

# Winautomation For Dummies Your Complete User Guide To Master The Amazing Winautomation Tool And Automate Anything

Covering the basic concepts and principles of Information Technology (IT), this book gives energy managers the knowledge they need to supervise the IT work of a consultant or a vendor. The book provides the necessary information for the energy manager to successfully purchase, install, and operate complex, Web-based energy information and control systems. Filled with comprehensive information, this book addresses the most significant concepts and principles that the typical energy or facility manager might need with emphasis on computer networking, use of facility operation databases, and sharing data using the Web and the TCP/IP communications protocol.

Provides instructions for automating Windows 2000 administrative tasks using scripting techniques in order to complete routine tasks in core administration areas.

Much has changed in technology over the past decade. Data is hot, the cloud is ubiquitous, and many organizations need some form of automation. Throughout these transformations, Python has become one of the most popular languages in the world. This practical resource shows you how to use Python for everyday Linux systems administration tasks with today's most useful DevOps tools, including Docker, Kubernetes, and Terraform. Learning how to interact and automate with Linux is essential for millions of professionals. Python makes it much easier. With this book, you'll learn how to develop software and solve problems using containers, as well as how to monitor, instrument, load-test, and operationalize your software. Looking for effective ways to "get stuff done" in Python? This is your guide. Python foundations, including a brief introduction to the language How to automate text, write command-line tools, and automate the filesystem Linux utilities, package management, build systems, monitoring and instrumentation, and automated testing Cloud computing, infrastructure as code, Kubernetes, and serverless Machine learning operations and data engineering from a DevOps perspective Building, deploying, and operationalizing a machine learning project

A history of one of the most influential American companies of the last century. For decades, IBM shaped the way the world did business. IBM products were in every large organization, and IBM corporate culture established a management style that was imitated by companies around the globe. It was "Big Blue," an icon. And yet over the years, IBM has gone through both failure and success, surviving flatlining revenue and forced reinvention. The company almost went out of business in the early 1990s, then came back strong with new business strategies and an emphasis on artificial intelligence. In this authoritative, monumental history, James Cortada tells the story of one of the most influential American companies of the last century. Cortada, a historian who worked at IBM for many years, describes IBM's technology breakthroughs, including the development of the punch card (used for automatic tabulation in the 1890 census), the calculation and printing of the first Social Security checks in the 1930s, the introduction of the PC to a mass audience in the 1980s, and the company's shift in focus from hardware to software. He discusses IBM's business culture and its orientation toward employees and customers; its global expansion; regulatory and legal issues, including antitrust litigation; and the track records of its CEOs. The secret to IBM's unequalled longevity in the information technology market, Cortada shows, is its capacity to adapt to changing circumstances and technologies.

Facebook????????App Center????????!Web???(PHP?JavaScript)????????????????(iOS&Android)????????????????Web????????Amazon EC2????????????????

Robotics Process Automation (RPA) is one of the most sought after and yet misunderstood process automation tools on the market today. Often sold by vendors as an Artificial Intelligence (AI) tool, the truth about what RPA actually is, how it works and how to deploy it is treated as insider knowledge requiring costly consulting engagements to get up to speed. This concise book presents the reality of RPA from the perspective of a seasoned business practitioner. You will learn about what RPA is, why it is not AI, RPA's architecture, how to identify valuable RPA use-cases, the vendor landscape, common billing models, how to select a vendor, how to build an RPA team and ethical considerations for your workforce.

Design RPA solutions to perform a wide range of transactional tasks with minimal cost and maximum ROI Key Features A beginner's guide to learn Robotic Process Automation and its impact on the modern world Design, test, and perform enterprise automation task with UiPath Create Automation apps and deploy them to all the computers in your department. Book Description Robotic Process Automation (RPA) enables automating business processes using software robots. Software robots interpret, trigger responses, and communicate with other systems just like humans do. Robotic processes and intelligent automation tools can help businesses improve the effectiveness of services faster and at a lower cost than current methods. This book is the perfect start to your automation journey, with a special focus on one of the most popular RPA tools: UiPath. Learning Robotic Process Automation takes you on a journey from understanding the basics of RPA to advanced implementation techniques. You will become oriented in the UiPath interface and learn about its workflow. Once you are familiar with the environment, we will get hands-on with automating different applications such as Excel, SAP, Windows and web applications, screen and web scraping, working with user events, as well as understanding exceptions and debugging. By the end of the book, you'll not only be able to build your first software bot, but also you'll wire it to perform various automation tasks with the help of best practices for bot deployment. What you will learn Understand Robotic Process Automation technology Learn UiPath programming techniques to deploy robot configurations Explore various data extraction techniques Learn about integrations with various popular applications such as SAP and MS Office Debug a programmed robot including logging and exception handling Maintain code version and source control Deploy and control Bots with UiPath Orchestrator Who this book is for If you would like to pursue a career in Robotic Process Automation or improve the efficiency of your businesses by automating common tasks, then this book is perfect for you. Prior programming knowledge of either Visual Basic or C# will be useful.

In 2005, Microsoft quietly announced an initiative to bring dynamic languages to the .NET platform. The starting point for this project was a .NET implementation of Python, dubbed IronPython. After a couple years of incubation, IronPython is ready for real-world use. It blends the simplicity, elegance, and dynamism of Python with the power of the .NET framework. IronPython in Action offers a comprehensive, hands-on introduction to Microsoft's exciting new approach for programming the .NET framework. It approaches IronPython as a first class .NET language, fully integrated with the .NET environment, Visual Studio, and even the open-source Mono implementation. You'll learn how IronPython can be embedded as a ready-made scripting language into C# and VB.NET programs, used for writing full applications or for web development with ASP. Even better,

you'll see how IronPython works in Silverlight for client-side web programming. IronPython opens up exciting new possibilities. Because it's a dynamic language, it permits programming paradigms not easily available in VB and C#. In this book, authors Michael Foord and Christian Muirhead explore the world of functional programming, live introspection, dynamic typing and duck typing, metaprogramming, and more. IronPython in Action explores these topics with examples, making use of the Python interactive console to explore the .NET framework with live objects. The expert authors provide a complete introduction for programmers to both the Python language and the power of the .NET framework. The book also shows how to extend IronPython with C#, extending C# and VB.NET applications with Python, using IronPython with .NET 3.0 and Powershell, IronPython as a Windows scripting tool, and much more. Purchase of the print book comes with an offer of a free PDF, ePub, and Kindle eBook from Manning. Also available is all code from the book.

Learn to use PowerShell, Microsoft's scripting language, to automate real-world tasks that IT professionals and system administrators deal with every day. Save Time. Automate. PowerShell® is both a scripting language and an administrative shell that lets you control and automate nearly every aspect of IT. In PowerShell for Sysadmins, five-time Microsoft® MVP "Adam the Automator" Bertram shows you how to use PowerShell to manage and automate your desktop and server environments so that you can head out for an early lunch. You'll learn how to:

- Combine commands, control flow, handle errors, write scripts, run scripts remotely, and test scripts with the PowerShell testing framework, Pester
- Parse structured data like XML and JSON, work with common domains (like Active Directory, Azure, and Amazon Web Services), and create a real-world server inventory script
- Design and build a PowerShell module to demonstrate PowerShell isn't just about ad-hoc scripts
- Use PowerShell to create a hands-off, completely automated Windows deployment
- Build an entire Active Directory forest from nothing but a Hyper-V host and a few ISO files
- Create endless Web and SQL servers with just a few lines of code!

Real-world examples throughout help bridge the gap between theory and actual system, and the author's anecdotes keep things lively. Stop with the expensive software and fancy consultants. Learn how to manage your own environment with PowerShell for Sysadmins and make everyone happy. Covers Windows PowerShell v5.1

This book is intended to help management and other interested parties such as engineers, to understand the state of the art when it comes to the intersection between AI and Industry 4.0 and get them to realise the huge possibilities which can be unleashed by the intersection of these two fields. We have heard a lot about Industry 4.0, but most of the time, it focuses mainly on automation. In this book, the authors are going a step further by exploring advanced applications of Artificial Intelligence (AI) techniques, ranging from the use of deep learning algorithms in order to make predictions, up to an implementation of a full-blown Digital Triplet system. The scope of the book is to showcase what is currently brewing in the labs with the hope of migrating these technologies towards the factory floors. Chairpersons and CEOs must read these papers if they want to stay at the forefront of the game, ahead of their competition, while also saving huge sums of money in the process.

Filled with practical, step-by-step instructions and clear explanations for the most important and useful tasks. This is a Packt Instant How-to guide, which provides concise and clear recipes for getting started with AutoIt. Instant AutoIt Scripting Essentials How-to is for beginners who wish to know more about automation and programming, system administration developers who intent to automate/manage clusters and servers, and for computer programmers who want to control any PC to create seamless automation apps. It is simple to start robotic process automation at your organization as long as you start small. If you make it more complicated than it needs to be or try to have one person do everything, then you're destined to fail. In this guide to implementing RPA, the author examines critical issues, including how to: overcome common problems when implementing RPA in a full-scale effort; start an RPA implementation and successfully carry it out; obtain funding and support from leaders; and build an RPA team poised to succeed. The book includes pros and cons of various deployment strategies as well as key factors to consider for each option. Its filled with real examples and time lines to give you a realistic view of how to manage the process. This is a perfect quick-start guide to ensuring your organization has thought of all of the factors required to successfully navigate your RPA deployment.

We have never lived at a time of faster and more transformative technological and societal changes. It can be hard for executives to keep up with the developments and shifts. This book cuts through all of the hype and presents the key business trends anyone should be aware of now as they will shape businesses into the foreseeable future. Business Trends in Practice includes case studies across all industries, with companies such as: Tesla, Ocado, Netflix, Microsoft, Google, Alibaba, Rolls Royce, Mercedes Benz, Apple, and many more. Some of the key trends the author will examine include: The AI revolution Robots and business processes automation Remote working, working from home and new flexibility Social & environmental Responsibility Increased Diversity As part of Bernard Marr's popular 'In Practice' series, Business Trends in Practice will help you identify the key business trends that will keep you one step ahead of the competition.

This book gathers selected research papers presented at the International Conference on Communication and Intelligent Systems (ICIS 2020), organized jointly by Birla Institute of Applied Sciences, Uttarakhand, and Soft Computing Research Society during 26-27 December 2020. This book presents a collection of state-of-the-art research work involving cutting-edge technologies for communication and intelligent systems. Over the past few years, advances in artificial intelligence and machine learning have sparked new research efforts around the globe, which explore novel ways of developing intelligent systems and smart communication technologies. The book presents single- and multi-disciplinary research on these themes in order to make the latest results available in a single, readily accessible source. Robotics & Cognitive technology is changing the world around you Robotic Process Automation (RPA) is an exciting field that is revolutionizing the way tasks are done. Algorithms are taking over the jobs done by individuals in various markets. RPA is perfect for eliminating redundant, repetitive tasks that are holding you back from working on things that really require your attention. We are on the cusp of a revolution that is going to eliminate a lot of jobs. Rather than wait for your own job to get automated or redundant, we recommend joining the automation revolution and obtaining the skills that will enable further automation. Rise of the Robots This is the perfect book for you if you are looking to become an automation consultant - a field that is poised to grow dramatically in the next few years with mass unemployment becoming an increasingly probable reality. Getting into automation by specializing in RPA is an option for people who are programmers as well as non-programmers due to their intuitive design

& no-code developer environments. This fascinating book features quick-start advice on how to get going with this powerful technology. We will be looking at deployment strategies, platform selection guidance, RPA project management, programming techniques and automation scenarios across a variety of different applications like Windows, Microsoft Excel, Databases, SAP, etc. Richard provides an overview of multiple, highly rated RPA platforms including Blue Prism, UiPath, Automation Anywhere, Softomotive Winautomation, etc. He also looks at the future of automation and how cognitive technologies, Machine Learning & Artificial Intelligence are expected to dramatically enhance the speed and efficiency of business in the machine age. RPA is being successfully applied to e-commerce, back-office processes, banks, financial service companies, Business Process Outsourcing, etc. Contents include: The evolution of automation technology How RPA is transforming enterprises Overview of RPA Platforms Robot Security RPA Use Cases A must-read for entrepreneurs looking to cut costs at their startup, programmers who want to stay relevant in a fast-changing world of automation, students or anyone looking to transform their careers, lives and the world around them.

Learning Processing, Second Edition, is a friendly start-up guide to Processing, a free, open-source alternative to expensive software and daunting programming languages. Requiring no previous experience, this book is for the true programming beginner. It teaches the basic building blocks of programming needed to create cutting-edge graphics applications including interactive art, live video processing, and data visualization. Step-by-step examples, thorough explanations, hands-on exercises, and sample code, supports your learning curve. A unique lab-style manual, the book gives graphic and web designers, artists, and illustrators of all stripes a jumpstart on working with the Processing programming environment by providing instruction on the basic principles of the language, followed by careful explanations of select advanced techniques. The book has been developed with a supportive learning experience at its core. From algorithms and data mining to rendering and debugging, it teaches object-oriented programming from the ground up within the fascinating context of interactive visual media. This book is ideal for graphic designers and visual artists without programming background who want to learn programming. It will also appeal to students taking college and graduate courses in interactive media or visual computing, and for self-study. A friendly start-up guide to Processing, a free, open-source alternative to expensive software and daunting programming languages No previous experience required—this book is for the true programming beginner! Step-by-step examples, thorough explanations, hands-on exercises, and sample code supports your learning curve

THE ONLY HANDS-ON, UP-TO-DATE GUIDE TO VBSCRIPT, THE WINDOWS COMMAND LINE, AND WINDOWS POWERSHELL Windows 7 and Vista contain state-of-the-art tools for streamlining or automating virtually any system management task. If you're a power user, administrator, or developer, these tools can help you eliminate repetitive work and manage your systems far more reliably and effectively. Renowned Windows expert Brian Knittel brings together the practical knowledge you need to use all these tools, including VBScript and Windows Scripting Host (WSH), traditional batch files, the advanced PowerShell command console, and more. Using plenty of examples, Knittel explains how each tool works, and how to solve real-world problems with them. You'll master techniques ranging from accessing files to manipulating the Registry, sending automated emails to configuring new users. Knittel also provides concise, handy references to Windows 7/Vista's command line, GUI scripting, and object-based management tools. The only single-source guide to all leading methods of Windows scripting and automation, this book will help you get far more done—in far less time! Understand Windows Scripting Host (WSH) and the modern Windows scripting environment Script objects with VBScript, JScript, ActivePerl, and ActivePython Read and write files, including XML and HTML files Manipulate programs and shortcuts Manage network, printer, and fax connections Make the most of PowerShell under Windows 7 and Vista Monitor and administer Windows systems with Windows Management Interface (WMI) Use ADSI to control Active Directory and Microsoft Exchange, and manage users more efficiently Avoid mistakes that can compromise script security Use Windows' debugging tools to test and troubleshoot scripts Develop batch files that take full advantage of the command line Send faxes and email messages from scripts with Windows Fax and Collaboration Data Objects (CDO) Deploy your scripts throughout your organization Brian Knittel has been a software developer for more than 30 years. He has coauthored five titles in Que's Special Edition Using series, covering Microsoft Windows Vista, XP, and 2000. He is also author of Windows XP Under the Hood, and coauthor of Upgrading and Repairing Windows (with Scott Mueller).

This textbook offers a survey of all the major microcomputer operating systems through real-world case studies, annotated illustrations, and step-by-step tutorials and projects. It is designed for IT students who want to learn how to install, configure, and troubleshoot operating systems. This book will teach the basic functions of an operating system, such as the graphical user interface, memory management, device management, and file management. It also explains how to install, configure, and troubleshoot each of the major microcomputer operating systems, including DOS, Windows, Macintosh, UNIX, and, Linux, as well as explain the purpose of operating systems in different hardware environments, such as microcomputers and networks.

This book distills into a single coherent handbook all the essentials of process automation at a depth sufficient for most practical purposes. The handbook focuses on the knowledge needed to cope with the vast majority of process control and automation situations. In doing so, a number of sensible balances have been carefully struck between breadth and depth, theory and practice, classical and modern, technology and technique, information and understanding. A thorough grounding is provided for every topic. No other book covers the gap between the theory and practice of control systems so comprehensively and at a level suitable for practicing engineers.

Learn how to design and develop robotic process automation solutions with Blue Prism to perform important tasks that enable value creation in your work Key Features Develop robots with Blue Prism Automate your work processes with Blue Prism Learn basic skills required to train a robot for process automation Book Description Robotic process automation is a form of business process automation where user-configured robots can emulate the actions of users. Blue Prism is a pioneer of robotic process automation software, and this book gives you a solid foundation to programming robots with Blue Prism. If you've been tasked with automating work processes, but don't know where to start, this is the book for you! You begin with the business case for robotic process automation, and then move to implementation techniques with the leading software for enterprise automation, Blue Prism. You will become familiar with the Blue Prism Studio by creating your first process. You will build upon this by adding pages, data items, blocks, collections, and loops. You will build more complex processes by learning about actions, decisions, choices, and calculations. You will move on to teach your robot to interact with applications such as Internet Explorer. This can be used for spying elements that identify what your robot needs to interact with on the screen. You will build the logic behind a business objects by using read, write, and wait stages. You will then enable your robot to read and write to Excel and CSV files. This will finally lead you to train your robot to read and send emails in Outlook. You will learn about the Control Room, where you will practice adding items to a queue, processing the items and updating the work status. Towards the end of this book you will also teach your robot to handle errors and deal with exceptions. The book concludes with tips and coding best practices for Blue Prism. What you will learn Learn why and when to introduce robotic automation into your business processes Work with Blue Prism Studio Create automation processes in Blue Prism Make use of decisions and choices in your robots Use UI Automation mode, HTML mode, Region mode, and spying Learn how to raise exceptions Get the robot to deal with errors Learn Blue Prism coding best practices Who this book is for The book is aimed at end users such as citizen developers who create business processes, but may not have the basic programming skills required to train a robot.No experience of BluePrism is required.

Microsoft Power Automate is a workflow automation solution included in Microsoft 365. This book explores the core concepts of workflow automation, such as working with connectors, triggers, and actions,

along with their practical implementation in automating business tasks and simplifying digital processes to boost enterprise productivity.

This book constitutes revised papers from the twelve International Workshops held at the 17th International Conference on Business Process Management, BPM 2019, in Vienna, Austria, in September 2019: The third International Workshop on Artificial Intelligence for Business Process Management (AI4BPM) The third International Workshop on Business Processes Meet Internet-of-Things (BP-Meet-IoT) The 15th International Workshop on Business Process Intelligence (BPI) The first International Workshop on Business Process Management in the era of Digital Innovation and Transformation (BPMInDIT) The 12th International Workshop on Social and Human Aspects of Business Process Management (BPMS2) The 7th International Workshop on Declarative, Decision and Hybrid approaches to processes (DEC2H) The second International Workshop on Methods for Interpretation of Industrial Event Logs (MIEL) The first International Workshop on Process Management in Digital Production (PM-DiPro) The second International Workshop on Process-Oriented Data Science for Healthcare (PODS4H) The fourth International Workshop on Process Querying (PQ) The second International Workshop on Security and Privacy-enhanced Business Process Management (SPBP) The first International Workshop on the Value and Quality of Enterprise Modelling (VEnMo) Each of the workshops discussed research still in progress and focused on aspects of business process management, either a particular technical aspect or a particular application domain. These proceedings present the work that was discussed during the workshops.

Turbocharge your web browsing! Updated 11/21/2019 For most of us, the one app we couldn't possibly live without is a web browser. You can do almost anything in a browser these days...but are you browsing with one hand tied behind your back? It's easy to get into inefficient browsing habits, but you might be surprised at what a little know-how about this everyday tool can do for your efficiency and happiness. Take Control of Your Browser, by veteran tech writer Robyn Weisman, helps you discover your browser's hidden talents, increase browsing speed, solve many common problems, and configure settings and extensions for maximum efficiency. If you're troubled by ads, frustrated by ineffective searches, or confused by inscrutable error messages, this book will help you overcome your problems. Beginners will find lots of practical how-to advice, and even power users will learn tips and tricks for better browsing. This book answers many common questions, including the following: • What are the similarities and differences among browsers—and how can I choose the right browser (or more than one!) for my needs? • What makes Chrome, Firefox, and Safari the “big three” browsers and why should I care? • Is Internet Explorer still a good choice for Windows users? (Spoiler: no!) What about Microsoft Edge? • When should I consider less-popular browsers such as Brave, Opera, Tor, and Vivaldi? • What are my options if I accidentally close a tab or window (or lots of them) in my browser? • How do I address the common problem of tab overload? • What are the quickest ways to navigate through browser tabs and windows? • Are bookmarks even a thing anymore? Should I use them always, never, or only on occasion? • Which search engine should I use, and how can I find exactly what I'm looking for in a web search? • How can I protect my privacy and security while browsing the web? • How do web cookies work, and what can I do to block the ones I don't want? • Is there some way to stop the endless curse of autoplaying video? • Are private browsing modes truly private? • How can I safely make purchases in my browser? • My browser is doing something annoying (autoplaying videos, showing tons of ads, pestering me with notifications, etc.). How can I fix it? • What can I do if a page just won't load properly? • Are there any tricks I can use to make my web browsing quicker and more efficient? (Yes!) • Should I be using extensions to add features to my browser? If so, which ones? • How can I sync my bookmarks, tabs, and other browser data across all my devices? • What should I be aware of when using a browser on my iOS/iPadOS or Android device? This book covers popular browser for both Mac and Windows, along with an introduction to browser basics for iOS/iPadOS and Android.

Decades of software testing experience condensed into the most important lessons learned. The world's leading software testing experts lend you their wisdom and years of experience to help you avoid the most common mistakes in testing software. Each lesson is an assertion related to software testing, followed by an explanation or example that shows you the how, when, and why of the testing lesson. More than just tips, tricks, and pitfalls to avoid, Lessons Learned in Software Testing speeds you through the critical testing phase of the software development project without the extensive trial and error it normally takes to do so. The ultimate resource for software testers and developers at every level of expertise, this guidebook features: \* Over 200 lessons gleaned from over 30 years of combined testing experience \* Tips, tricks, and common pitfalls to avoid by simply reading the book rather than finding out the hard way \* Lessons for all key topic areas, including test design, test management, testing strategies, and bug reporting \* Explanations and examples of each testing trouble spot help illustrate each lesson's assertion

Robotic Process Automation helps businesses to automate systems to reduce human efforts for tasks that are monotonous and can be performed by machines. This project based guide expands on the RPA principles and helps you build automation solutions for the real world using the most popular RPA tools - UiPath and Automation Anywhere Cloud.

While Robotic Process Automation (RPA) has been around for about 20 years, it has hit an inflection point because of the convergence of cloud computing, big data and AI. This book shows you how to leverage RPA effectively in your company to automate repetitive and rules-based processes, such as scheduling, inputting/transferring data, cut and paste, filling out forms, and search. Using practical aspects of implementing the technology (based on case studies and industry best practices), you'll see how companies have been able to realize substantial ROI (Return On Investment) with their implementations, such as by lessening the need for hiring or outsourcing. By understanding the core concepts of RPA, you'll also see that the technology significantly increases compliance – leading to fewer issues with regulations – and minimizes costly errors. RPA software revenues have recently soared by over 60 percent, which is the fastest ramp in the tech industry, and they are expected to exceed \$1 billion by the end of 2019. It is generally seamless with legacy IT environments, making it easier for companies to pursue a strategy of digital transformation and can even be a gateway to AI. The Robotic Process Automation Handbook puts everything you need to know into one place to be a part of this wave. What You'll Learn Develop the right strategy and plan Deal with resistance and fears from employees Take an in-depth look at the leading RPA systems, including where they are most effective, the risks and the costs Evaluate an RPA system Who This Book Is For IT specialists and managers at mid-to-large companies

If you need some insightful pointers on how to succeed in the automation business, or an overview of today's and tomorrow's hot technologies, then this is the book for you. An updated and enhanced collection of ISA's "Pinto's Points" columns, published every week as part of InTech News, the book covers management topics, globalization, sales and marketing as well as nanotechnology, micro-electronic mechanical systems, robotics and wireless systems. Once again Jim Pinto has gone beyond business as usual to explore the implications of future technology and how it will change the global automation marketplace. Conveniently organized and with insights from other

industry leaders, this book is a must read for every automation professional and a classic for your automation library bookshelf.

This book constitutes the proceedings of the Blockchain and Robotic Process Automation (RPA) Forum which was held as part of the 18th International Conference on Business Process Management, BPM 2020. The conference was planned to take place in Seville, Spain, in September 2020. Due to the COVID-19 pandemic the conference took place virtually. The Blockchain Forum and the RPA Forum have in common that they are centered around an emerging and exciting technology. The blockchain is a sophisticated distributed ledger technology, while RPA software allows for mimicking human, repetitive actions. Each of these have the potential to fundamentally change how business processes are being orchestrated and executed in practice. The BPM community has embraced these technologies as objects of analysis, design, development, and evaluation. The 14 full plus one short paper presented in this volume were carefully reviewed and selected from a total of 28 submissions.

Successful software depends as much on scrupulous testing as it does on solid architecture or elegant code. But testing is not a routine process, it's a constant exploration of methods and an evolution of good ideas. Beautiful Testing offers 23 essays from 27 leading testers and developers that illustrate the qualities and techniques that make testing an art. Through personal anecdotes, you'll learn how each of these professionals developed beautiful ways of testing a wide range of products -- valuable knowledge that you can apply to your own projects. Here's a sample of what you'll find inside: Microsoft's Alan Page knows a lot about large-scale test automation, and shares some of his secrets on how to make it beautiful Scott Barber explains why performance testing needs to be a collaborative process, rather than simply an exercise in measuring speed Karen Johnson describes how her professional experience intersected her personal life while testing medical software Rex Black reveals how satisfying stakeholders for 25 years is a beautiful thing Mathematician John D. Cook applies a classic definition of beauty, based on complexity and unity, to testing random number generators All author royalties will be donated to the Nothing But Nets campaign to save lives by preventing malaria, a disease that kills millions of children in Africa each year. This book includes contributions from: Adam Goucher Linda Wilkinson Rex Black Martin Schröder Clint Talbert Scott Barber Kamran Khan Emily Chen Brian Nitz Remko Tronçon Alan Page Neal Norwitz Michelle Levesque Jeffrey Yasskin John D. Cook Murali Nandigama Karen N. Johnson Chris McMahon Jennitta Andrea Lisa Crispin Matt Heusser Andreas Zeller David Schuler Tomasz Kojm Adam Christian Tim Riley Isaac Clerencia

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