These groups are therefore usually well behind the eight ball before they even start to consider such topics as test automation. This book could prevent such organizations from making costly mistakes with test processes and automation that most organizations do when starting. Finally and most importantly it can be used to help define automated software testing in an organization that is already in place. It can help correct its direction towards the necessary amount of automation a group needs. Most of all it can help reduce the resources needed during verification in the long run, which ultimately drive a better product out the door. This is after all what most customers demand from the computer industry today, isn't it?!1 von 1 Kunden fanden die folgende Rezension hilfreich. At Last! How to conduct effective automated testing!Von Ein KundeRemarkable book that every test engineer should read! Being a software programmer, I need the test engineers to work closely with us to help produce a successful product while staying on schedule, satisfying defined requirements and eliminating errors. The book defines a logical approach and provides best practices for the test engineer to provide a comprehensive and efficient automated software test program.This book brings needed structure to the way the test team approaches their work. I've experienced two projects now where the introduction of automated testing was a considerable problem. Automated Software Testing guides the test engineer every step of the way from considering whether or not automation is beneficial to tool selection and introduction. Furthermore it lays out test planning requirements and provides instruction on how to design the test program to include both automated and manual tests. Our development team will be applying the book's test design guidance to our development test efforts.Finally a book that outlines the pitfalls and provides solid examples of best practices that can be applied to automated software testing projects. Software developers everywhere should give a copy of this book to their test team.1 von 1 Kunden fanden die folgende Rezension hilfreich. Highly recommendedVon Ein KundeI find this book to be a very thorough reference for the Software Test manager considering automation. I believe the most difficult part of software test automation is consideration of tools and the associated support of the tool makers. This decision can make or break the automation process for a company and can lock the company into following a process designated by the tool. This book is an invaluable guide through the tool selection process for a test manager or test lead. During the automation process, as well, I think this book will be well-

thumbed because it gives great insight into how to manage an automation project successfully. The authors' combined experience clearly shows through in this book's organization and detail. The only things I can find missing from this text are perhaps a discussion of the creation of in-house testing tools using C, Visual Basic or the inexpensive Visual Test language. Enough companies use this alternative to make this a worthwhile topic for discussion. Maybe the next edition? Mary R. Sweeney

Kurzbeschreibung With the urgent demand for rapid turnaround on new software releases--without compromising quality--the testing element of software development must keep pace, requiring a major shift from slow, labor-intensive testing methods to a faster and more thorough automated testing approach. Automated Software Testing is a comprehensive, step-by-step guide to the most effective tools, techniques, and methods for automated testing. Using numerous case studies of successful industry implementations, this book presents everything you need to know to successfully incorporate automated testing into the development process. In particular, this book focuses on the Automated Test Life Cycle Methodology (ATLM), a structured process for designing and executing testing that parallels the Rapid Application Development methodology commonly used today. Automated Software Testing is designed to lead you through each step of this structured program, from the initial decision to implement automated software testing through test planning, execution, and reporting. Included are test automation and test management guidance for: Acquiring management support Test tool evaluation and selection The automated testing introduction process Test effort and test team sizing Test team composition, recruiting, and management Test planning and preparation Test procedure development guidelines Automation reuse analysis and reuse library Best practices for test automation .de

Written for those with some background in software engineering, Automated Software Testing: Introduction, Management, and Performance delivers a rigorous guide to the state of the art in managing automated testing in a text that will benefit anyone who tests software for a living. First and foremost, Automated Software Testing presents a methodology for test managers called Automated Testing Lifecycle Management (ATLM). This soup-to-nuts tour of testing takes you from initial planning, budgeting, and staffing to building a test plan and choosing test tools to executing tests and even improving your testing process the next time around. Though somewhat thickly written--with plenty of software engineering terminology--this book can also be useful to more practically minded readers because of its many sample test documents. (Besides numerous lists and charts outlining the steps in the ATLM process, the book presents a sample test plan, budget estimates, and staffing guides.) A truly standout feature is the book's survey of currently available automated tools that can be used throughout the testing cycle, as well as how to choose the right ones for your next project. For many software testers and managers, this section alone is probably worth the price of the book. As this book points out, test engineering is a growth field. While schools and businesses work hard to meet the demand for qualified testing professionals, this title can provide a solid guide to the best thinking on automated testing solutions that will save time and money as well as improve software quality. --Richard Dragan

Topics covered: Theory and practice of automated software testing, the Automated Testing Lifecycle Management (ATLM) process, test analysis, planning, design and execution, white-box and black-box testing, metrics, and choosing testing tools.

Kurzbeschreibung With the urgent demand for rapid turnaround on new software releases--without compromising quality--the testing element of software development must keep pace, requiring a major shift from slow, labor-intensive testing methods to a faster and more thorough automated testing approach. Automated Software Testing is a comprehensive, step-by-step guide to the most effective tools, techniques, and methods for automated testing. Using numerous case studies of successful industry implementations, this book presents everything you need to know to successfully incorporate automated testing into the development process. In particular, this book focuses on the Automated Test Life Cycle Methodology (ATLM), a structured process for designing and executing testing that parallels the Rapid Application Development methodology commonly used today. Automated Software Testing is designed to lead you through each step of this structured program, from the initial decision to implement automated software testing through test planning, execution, and reporting. Included are test automation and test management guidance for: Acquiring management support Test tool evaluation and selection The automated testing introduction process Test effort and test team sizing Test team composition, recruiting, and management Test planning and preparation Test procedure development guidelines Automation reuse analysis and reuse library Best practices for test automation