The Promise Of Robotics Process Automation In The P2p Space

Robotic Process Automation (RPA) in the Financial Sector Robotic Process Automation with Automation Anywhere *Practical Process Automation* **The Robotic Process Automation Handbook** *Learning Robotic Process Automation Robotics Process Automation* **Robotic Process Automation with Blue Prism Quick Start Guide** *Practical Process Automation The Simple Implementation Guide to Robotic Process Automation (Rpa) Software Process Automation* **Robotic Process Automation in Desktop Publishing** BUSINESS PROCESS AUTOMATION Process Automation Handbook **Robotic Process Automation (RPA) in the Financial Sector** *Robotic Process Automation Projects Robotic Process Automation Tools, Process Automation and Their Benefits* **Robotic Process Automation Blockchain and Robotic Process Automation** *Intelligent Automation Simplified* **Workflow and Process Automation** *Measurement Technology for Process Automation Robotic Process Automation* Process Automation in a Medium-Sized Mechanical Engineering Company. Development of a Systematic Approach for the Identification of Potentials *Robotic Process Automation (RPA) in a company. Success factors and recommendations for the start* Workflow Automation with Microsoft Power Automate **Development of a Process-evaluation Method for Process Automation Via RPA** Modern Business Process Automation **Becoming Strategic with Robotic Process Automation** Mechatronic Systems and Process Automation **Introducing Robotic Process Automation to Your Organization** *Modern Business Process Automation* **Industrial Process Automation Systems Confluence of Artificial Intelligence and Robotic Process Automation Business Process Management: Blockchain and Robotic Process Automation Forum** The Effects of Robotic Process Automation in the Workplace on Income Tax Collections **Overview of Industrial Process Automation** *Digital Workforce* **Overview of Industrial Process Automation Process Automation Handbook** Getting started with RPA using Automation Anywhere

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Learning Robotic Process Automation Jun 29 2022 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.
The Effects of Robotic Process Automation in the Workplace on Income Tax Collections Nov 30 2019

Industrial Process Automation Systems Mar 03 2020 Industrial Process Automation Systems: Design and Implementation is a clear guide to the practicalities of modern industrial automation systems. Bridging the gap between theory and technician-level coverage, it offers a pragmatic approach to the subject based on industrial experience, taking in the latest technologies and professional practices. Its comprehensive coverage of concepts and applications provides engineers with the knowledge they need before referring to vendor documentation, while clear guidelines for implementing process control options and worked examples of deployments translate theory into practice with ease. This book is an ideal introduction to the subject for junior level professionals as well as being an essential reference for more experienced practitioners. Provides knowledge of the different systems available and their applications, enabling engineers to design automation solutions to solve real industry problems. Includes case studies and practical information on key items that need to be considered when procuring automation systems. Written by an experienced practitioner from a leading technology company
Modern Business Process Automation Aug 08 2020 The ?eld of Business Process Management (BPM) is marred by a seemingly e- less sequence of (proposed) industry standards. Contrary to other ?elds (e.g., civil or electronic

engineering), these standards are not the result of a widely supported consolidationofwell-understoodandwell-establishedconceptsandpractices.Inthe BPM domain, it is frequently the case that BPM vendors opportunistically become involved in the creation of proposed standards to exert or maintain their in?uence and interests in the ?eld. Despite the initial fervor associated with such standardi-tion activities, it is no less frequent that vendors either choose to drop their support for standards that they earlier championed on an opportunistic basis or elect only to partially support them in their commercial offerings. Moreover, the results of the standardization processes themselves are a concern. BPM standards tend to deal with complex concepts, yet they are never properly de?ned and all-too-often not informed by established research. The result is a plethoraof languagesand tools, with no consensuson conceptsand their implem- tation. They also fail to provide clear direction in the way in which BPM standards should evolve. One can also observe a dichotomy between the "business" side of BPM and its "technical" side. While it is clear that the application of BPM will fail if not placed in a proper business context, it is equally clear that its application will go nowhere if it remains merely a motivational exercise with schemas of business processes hanging on the wall gathering dust.
Robotic Process Automation Projects Aug 20 2021 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.

Getting started with RPA using Automation Anywhere Jun 25 2019 Learn RPA using Automation Anywhere with step-by-step practical implementation KEY FEATURES ● Get an overview of different stages in the Business Process Automation ● Learn how to use Automation Anywhere to automate business processes using commands such as Excel, Email, PDF, Database, XML, Web Services etc. ● Learn how to use commands together to automate process flows and standard industry use cases ● Learn how to develop bots in Bot Creator ● Learn to use Citrix AISense to capture objects in Citrix, Virtual Machine and Remote environment DESCRIPTION The book starts by giving an overview of Robotic Process Automation (RPA), its tools, and industry use cases. You will then get familiar with the Automation Anywhere Enterprise components and Architecture. Moving on, you will deep dive into the options provided in a Client application such as recorders, workbench, metabot designer and the types of bots in Automation Anywhere. You will then come across the practical implementation of variables in Automation. The book will then show how to implement commands such as Error Handling, XML, Web Services, FTP, OCR, PGP, String Operation, Files & Folders, etc. You will also get familiar with the working of Workflows and Workflow Manager. Towards the end, the book will teach you how to transfer bots to and from the Web Control Room and schedule bots from the Web Control Room. By the end of the book, you will be able to implement different commands provided in Automation Anywhere. WHAT YOU WILL LEARN ● Understand the fundamentals of Business Process Automation and its stages. ● Use commands such as Excel, PDF, Email, Database, Object Cloning, Loops, If-Else etc. together to create a bot to automate industry use cases. ● Use Variables, MetaBots, IQ bots and Citrix AISense to incorporate features such as Reusability, Cognitive Automation capabilities and Object Capturing in Citrix, Virtual Machine and Remote environment. ● Learn how to create reusable bots using MetaBots ● Develop bots in Bot Creator and upload and schedule them in Web Control Room to be automatically executed on Bot Runner. WHO THIS BOOK IS FOR The book is for anyone who wants to become a RPA developer. Professionals working in this field who want to upgrade themselves will find this book helpful. TABLE OF CONTENTS 1. Chapter 1: Automation Overview 2. Chapter 2: Introduction of RPA 3. Chapter 3: AAE Architecture 4. Chapter 4: Client Application 5. Chapter 5: Variables 6. Chapter 6: Use Cases 7. Chapter 7: Command Library 8. Chapter 8: Metabot 9. Chapter 9: Recorder 10. Chapter 10: Credential Variable 11. Chapter 11: IQ Bot 12. Chapter 12: Workflows 13. Chapter 13: System & Audit Logs 14. Chapter 14: Bot Transfer

Robotic Process Automation (RPA) in the Financial Sector Sep 20 2021 The book provides its readers with an overview of the technology and its potential and helps them to place RPA in the context of process management. The readers receive concrete instructions for the implementation of an RPA with all necessary steps, such as adequate process selection, process preparation and many more. Application examples - many of them from the banking industry, but easily transferable to other industries - provide readers with valuable experience and offer support in the successful introduction and application of the technology. This book is a translation of the original German 1st edition Robotic Process Automation (RPA) in der Finanzwirtschaft by Mario Smeets, published by Springer Fachmedien Wiesbaden GmbH, part of Springer Nature in 2019. The translation was done with the help of artificial intelligence (machine translation by the service DeepL.com). A subsequent human revision was done primarily in terms of content, so that the book will

read stylistically differently from a conventional translation. Springer Nature works continuously to further the development of tools for the production of books and on the related technologies to support the authors. The book is intended for future or already experienced users of RPA and for anyone interested in the technology. Process or technology managers at all hierarchical levels of IT and organizational areas, as well as users and managers in the business departments - across all industries. The Content Application areas and examples of RPA in the financial industry Technological Background RPA market overview and software solutions Execution of RPA implementations Setting up and introducing RPA governance RPA success factors Special cases and further developments of the RPA technology The authors Mario Smeets is a management consultant for banks, insurance companies and financial service providers. One of his consulting focuses lies in the area of process management and automation. Ralph Erhard is founder of DCP Deutsche Consulting Partner. His consulting focuses include strategic and organizational issues for banks, insurance companies and service providers. Thomas Kaußler is founder of DCP Deutsche Consulting Partner. His consulting focuses include implementation and migration projects for banks, insurance companies, service providers and system providers in the capital market business.

Confluence of Artificial Intelligence and Robotic Process Automation Jan 31 2020 This book provides a detailed insight into Robotic Process Automation (RPA) technologies linked with AI that will help organizations implement Industry 4.0 procedures. RPA tools enhance their functionality by incorporating AI objectives, such as use of artificial neural network algorithms, text mining techniques, and natural language processing techniques for information extraction and the subsequent process of optimization and forecasting scenarios for the purpose of improving an organization's operational and business processes. The target readers of this book are researchers, professors, graduate students, scientists, policymakers, professionals, and developers working in the IT and ITeS sectors, i.e. people who are working on emerging technologies. This book also provides insights and decision support tools necessary for executives concerned with different industrial and organizational automation-centric jobs, knowledge dissemination, information, and policy development for automation in different educational, government, and non-government organizations. This book is of special interest to college and university educators who teach AI, machine learning, blockchain, business intelligence, cognitive intelligence, and brain intelligence courses in different capacities.
Blockchain and Robotic

Process Automation May 17 2021 This book integrates the material of the lecture series "Blockchain and Robotic Process Automation", offered at Kiel University. The lecture series sheds light on current research topics on blockchain and robotic process automation (RPA) also in combination with business process management (BPM) or process mining. In this series, leading scientists and business experts give insights into the use of the blockchain technology and RPA. The seven contributions included offer a general introduction into blockchain and smart contracts, and detail the extraction of meaningful events for process mining from blockchain, challenges of blockchain-based collaborative business processes, executing Decision Model and Notation decisions on the blockchain, a blockchain-based solution for digital payment, blockchain use cases in transportation and logistics, and automatically identifying process automation candidates using natural language processing. Overall, the book provides researchers and graduate students with a basic introduction into blockchain, its applications, useful combinations of BPM and blockchain, and use cases for RPA.
Software Process Automation Jan 25 2022 Through the use of process automation, software developers can significantly improve software quality and software development productivity. This book reviews this technology and major process automation products, and provides adoption

guidelines for potential users. A special emphasis is placed on the process modeling language ProNet, which is commercially available.

Measurement Technology for Process Automation Feb 11 2021 Almost every industry that use liquids and gas in any form has a need to measure flow, temperature and pressure. This text is a practical guide on how to accurately use these measuring instruments to control processes in manufacturing industries for food, beverages, chemicals, pharmaceuticals, oil, water and waste water, power, etc. With higher prices of raw materials and more severe requirements for safety and environmental issues, there is a growing demand to measure with higher precision. The book includes a number of practical examples from various industries. It discusses how to comply with safety standards regarding measurements and explains how legal control systems apply to measurements. The aim is to help any process industry reduce the risk of high costs and damage to both people and equipment.

Process Automation Handbook Jul 27 2019 This book distils 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.

Introducing Robotic Process Automation to Your Organization May 05 2020 For your robotic process automation (RPA) program to be successful, you need to follow a general framework and governance model. This book covers, in detail, what they should look like and how to adapt them to your organization. Introducing Robotic Process Automation to Your Organization is structured to enable you, a novice to RPA, to successfully implement an RPA program at your company. RPA is rapidly growing in use, but is only starting to be taught at a university level. Many mid-level managers will be tasked with introducing an RPA program at their organizations as senior management learns of its efficacy, but will be unfamiliar with how to do so. This book provides you with the skills and information you need to make an informed decision. For decades, there has been much discussion about the fast pace of technology, the rapidly changing technology environment, and the need for companies to be on the cutting edge to remain competitive or even relevant. In this ever-changing environment, there is

a need to know what can be done in terms of current processes, here and now, that will increase efficiency, benefit customers, and improve profitability. One option is RPA. This book includes information to assist you in getting the required buy-in and identifying the first few processes for automation. A structure for identifying opportunities on an ongoing basis is detailed, along with concepts that must be considered for solution design and deployment. Throughout the book there are several "pause and consider" statements to help you think about how principles pertain to your organization. Additionally, there are tips included that offer short, concrete suggestions on how to help implement the particular step being discussed. What You Will Learn Know the benefits of robotic process automation (RPA) Understand the limitations of RPA Ask the right questions to determine whether a process is a good candidate for automation Obtain buy-in from skeptics at the senior and middle manager levels, and from line workers Be familiar with the structure required for success Who This Book is For Middle managers who have either identified the need for robotic process automation (RPA) in their organization or have been directed by senior management to explore the possibility of introducing RPA to their organization; managers at all levels who hear about RPA, either through conferences, professional associations, or industry publications, and want

to know more; students of business and technology who wish to broaden their understanding of important current trends.

Practical Process Automation Sep 01 2022 In todayÃ¢??s IT architectures, microservices and serverless functions play increasingly important roles in process automation. But how do you create meaningful, comprehensive, and connected business solutions when the individual components are decoupled and independent by design? Targeted at developers and architects, this book presents a framework through examples, practical advice, and use cases to help you design and automate complex processes. As systems are more distributed, asynchronous, and reactive, process automation requires state handling to deal with long-running interactions. Author Bernd Ruecker demonstrates how to leverage process automation technology like workflow engines to orchestrate software, humans, decisions, or bots. Learn how modern process automation compares to business process management, service-oriented architecture, batch processing, event streaming, and data pipeline solutions Understand how to use workflow engines and executable process models with BPMN Understand the difference between orchestration and choreography and how to balance both

Development of a Process-evaluation Method for Process Automation Via RPA Sep 08 2020 Companies are increasingly suffering from rapid changes, developments, and the constant pressure to work faster, more flexibly, more effectively, cost-effectively, and resource-oriented. Besides, the ascending demand for digitalization and automation aggravates the need for companies to take advantage of rising technologies like 'Robotic Process Automation' (RPA). RPA is a cost-effective solution that enhances the process quality, customer and employee satisfaction, reduces process errors, and further offers potential for cost-reduction. Due to the high amount of different business processes within a company, the identification, selection, and prioritization of suitable processes for RPA automation are highly complex. Therefore, the research objective of this master thesis is the development of a process-evaluation method that helps decision-makers to identify and select suitable processes for automation via RPA. The core design artifact is the development of an Excel-based process-evaluation tool. Hence, based on the results from a literature review and four qualitative semi-structured expert interviews, a four-step process-evaluation methodology has been developed. The core design artifact consists of four dimensions and 18 criteria to evaluate potential process candidates suitable for RPA automation. In sum, the underlying research enables potential adopters and practitioners of RPA to make better decisions concerning the

application and implementation of RPA. Consequently, the risk of economic malinvestments can be reduced, and the advantages of RPA realized.

Workflow and Process Automation Mar 15 2021 Based on the results of the study carried out in 1996 to investigate the state of the art of workflow and process technology, MCC initiated the Collaboration Management Infrastructure (CMI) research project to develop innovative agent-based process technology that can support the process requirements of dynamically changing organizations and the requirements of nomadic computing. With a research focus on the flow of interaction among people and software agents representing people, the project deliverables will include a scalable, heterogeneous, ubiquitous and nomadic infrastructure for business processes. The resulting technology is being tested in applications that stress an intensive mobile collaboration among people as part of large, evolving business processes. Workflow and Process Automation: Concepts and Technology provides an overview of the problems and issues related to process and workflow technology, and in particular to definition and analysis of processes and workflows, and execution of their instances. The need for a transactional workflow model is discussed and a spectrum of related transaction models is covered in detail. A plethora of influential projects in workflow and process automation is

summarized. The projects are drawn from both academia and industry. The monograph also provides a short overview of the most popular workflow management products, and the state of the workflow industry in general. Workflow and Process Automation: Concepts and Technology offers a road map through the shortcomings of existing solutions of process improvement by people with daily first-hand experience, and is suitable as a secondary text for graduate-level courses on workflow and process automation, and as a reference for practitioners in industry. *Robotic Process Automation (RPA) in a company. Success factors and recommendations for the start* Nov 10 2020 Document from the year 2020 in the subject Computer Science - Commercial Information Technology, , language: English, abstract: Numerous tasks in a company follow a structured process and could be automated. However, they occur too rarely to justify the automation effort. Robotic Process Automation (RPA) aims to change this: By having a robot emulate the input on an existing user interface, no changes are required in the target application. Automation is possible in a timely and cost-effective manner. So far, many companies have had positive experiences with RPA. However, there are also a number of failed projects. What factors determine success and failure when introducing an RPA system? Björn Freivogel explains how the introduction of robotic process automation succeeds. He first gives an overview of the topic of RPA and presents the features and functionality of RPA systems. Based on this, he examines which properties suitable processes should have and how important it is to systematically select process candidates. In his publication, Freivogel not only summarizes the theoretical basics, but also gives practical recommendations for the introduction of RPA in the company. From the content: - robotic desktop automation; - agility; - Agile methodology; - business process management system; - BPMS

Process Automation Handbook Oct 22 2021 This book distils 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. *Robotic Process Automation Tools, Process Automation and Their Benefits* Jul 19 2021 Robotic process automation (RPA) is the use of software equipped with artificial intelligence (AI) and capabilities of machine learning (ML) so as to handle high volume, and repeatable task that required to be performed by humans previously. Though robotic process automation is mostly viewed as threat to job market since they have the ability to do several tasks continuously thus replacing employees, Some IT leaders takes it as a positive thing to human workers as they will eliminate mundane as well as repetitive work from their everyday tasks, allowing them to focus on much engaging projects and tasks. As the RPA take over the field, the will be new business opportunities, new roles, and more demands. The lucky are those who will embrace it since will prosper at the end. The Future of RPA: As technology is moving fast, people should expect things to witness in RPA field. Here are some of the predictions we have regarding the RPA. - The spread of RPA impact Within Organizations - Integration of RPA With Other Tools - Artificial Intelligence In near future use of automated tools in the organization will be part and parcel of any business. Mechatronic Systems and Process Automation Jun 05 2020 The book discusses the concept of process automation and mechatronic system design, while offering a unified approach and methodology for the modeling, analysis, automation and control, networking, monitoring, and sensing of various machines and processes from single electrical-driven machines to large-scale industrial process

operations. This step-by-step guide covers design applications from various engineering disciplines (mechanical, chemical, electrical, computer, biomedical) through real-life mechatronics problems and industrial automation case studies with topics such as manufacturing, power grid, cement production, wind generator, oil refining, incubator, etc. Provides step-by-step procedures for the modeling, analysis, control and automation, networking, monitoring, and sensing of single electrical-driven machines to large-scale industrial process operations. Presents model-based theory and practice guidelines for mechatronics system and process automation design. Includes worked examples in every chapter and numerous end-of-chapter real-life exercises, problems, and case studies.

Robotics Process Automation May 29 2022 This Robotics Process Automation book describes the RPA platform for the future of business process automation. More precisely this RPA book has tried to innumerate the followings: 1. RPA that brings speed to your digital transformation. 2. RPA helps to get rid of resource burden and it's consequences. 3. This emphasizes Business process automation must be in the hands forntline. 4. Only Automation Anywhere Enterprise combines consumer-like usability with enterprise-class reliability, and security for RPA that empowers the workforce to automate on their own, in real time. 5. What does RPA mean for business? Optimize labour investment Increase capacity on demand Increase speed and productivity Maximize availability Improve business process compliance Improve controls Improve auditability Enhance security deliver business intelligence Enable digital transformation Improve employee morale 6. Putting RPA to work and deploy your digital workforce in your businesses like insurance, finance, manufacturing and health care and also other. Deploy, manage and audit your Digital Workforce through a highly-intuitive RPA central command center, on-premise or in the cloud. This RPA book also enable you to learn more about AI and machine language also factory automation, safeguard your data, analyze ald predict business performance, streamline your blended anywhere, big data ready for analytics. This book is made for BS/B,TECH and MS/M.TECH/MCA/MBA student who will have in-depth knowledge about RPA and its associated technologies falls in the same platform.

Robotic Process Automation with Blue Prism Quick Start Guide Apr 27 2022 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 FeaturesDevelop robots with Blue PrismAutomate your work processes with Blue PrismLearn basic skills required to train a robot for process automationBook

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 learnLearn why and when to introduce robotic automation into your business processesWork with Blue Prism StudioCreate automation processes in Blue PrismMake use of decisions and choices in your robotsUse UI Automation mode, HTML mode, Region mode, and spyingLearn how to raise exceptionsGet the robot to deal with errorsLearn Blue Prism coding best practicesWho 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.

Robotic Process Automation (RPA) in the Financial Sector Nov 03 2022 Dieses Buch bringt Ihnen die Robotic Process Automation in der Finanzwirtschaft näher In der Finanzbranche ist das Thema Prozessautomatisierung seit Jahren nicht mehr wegzudenken. Doch wie setzt man solche Veränderungen im Rahmen des Changemanagements erfolgreich und effizient um? Das Buch „Robotic Process Automation in der Finanzwirtschaft" zeigt es Ihnen. Im Fokus steht der recht junge RPA-Ansatz aus der Intelligent Automation. Dabei imitieren Roboter das menschliche Handeln. Die Eingabe von Befehlen erfolgt direkt über die Oberfläche. So gehören tiefgreifende

Softwareveränderungen der Vergangenheit an. Im Zuge dessen klärt dieses Buch u. a. folgende Fragen bezüglich der Robotic Process Automation in der Finanzwirtschaft: • Was ist RPA überhaupt? • Welche Vorteile bringt diese Technologie mit sich? • Welche Erfolgsfaktoren tragen zu einer optimalen RPA-Implementierung bei? • Wie sieht ein mögliches RPA-Kompetenzcenter aus? • Welche Anwendungsbereiche für RPA gibt es? Eine Leseempfehlung für ein breites Zielpublikum Daneben beschäftigen sich die Autoren nicht nur mit dem Ist-Zustand der Robotic Process Automation. Zudem erhalten Sie einen Ausblick auf die zukünftige Entwicklung dieser Software-Lösung. Durch den hohen Praxisbezug ist das Buch speziell für folgende Zielgruppen eine lesenswerte Empfehlung: • Verantwortliche für die Implementierung von Prozessen oder Technologien im IT-Bereich • RPA-Anwender und Personen, die sich dafür interessieren • Erfahrene Experten und Praktiker, die branchenübergreifend mit RPA vertraut sind

Robotic Process Automation in Desktop Publishing Dec 24 2021 Automation serves as an essential component in business to achieve company goals with qualitatively and quantitatively better results. The use of automation is also in the field of desktop publishing (DTP) indispensable to achieve cost savings in the company and to improve the final results through standardization and error reduction, as well as to

relieve employees with regard to laborious and monotonous tasks. This essential aims to summarize the many possibilities of automation in the field of DTP, focusing on repetitive artwork processes in prepress.

The Robotic Process Automation Handbook Jul 31 2022 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 planDeal with resistance and fears from employeesTake an in-depth look at the leading RPA systems, including where they are most effective, the risks and the costsEvaluate an RPA system Who This Book Is For IT specialists and managers at mid-to-large companies

The Simple Implementation Guide to Robotic Process Automation (Rpa) Feb 23 2022 It is simple to start robotic process automation at your organizationas 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 youre 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.

BUSINESS PROCESS AUTOMATION Nov 22 2021 This book discusses the major trends in Business Process Automation (BPA) and explains how BPA technologies and tools are applied in practice. It introduces the students to the concepts of BPA and describes the need for automation in business process management. The book illustrates live examples of different functions of an enterprise where automation has been successfully implemented to reap business benefits. It elaborates the applications of BPA in various sectors such as HR and payroll, marketing, e-governance, knowledge management and banking. The text also discusses in detail the role of Chief Information Officer (CIO) as a change agent for designing and implementing automation initiatives. Return-on-Investment (ROI) calculations have been shown as a business case for automating business processes. Evaluation criteria for deciding which software package to be implemented have been thoroughly explained. Key Features : Provides case studies at the end of all chapters to help the students for easy understanding of the concepts discussed. Includes chapter-end questions to test students' comprehension of the subject. Presents a glossary of technical terms. The book is designed for the postgraduate students of management. It would be useful for the professionals and practitioners for implementation of process automation in organizations as

well.
Digital Workforce Sep 28 2019 Robotic Process Automation (RPA) has grown from a relatively obscure technology that few recognised to significantly disrupting the workforce in just a few short years. Analysts predict the growth will continue exponentially.But what is the truth? How do you distinguish between the hype and the myths that now surround this topic? Whether it's Bill Gates suggesting RPA should be taxed, or predictions of massive job losses, there is a lot of confusion about what RPA really is and what impact it will have.Whatever industry sector you find yourself in, no matter how large or small, you will find that RPA will become the backbone of your future workforce if you are to continue to meet the changing customer demands. There is a need to act quickly and transform your business now or risk being disrupted by those who have already set out on their automation journey.But then we find that between 30%-50% of automation pilots fail! Statements made by vendors how easy it is to implement RPA are somewhat overstated. However, there are some basic lessons learned that can help you find the right path for your organisation. In this book, I will explain the different types of Robotic Process Automation and how to align your business needs to the solutions available and then start and scale your automation journey. This is not a sheep-dip approach but a carefully considered approach that helps

you to align your specific business needs to the right solution and the right business model.Implementing RPA is not easy, but neither should it be too difficult if you follow a well-considered approach.
Practical Process Automation Mar 27 2022 In today's IT architectures, microservices and serverless functions play an increasingly important role. But how can you create meaningful, comprehensive, and connected business solutions if the individual components are decoupled and independent by design? This book provides a framework through examples and practical advice, and reveals how you can design complex processes in such an environment to deliver true business value. Systems that become more distributed, asynchronous, and reactive usually require state handling to deal with long-running interactions. Author Bernd Ruecker demonstrates how to use process automation technology to apply typical long-running patterns around resiliency, messaging, orchestration, or consistency without forcing your service implementation to become stateful itself. With this guide, you'll discover how process automation compares to business process management, service-oriented architecture, batch processing, event streaming, and data pipeline solutions. Learn how to utilize process automation in cloud-scale or low-latency scenarios Explore options for designing architecture that facilitates process automation Learn methods for modeling

processes properly to avoid potential pitfalls Understand the difference between orchestration and choreography and how to balance both Examine process automation use cases to learn viable solutions and appreciate the possibilities
Modern Business Process Automation Apr 03 2020 The ?eld of Business Process Management (BPM) is marred by a seemingly e- less sequence of (proposed) industry standards. Contrary to other ?elds (e.g., civil or electronic engineering), these standards are not the result of a widely supported consolidationofwell-understoodandwell-establishedconceptsandpractices.Inthe BPM domain, it is frequently the case that BPM vendors opportunistically become involved in the creation of proposed standards to exert or maintain their in?uence and interests in the ?eld. Despite the initial fervor associated with such standardi-tion activities, it is no less frequent that vendors either choose to drop their support for standards that they earlier championed on an opportunistic basis or elect only to partially support them in their commercial offerings. Moreover, the results of the standardization processes themselves are a concern. BPM standards tend to deal with complex concepts, yet they are never properly de?ned and all-too-often not informed by established research. The result is a plethoraof languagesand tools, with no consensuson conceptsand their implem- tation. They also fail to

provide clear direction in the way in which BPM standards should evolve. One can also observe a dichotomy between the "business" side of BPM and its "technical" side. While it is clear that the application of BPM will fail if not placed in a proper business context, it is equally clear that its application will go nowhere if it remains merely a motivational exercise with schemas of business processes hanging on the wall gathering dust.
Becoming Strategic with Robotic Process Automation Jul 07 2020
Intelligent Automation Simplified Apr 15 2021 A guide to understand the potential of Intelligent Automation across businesses and enterprises. KEY FEATURES ● A comprehensive discussion of key concepts, techniques, and key elements of intelligent automation. ● Expert coverage on combining various technologies, including RPA, AI, Blockchain, and IoT. ● Includes case studies and use cases for successful automation applications. ● Precise guidance on how to scale automation in enterprises. DESCRIPTION 'Intelligent Automation Simplified' guides tech professionals to take a much more simplified and sophisticated step towards developing intelligent automation. This book will explain the basic concepts of smart automation and how to put it into practice for a company. This book explores each stage of automation design and explains how these automation fragments can be brought together in the end-to-

end automation of workflow. This book discusses numerous examples and scenarios that will help relate and understand how technology can be used in real life to solve business problems. This book provides a lot of information and insights and helps readers grasp the methodology used to develop an automation solution correctly. With detailed illustrations and real use-cases, you will be able to easily create smart automation solutions and practice how to modify them. Towards the end, the book describes how smart automation expands in a company and discusses the various strategies for large-scale use. The book also highlights the latest trends in intelligent automation and its progress into the future of work. WHAT YOU WILL LEARN ● Learn about the essential and primary components of intelligent automation. ● Investigate the capabilities of RPA and AI in the development of Intelligent Automation solutions. ● Recognize the factors that will help you choose the best processes for automation. ● Learn how to use the framework to create an Intelligent Automation solution. ● Create a blueprint to scale automation in the enterprise. ● Discover the most recent Intelligent Automation trends from industry experts. WHO THIS BOOK IS FOR This book is intended for current and future technical professionals who want to learn about Intelligent Automation, plan, and implement it in an enterprise or consult with clients. Readers should be familiar with the software development workflow and have a basic understanding of advanced technologies such as AI and RPA. TABLE OF CONTENTS 1. Introduction to Intelligent Automation 2. Robotic Process Automation 3. Artificial Intelligence in Automation 4. Other technologies in Automation 5. Intelligent Automation Use cases 6. Enterprise Automation Journey 7. Intelligent Automation – Trends and the future

Business Process Management: Blockchain and Robotic Process Automation Forum Jan 01 2020 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. Workflow Automation with Microsoft Power Automate Oct 10 2020 Make your organization more productive and simplify your workflow by using Microsoft Power Automate for business process automation Key Features Learn the latest in Power Automate with updated user interface visuals and new technology included Apply practical knowledge like managing user inputs, documents, approvals, and database storage Create flows that integrate with services both inside and outside the Microsoft 365 ecosystem Book Description MS Power Automate is a workflow automation tool built into MS 365 to help businesses automate repetitive tasks or trigger business processes without user intervention. It is a low-code tool that is part of the Microsoft applications framework, the Power Platform. If you are new to Power Automate, this book will give you a comprehensive introduction and a smooth transition from beginner to advanced topics to help you get up to speed with business process automation. Complete with hands-on tutorials and projects, this easy-to-follow guide will show you how to configure automation workflows for business processes between hundreds of applications, using examples within Microsoft and including third-party apps like Dropbox and Twitter. Once you understand how to use

connectors, triggers, and actions to automate business processes, you'll learn how to manage user input, documents, and approvals, as well as interact with databases. This edition also introduces new Power Automate features such as using robotic process automation (RPA) to automate legacy applications, interacting with the Microsoft Graph API, and working with artificial intelligence models to do sentiment analysis. By the end of this digital transformation book, you'll have mastered the basics of using Power Automate to replace repetitive tasks with automation technology. What you will learn Learn the basic building blocks of Power Automate capabilities Explore connectors in Power Automate to automate email workflows Discover how to make a flow for copying files between cloud services Configure Power Automate Desktop flows for your business needs Build on examples to create complex database and approval flows Connect common business applications like Outlook, Forms, and Teams Learn the introductory concepts for robotic process automation Discover how to use AI sentiment analysis Who this book is for This book is excellent for information workers and Power users who are looking to automate repetitive tasks for their organizations or for projects they are undertaking. To make the most of this book you should have some basic exposure to the MS 365 platform.

Overview of Industrial

Process Automation Aug 27 2019 Overview of Industrial Process Automation, Second Edition, introduces the basics of philosophy, technology, terminology, and practices of modern automation systems through the presentation of updated examples, illustrations, case studies, and images. This updated edition adds new developments in the automation domain, and its reorganization of chapters and appendixes provides better continuity and seamless knowledge transfer. Manufacturing and chemical engineers involved in factory and process automation, and students studying industrial automation will find this book to be a great, comprehensive resource for further explanation and study. Presents a ready made reference that introduces all aspects of automation technology in a single place with day-to-day examples Provides a basic platform for the understanding of industry literature on automation products, systems, and solutions Contains a guided tour of the subject without the requirement of any previous knowledge on automation Includes new topics, such as factory and process automation, IT/OT Integration, ISA 95, Industry 4.0, IoT, etc., along with safety systems in process plants and machines **Overview of Industrial Process Automation** Oct 29 2019 Man-made or industrial processes, localised or geographically distributed, need be automated in order to ensure they produce quality,

consistent, and cost-effective goods or services. Automation systems for these processes broadly consist of instrumentation, control, human interface, and communication subsystems. This book introduces the basics of philosophy, technology, terminology, and practices of modern automation systems with simple illustrations and examples. Provides an introduction to automation Explains the concepts through simple illustrations and examples Describes how to understand technical documents Process Automation in a Medium-Sized Mechanical Engineering Company. Development of a Systematic Approach for the Identification of Potentials Dec 12 2020 Master's Thesis from the year 2020 in the subject Engineering - Industrial Engineering and Management, grade: 1,3, University of South Wales, language: English, abstract: In this thesis, a transferable concept is developed to identify possible automation potentials in existing processes in small and medium-sized enterprises, taking into account the following research questions: How does the existing process of machine labeling work? What are the weak points of the current process of machine labeling? How can possible weaknesses be eliminated and, in the best case, automated? Can the developed concept be transferred to other processes? This in turn raises the central research question of the scientific paper: How can a

structured procedure for the identification of optimization potentials as a basis for process automation look like and what has to be considered when applying it? To answer these research questions, existing concepts in the relevant literature are examined with regard to their advantages and disadvantages for the planned application. From this, a procedure divided into three main steps is developed, which offers different methodologies for the steps to be worked on. The process to be investigated and the desired primary goal of automation determine which of the methods should be used. Subsequently, the practical suitability of the developed concept is tested on the given example process of machine labeling of a medium-sized mechanical engineering company. The results of the exemplary application show that it is possible to develop a clearly structured and easy to handle concept for a medium-sized company, which recognizes the weak points and optimization potentials.

Robotic Process Automation
Jan 13 2021 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.

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Robotic Process Automation with Automation Anywhere Oct 02 2022 Discover Automation Anywhere best practices and strategies for building scalable automation solutions for your organization Key FeaturesBuild

RPA robots using the latest features of cloud-based Automation Anywhere A2019Explore real-world scenarios with AA A2019 to understand the wide range of capabilities available for your RPA projectsBuild complete software robots to automate business processes with the help of step-by-step walkthroughsBook 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 learnExplore effective techniques for installing and configuring an Automation Anywhere A2019 platformBuild software robots to automate tasks and simplify complex business processesDesign resilient bots that are modular and reusableUnderstand how to add error handling functionality and discover troubleshooting techniquesDesign bots to automate tasks in Excel, Word, emails, XML, and PDF filesImplement effective automation strategies using RPA best practicesWho 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.