

Blue Prism Robotic Process Automation

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Blue Prism Robotic Process Automation

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RILEY HUGHES

Futureproof Packt Publishing Ltd
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

Robotic Process Automation with Automation Anywhere Oxford University Press

The digital transformation is in full swing and fundamentally changes how we live, work, and communicate with each other. From retail to finance, many industries see an inflow of new technologies, disruption through innovative platform business

models, and employees struggling to cope with the significant shifts occurring. This Fourth Industrial Revolution is predicted to also transform Logistics and Supply Chain Management, with delivery systems becoming automated, smart networks created everywhere, and data being collected and analyzed universally. The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution provides a holistic overview of this vital subject clouded by buzz, hype, and misinformation. The book is divided into three themed-sections: Technologies such as self-driving cars or virtual reality are not only electrifying science fiction lovers anymore, but are also increasingly presented as cure-all remedies to supply chain challenges. In The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution, the authors peel back the layers of excitement that have grown around new technologies such as the Internet of Things (IoT), 3D printing, Robotic Process Automation (RPA), Blockchain or Cloud computing, and show use cases that give a glimpse about the fascinating future we can expect. Platforms that allow businesses to centrally acquire and manage their logistics services disrupt an industry that has been relationship-based for centuries. The authors discuss smart contracts, which are one of the most exciting applications of Blockchain, Software as a Service (SaaS) offerings for freight procurement, where numerous data sources can be integrated and decision-making processes automated, and marine terminal operating systems as an integral node for shipments. In The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution, insights are shared into the cold chain industry where companies respond to increasing quality demands, and how European governments are innovatively responding to challenges of cross-border eCommerce. People are a vital element of the digital transformation and must be on board to drive change. The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution explains how executives can create sustainable impact

and how competencies can be managed in the digital age - especially for sales executives who require urgent upskilling to remain relevant. Best practices are shared for organizational culture change, drawing on studies among senior leaders from the US, Singapore, Thailand, and Australia, and for managing strategic alliances with logistics service providers to offset risks and create cross-functional, cross-company transparency. The Digital Transformation of Logistics: Demystifying Impacts of the Fourth Industrial Revolution provides realistic insights, a ready-to-use knowledge base, and a working vocabulary about current activities and emerging trends of the Logistics industry. Intended readers are supply chain professionals working for manufacturing, trading, and freight forwarding companies as well as students and all interested parties.

[Advanced Microsoft Content Management Server Development](#) Springer Science & Business Media

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.

Business Process Management

Workshops Taylor & Francis

Discover Automation Anywhere best practices and strategies for building scalable automation solutions for your organization

Key Features Build RPA robots using the latest features of cloud-based Automation Anywhere A2019 Explore real-world scenarios with AA A2019 to understand the wide range of capabilities available for your RPA projects

Build complete software robots to automate business processes with the help of step-by-step walkthroughs

Book Description With an increase in the number of organizations deploying RPA solutions, Robotic Process Automation (RPA) is quickly becoming the most desired skill set for both developers starting their career and seasoned professionals. This book will show you how to use Automation Anywhere A2019, one of the leading platforms used widely for RPA. Starting with an introduction to RPA and Automation Anywhere, the book will guide you through the registration, installation, and configuration of the Bot agent and Control Room. With the help of easy-to-follow instructions, you'll build your first bot and discover how you can automate tasks with Excel, Word, emails, XML, and PDF files. You'll learn from practical examples based on real-world business scenarios, and gain insights into building more robust and resilient bots, executing external scripts such as VBScripts and Python, and adding error handling routines. By the end of this RPA book, you'll have developed the skills required to

install and configure an RPA platform confidently and have a solid understanding of how to build complex and robust, yet performant, bots. What you will learn

- Explore effective techniques for installing and configuring an Automation Anywhere A2019 platform
- Build software robots to automate tasks and simplify complex business processes
- Design resilient bots that are modular and reusable
- Understand how to add error handling functionality and discover troubleshooting techniques
- Design bots to automate tasks in Excel, Word, emails, XML, and PDF files
- Implement effective automation strategies using RPA best practices

Who this book is for This Automation Anywhere RPA book is for automation engineers, RPA professionals, and automation consultants who are looking to explore the capabilities of Automation Anywhere for building intelligent automation strategy for enterprises. A solid understanding of programming concepts and exposure to the Automation Anywhere platform is necessary to get started with this book.

The Digital Transformation of Logistics "O'Reilly Media, Inc."

A New York Times bestselling author and tech columnist's counter-intuitive guide to staying relevant - and employable - in the machine age by becoming irreplaceably human. It's not a future scenario any more. We've been taught that to compete with automation and AI, we'll have to become more like the machines themselves, building up technical skills like coding. But, there's simply no way to keep up. What if all the advice is wrong? And what do we need to do instead to become futureproof? We tend to think of automation as a blue-collar phenomenon that will affect truck drivers, factory workers, and other people with repetitive manual jobs. But it's much, much broader than that. Lawyers are being automated out of existence. Last year, JPMorgan Chase built a piece of software called COIN, which uses machine learning to review complicated contracts and documents. It used to take the firm's lawyers more than 300,000 hours every year to review all of those documents. Now, it takes a few seconds, and requires just one human to run the program. Doctors are being automated out of existence, too. Last summer, a Chinese tech company built a deep learning algorithm that diagnosed brain cancer and other diseases faster and more accurately than a team of 15 top Chinese doctors. Kevin Roose has spent the past few years studying the question of how people, communities, and organisations adapt to

periods of change, from the Industrial Revolution to the present. And the insight that is sweeping through Silicon Valley as we speak -- that in an age dominated by machines, it's human skills that really matter - is one of the more profound and counter-intuitive ideas he's discovered. It's the antidote to the doom-and-gloom worries many people feel when they think about AI and automation. And it's something everyone needs to hear. In nine accessible, prescriptive chapters, Roose distills what he has learned about how we will survive the future, that the way to become futureproof is to become incredibly, irreplaceably human.

Learning Robotic Process Automation

Springer Nature

This book constitutes the proceedings of the 18th International Conference on Business Process Management, BPM 2020, held in Seville, Spain, in September 2020. The conference was held virtually due to the COVID-19 pandemic. The 27 full papers included in this volume were carefully reviewed and selected from 125 submissions. Two full keynote papers are also included. The papers are organized in topical sections named: foundations; engineering; and management.

Digital Business Strategies in Blockchain Ecosystems Springer Nature

Software services are established as a programming concept, but their impact on the overall architecture of enterprise IT and business operations is not well-understood. This has led to problems in deploying SOA, and some disillusionment. The SOA Source Book adds to this a collection of reference material for SOA. It is an invaluable resource for enterprise architects working with SOA. The SOA Source Book will help enterprise architects to use SOA effectively. It explains: What SOA is How to evaluate SOA features in business terms How to model SOA How to use The Open Group Architecture Framework (TOGAF) for SOA SOA governance This book explains how TOGAF can help to make an Enterprise Architecture. Enterprise Architecture is an approach that can help management to understand this growing complexity.

Robotic Process Automation (RPA) - Digitization and Automation of Processes John Wiley & Sons

This book provides a practice-oriented overview of the necessary prerequisites, the mode of operation, and the individual steps for the successful introduction of Robotic Process Automation (RPA). In addition to theoretical basics, practical examples from controlling and accounting illustrate the enormous potential of this technology....

Robotic Process Automation Hachette UK President Putin's explicit declaration that the country that makes progress in artificial intelligence will rule the world has launched a new race for dominance. In this era of cognitive competition and total automation, every country understands that it must rapidly adopt AI or go bust. To stay competitive a country must have a strategy. But how should a government proceed? What areas it must focus on? Where should it even start? This book provides answers to these important, yet pertinent, questions and more. Presenting the viewpoints of global experts and thought leaders on key issues relating to AI and government policies, this book directs us to the future.

Healthcare Digital Transformation

Bloomsbury Publishing

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.

Implementing Oracle Integration Cloud Service Apress

Artificial intelligence touches nearly every part of your day. While you may initially assume that technology such as smart speakers and digital assistants are the extent of it, AI has in fact rapidly become a general-purpose technology, reverberating across industries including transportation, healthcare, financial services, and many more. In our modern era, an understanding of AI and its possibilities for your organization is essential for growth and success. Artificial Intelligence Basics has arrived to equip you with a fundamental, timely grasp of AI and its impact. Author Tom Taulli provides an engaging, non-technical introduction to important concepts such as machine learning, deep learning, natural language processing (NLP), robotics, and more. In addition to guiding you through real-world case studies and practical implementation steps, Taulli uses his expertise to expand on the bigger questions that surround AI. These include societal trends, ethics, and future impact AI will have on world governments, company structures, and daily life. Google, Amazon, Facebook, and similar tech giants are far from the only organizations on which artificial intelligence has had—and will continue to have—an incredibly significant result. AI is the present and the future of your business as well as your home life. Strengthening your prowess on the subject will prove invaluable to your preparation for the future of tech, and Artificial Intelligence Basics is the indispensable guide that you've been seeking. What You Will Learn Study the core principles for AI approaches such as machine learning, deep learning, and NLP (Natural Language Processing) Discover the best practices to successfully implement AI by examining case studies including Uber, Facebook, Waymo, UiPath, and Stitch Fix Understand how AI capabilities for robots can improve business Deploy chatbots and Robotic Processing Automation (RPA) to save costs and improve customer service Avoid costly gotchas Recognize ethical concerns and

other risk factors of using artificial intelligence Examine the secular trends and how they may impact your business Who This Book Is For Readers without a technical background, such as managers, looking to understand AI to evaluate solutions.

SOA Source Book John Wiley & Sons This book comprises the proceedings of the International Perm Forum "Science and Global Challenges of the 21st Century" held on October 18th - 23rd, 2021, at Perm State University, Perm, Russia. Global challenges, which determine the main trends in the development of social and economic life in the XXI century, require the integration of specialists in various fields of knowledge. That is why the main principle of this edition is interdisciplinarity, the formation of end-to-end innovation chains, including fundamental and applied research, and the wide application of smart innovations, networks, and information technologies. The authors seek to find synergy between technologies and such fields as computer science, geosciences, biology, linguistics, social studies, historical studies, and economics. The book is of interest to researchers seeking nontrivial solutions at the interface of sciences, digital humanities, computational linguistics, cognitive studies, machine learning, and others.

Practical Process Automation Springer Science & Business Media

ROBOTIC PROCESS AUTOMATION

Presenting the latest technologies and practices in this ever-changing field, this groundbreaking new volume covers the theoretical challenges and practical solutions for using robotics across a variety of industries, encompassing many disciplines, including mathematics, computer science, electrical engineering, information technology, mechatronics, electronics, bioengineering, and command and software engineering. Robotics is the study of creating devices that can take the place of people and mimic their behaviors. Mechanical engineering, electrical engineering, information engineering, mechatronics, electronics, bioengineering, computer engineering, control engineering, software engineering, mathematics, and other subjects are all included in robotics. Robots can be employed in a variety of scenarios and for a variety of objectives, but many are now being used in hazardous areas (such as radioactive material inspection, bomb detection, and deactivation), manufacturing operations, or in conditions where humans are unable to live (e.g. in space, underwater, in high heat, and clean

up and containment of hazardous materials and radiation). Walking, lifting, speaking, cognition, and any other human activity are all attempted by robots. Many of today's robots are influenced by nature, making bio-inspired robotics a growing area. Defusing explosives, seeking survivors in unstable ruins, and investigating mines and shipwrecks are just a few of the activities that robots are designed to undertake. This groundbreaking new volume presents a Robotic Process Automation (RPA) software technique that makes it simple to create, deploy, and manage software robots that mimic human movements while dealing with digital systems and software. Software robots can interpret what's on a screen, type the correct keystrokes, traverse systems, locate and extract data, and do a wide variety of predetermined operations, much like people. Software robots can do it quicker and more reliably than humans, without having to stand up and stretch or take a coffee break.

Nine Keys to World-Class Business Process Outsourcing Apress

This book brings together experts from research and practice. It includes the design of innovative Robot Process Automation (RPA) concepts, the discussion of related research fields (e.g., Artificial Intelligence, AI), the evaluation of existing software products, and findings from real-life implementation projects. Similar to the substitution of physical work in manufacturing (blue collar automation), Robotic Process Automation tries to substitute intellectual work in office and administration processes with software robots (white-collar automation). The starting point for the development of RPA was the observation that – despite the use of process-oriented enterprise systems (such as ERP, CRM and BPM systems) – additional manual activities are still indispensable today. In the RPA approach, these manual activities are learned and automated by software robots, either by defining rules or by observing manual activities. RPA is related to business process management, machine learning, and artificial intelligence. Tools for RPA originated from dedicated stand-alone software. Today, RPA functionalities are also integrated into elaborated process management suites. From a conceptual perspective, RPA can be structured into input components (sensors in the wide sense), an intelligence center, and output components (actuators in the wide sense). From a strategic perspective, the impact of RPA can be related to the support of existing tasks, the complete substitution

of human activities, and the innovation of processes as well as business models. At present, high expectations are related to the use of RPA in the improvement of software-supported business processes. Manual activities are learned and automated by software robots that interact with existing applications via the presentation layer. In combination with artificial intelligence (AI) as well as innovative interfaces (e. g., voice recognition) RPA creates a novel level of automation for office and administration processes. Its benefit potential reaches a return on investment (ROI) up-to 800% that is documented in various case studies.

Robotics Process Automation Springer
Get creative and optimize your SAP SuccessFactors Recruiting implementation with this guide, which examines a variety of integration and automation opportunities throughout the recruiting process outside of the standard integrations. Innovative SAP SuccessFactors Recruiting walks you through the end-to-end recruiting process and highlights opportunities to create interfaces and automation at each stage using a variety of methods and tools. After a brief overview of the market demands driving growth in this area and an introduction to OData, Anand Athanur, Mark Ingram and Michael A. Wellens detail each step in the recruiting process, starting with automating and integrating requisition creation using APIs and middleware. They then explore ways of enhancing candidate attraction and experience for the initial application process. After that, they jump into automation for overall candidate selection and processing, including automation using Robotic Process Automation, Integration center, the assessment integration framework, custom OData integrations, the background check integration framework, and Business Rules. Additionally, you'll be shown onboarding optimization techniques using Intelligent Services, as well as hiring into third-party HRIS systems. After finishing this book, you will have a thorough understanding of how to utilize SAP SuccessFactors to recruit the right candidates for every position. What You Will Learn Integrate and automate the requisition creation process in innovative ways outside of SAP documentation Enhance candidate attraction and experience Leverage integration and automation opportunities within the application processing stage Automate hiring into third-party HRIS systems Who this Book For Customers, Consultants, and

3rd Party Vendors wishing to connect their solutions to SAP SuccessFactors Recruiting.

Artificial Intelligence Basics Packt Publishing Ltd

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.

Innovative SAP SuccessFactors

Recruiting KHANNA PUBLISHING HOUSE

This book examines real-world implementations of service automation technologies using Robotic Process Automation and Cognitive Automation tools. This newest, detailed research finds that RPA adoptions are accelerating, maturing, and scaling in global enterprise. The research covers multiple industries, applications, and shared services, and uses case studies to establish action principles and how to mitigate automation risks. The book also examines the first enterprise-worthy cognitive automation tools that use machine-learning algorithms to process big data, often in natural language form, and analyses three major detailed cases and the conditions for effective implementation. The book includes interviews with major clients, providers and analysts, and a detailed analysis of the automation and future of work debate. The book provides a compelling and incisive, evidence-based perspective on the direction and management of service automation, taking trends through to 2025. Automation technologies like RPA, CA, and the newest Blockchain technologies are found to transform and elevate human work rather than eliminate it.

Implementing CRM Springer Nature
Drawing on an international survey of over

1,000 business and executives, this book provides a management perspective on cloud technology. It outlines the need to know information for strategic decisions on cloud technology including its capabilities, how it can be implemented securely and the way forward for the next ten years.

Science and Global Challenges of the 21st Century - Science and Technology
Routledge

'Making IT Count: from strategy to implementation' focuses on the practical elements of delivering Information Technology strategy. Studies regularly show that over half of Information Technology strategies are never implemented, or are unsuccessful in delivering the desired results, and that a significant percentage of strategies implemented were never in the original plans. The linkage between strategy development and delivery needs a very clear focus; this is the key topic that the authors address. The book highlights eight major fallacies in managing IT, and eighteen better practices. It then details how to draw up strategy, instigate navigation techniques and make sourcing decisions. Change and delivery are a major focus, as is infrastructure development. Caselets and full length case studies of organizations such as General Electric, Siemens, Colonial Mutual, Charles Schwab, Macquarie Bank, ICI, United Airlines, Norwich Union, Walgreens and Dell and have been included to show how strategies have been successfully

implemented and managed.

Robotic Process Automation Unleashed: Streamlining Business Processes for a Digital Future Van Haren

Firms are continually seeking new ways to forge close relationships with their most valuable customers. With recent advances in networking and database management, firms have both the motivation and the means for improving their Customer Relationship Management (CRM) strategies. This book focuses on the actuality of implementing CRM. It is about the organization's ability to provide a seamless and personalized experience to each customer rather than a transactional or product-focused approach where the future of the relationship is not an overriding consideration. This book connects CRM systems implementation with organizational change for the first time. It looks into the factors that distinguish firms which connect with their customers and gain customer loyalty with firms that are not as successful. It also describes the micro-processes that occur on a daily basis in a company and all the small decisions managers and employees take during the implementation of change and the creation of knowledge. Finnegan and Willcocks note that CRM implementation is not the straightforward process that many of the trade publications would have us believe. They state the failure rate of large CRM projects may be as high as 70%. Through the lens of two detailed case studies, the authors investigate why CRM is no panacea.