

Online Library Automation Made Easy Everything
You Wanted To Know About Automation And
Need To Ask

Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

If you're an iOS developer or QA professional tapping through an app to reproduce bugs or performance issues you thought were solved two releases ago, then this is your book. Learn how to script the user interface, assert correct behavior, stub external dependencies, reproduce performance problems, organize test code for the long haul, and automate the whole process so the machine does the work. You'll walk through a comprehensive strategy with techniques using Apple's tools that you can apply to your own apps. Automated user interface testing is an important part of a comprehensive testing strategy for iOS applications. By scrutinizing your app through the eyes and actions of the user, you raise confidence that features are wired up right and behave as you expect. Through this book you'll learn how to do full-stack testing of your iOS apps in both the simulator and on the device with Apple's built-in tools. You'll write behavioral tests in UI Automation that help protect against regressions. You'll write scripts to repeat steps in Instruments to reproduce performance bugs. With a little ingenuity, you'll build a workflow that gives the feedback you need. Grow a test suite by working with a real application that uses Core Data and network requests. Learn how to describe expected behavior in test scripts, launch the

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

app in a specific state, and stub external dependencies for completely isolated and repeatable tests. Along the way, you'll practice how to organize your test code and run it hands-free from the command line. By the end, you'll have the tools and habits you need to tackle the unique testing problems you'll face while building best-of-breed native iOS apps for your users. What You Need You'll need a Mac running at least Mac OS X Lion (10.7) and Xcode 4.6.

This book takes away the fear of working with, analyzing, and visualizing data. Understand the key concepts involved with data analytics while working with real-world business examples. You are introduced to two fantastic tools to cleanse and analyze data (KNIME) and visualize your insights (Microsoft Power BI), but the principles from this ...

The easy way to control your home appliances Do you want to control common household appliances and amenities from your smartphone or tablet, wherever you happen to be? Home Automation For Dummies guides you through installing and setting up app-controlled devices in your home, such as heating and air conditioning, lighting, multimedia systems, game consoles, and security and monitoring devices—and even suggests popular products to consider. The saturation of the mobile market with smart devices has led to an upsurge in domestic devices, such as thermostats, refrigerators, smoke detectors, security systems, among others, that can be controlled by those devices. Both Google and Apple offer fully-integrated solutions for connecting mobile devices to home theater and audio

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

systems, and now Google has branched out into smart thermostats and smoke detectors. If you've caught the bug and want to get your feet wet in this cool new phenomenon, Home Automation For Dummies gives you plain-English, step-by-step instructions for tech-ifying your home without breaking a sweat. Provides clear instructions on remotely controlling your home appliances Shows you how to set preferences to automatically adjust lighting or temperature Explores digital "life hacks" that explain how non-app-ready appliances can be controlled via smart phones using third-party go-betweens Covers an emerging segment of the industry that was one of the primary focuses of this year's Consumer Electronic Show If you're looking to find new ways to simplify and better control your home environment using app-driven devices, your phone, or tablet, Home Automation For Dummies makes it easier. Step-by-step instructions which take you through each program to automate monotonous tasks with Python 3.7

Key Features

- Automate integral business processes such as report generation, email marketing, and lead generation
- Build your first web application that scrapes data and accesses websites' APIs
- Create graphic-rich charts, graphs, and maps using Matplotlib

Book Description

Have you been doing the same old monotonous office work over and over again? Or have you been trying to find an easy way to make your life better by automating some of your repetitive tasks? Through a tried and tested approach, understand how to automate all the boring stuff using Python. The Python Automation Cookbook helps you develop a clear

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

understanding of how to automate your business processes using Python, including detecting opportunities by scraping the web, analyzing information to generate automatic spreadsheets reports with graphs, and communicating with automatically generated emails. You'll learn how to get notifications via text messages and run tasks while your mind is focused on other important activities, followed by understanding how to scan documents such as résumés. Once you've gotten familiar with the fundamentals, you'll be introduced to the world of graphs, along with studying how to produce organized charts using Matplotlib. In addition to this, you'll gain in-depth knowledge of how to generate rich graphics showing relevant information. By the end of this book, you'll have refined your skills by attaining a sound understanding of how to identify and correct problems to produce superior and reliable systems. What you will learn

- Get to grips with scraping a website to detect changes
- Search and process raw sales files to aggregate information in spreadsheets
- Explore techniques to extract information from an Excel spreadsheet and generate exciting reports with graphs
- Discover the techniques required to generate random, print-friendly codes to be used as single-use coupons
- Automatically generate a marketing campaign, contacting the recipients over different channels
- Identify and implement precise solutions

Who this book is for
The Python Automation Cookbook is for you if you are a developer or anyone who wants to automate monotonous manual tasks related to fields such as finance, sales, and HR, among others.

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

Put your life on Autopilot with the magic and power of Python

About This Book* Learn how to construct Python scripts to scrape data, manipulate files, and access websites' APIs* This book is designed for Python developers of any experience level, and the recipe-based approach will allow you to run code and get instant results* This book is written in Python 3.5 syntax to future-proof your automation and you'll get an understanding of how to customize the scripts to meet your future automation needs

Who This Book Is ForOur audience is programmers who know Python but need not be experts. They will however know a lot of the basics of the syntax and some basic experience with the command line. Ultimately, they're people who see themselves as busy and want to find cool hacks to automate all the mundane and time-consuming tasks they find themselves doing on a daily basis.

What You Will Learn* Implement file deduplication and how to parse HTML content in Python.* Study an example application that will enable you to work with spreadsheets* Get acquainted with the Python modules used to work with e-mails* Manipulate images using Pillow and schedule tasks with respect to time zones* Use XML or JSON as a message format across distributed systems* Develop a Python application with logging and see an example of debugging* Integrate Python with Mongo and Redis databases* Generate reports using Pandas

In DetailAutomate It! gives you a great selection of recipes to automate your life with Python and provides a platform for Python developers to start thinking about how they can use Python to do the

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

stuff that takes up their time. Python's key strength is its usability as a scripting language to achieve just about anything, using a mouse and key board for repetitive actions. Python is extremely easy to use and can help you get complex tasks done efficiently. With a classic problem-solution based approach, you will delve directly into the things that matter in your daily work. You will start by learning how to work with Python scripts and how to use Python with Excel, PDF, and DOC files that you work with every day. You will realize how easy it is to manipulate files using the power of Python and move on to learning about file systems in detail. Any complication that you may have faced while accessing APIs in Python will also be smoothed out. You will also get acquainted with how to effectively and easily use Python code to manage SMS and voice notifications, imaging, and time zones. As a developer, you need to know how quickly and easily you can debug your Python code, analyze data, and generate reports on demand and mechanize database automation. This book will arm you with knowledge to customize the solutions to meet your needs. The end goal of this book is to make you more productive, as well as feel good about your skills as a developer.

The second edition of this best-selling Python book (over 500,000 copies sold!) uses Python 3 to teach even the technically uninclined how to write programs that do in minutes what would take hours to do by hand. There is no prior programming experience required and the book is loved by liberal arts majors and geeks alike. If you've ever spent hours renaming files or updating hundreds of

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

spreadsheet cells, you know how tedious tasks like these can be. But what if you could have your computer do them for you? In this fully revised second edition of the best-selling classic Automate the Boring Stuff with Python, you'll learn how to use Python to write programs that do in minutes what would take you hours to do by hand--no prior programming experience required. You'll learn the basics of Python and explore Python's rich library of modules for performing specific tasks, like scraping data off websites, reading PDF and Word documents, and automating clicking and typing tasks. The second edition of this international fan favorite includes a brand-new chapter on input validation, as well as tutorials on automating Gmail and Google Sheets, plus tips on automatically updating CSV files. You'll learn how to create programs that effortlessly perform useful feats of automation to:

- Search for text in a file or across multiple files
- Create, update, move, and rename files and folders
- Search the Web and download online content
- Update and format data in Excel spreadsheets of any size
- Split, merge, watermark, and encrypt PDFs
- Send email responses and text notifications
- Fill out online forms

Step-by-step instructions walk you through each program, and updated practice projects at the end of each chapter challenge you to improve those programs and use your newfound skills to automate similar tasks. Don't spend your time doing work a well-trained monkey could do. Even if you've never written a line of code, you can make your computer do the grunt work. Learn how in Automate the Boring Stuff with Python, 2nd Edition.

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

Left hand column Explore modern use cases for network automation, and compare today's most widely used automation tools Capture essential data for use in network automation, using standard formats such as JSON, XML, and YAML Get more value from the data your network can capture Install Ansible and master its building blocks, including plays, tasks, modules, variables, conditionals, loops, and roles Perform common networking tasks with Ansible playbooks: manage files, devices, VMs, cloud constructs, APIs, and more See how Ansible can be used to automate even the largest global network architectures Discover how NetDevOps can transform your approach to automation- and create a new NetDevOps pipeline, step by step Build a network automation strategy from the ground up, reflecting lessons from the world's largest enterprises This book is part of the Networking Technology Series from Cisco Press®, which offers networking professionals valuable information for constructing efficient networks, understanding new technologies, and building successful careers. Right hand column Practical strategies and techniques for automating network infrastructure As networks grow ever more complex, network professionals are seeking to automate processes for configuration, management, testing, deployment, and operation. Using automation, they aim to lower expenses, improve productivity, reduce human error, shorten time to market, and improve agility. In this guide, expert practitioner Ivo Pinto presents all the concepts and techniques you'll need to move your entire physical and virtual infrastructure towards greater

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

automation, and maximize the value it delivers. Writing for experienced professionals, Ivo Pinto reviews today's leading use cases for automation, compares leading tools, and presents a deep dive into using the open source Ansible engine to automate common tasks. You'll find everything you need: from practical code snippets to real-world case studies to a complete methodology for planning strategy. This guide is for everyone seeking to improve network operations and productivity, including system, network, storage, and virtualization administrators, network and security engineers, and many other technical professionals and managers. You can apply its vendor-neutral concepts throughout your entire environment—from servers to the cloud, switches to security.

Extensive practical plant based knowledge to achieve the best automation system **BACK COVER**

DESCRIPTION: This fully updated on-the-job reference contains all the automation and control information you need to make timely decisions, and maximize process capacity and efficiency. Featuring contributions from 50 top technical experts, *Process/Industrial Instruments and Controls Handbook, Sixth Edition* covers the latest technologies and advances. More importantly, the book helps you select the right instrumentation, install and maintain it correctly, and leverage it to maximize plant performance and profitability. You will get all you need to know to execute a successful automation project including time-saving tables, lists of essential best practices, and hundreds of topic-defining illustrations. Coverage includes: •Process variable

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

measurements•Analytical measurements•Control Network communications•Safety instrumented systems•Control systems fundamentals•PID control strategies•Continuous and batch control•Improving operator performance•Improving process performance•Project management•And more

In *The Glass Cage*, Pulitzer Prize nominee and bestselling author Nicholas Carr shows how the most important decisions of our lives are now being made by machines and the radical effect this is having on our ability to learn and solve problems. In May 2009 an Airbus A330 passenger jet equipped with the latest 'glass cockpit' controls plummeted 30,000 feet into the Atlantic. The reason for the crash: the autopilot had routinely switched itself off. In fact, automation is everywhere – from the thermostat in our homes and the GPS in our phones to the algorithms of High Frequency Trading and self-driving cars. We now use it to diagnose patients, educate children, evaluate criminal evidence and fight wars. But psychological studies show that we perform best when fully involved in a task, while the principle of automation – that humans are inefficient – is self-fulfilling. The glass cockpit is becoming a glass cage. In this utterly engrossing exposé, bestselling writer Nicholas Carr reveals how automation is affecting our ability to solve problems, forge memories and acquire skills. Rather than rejecting technology, Carr argues that we must

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

urgently rethink its role in our lives, using it to enhance rather than diminish the extraordinary abilities that make us human.

The purpose of this book is to present an introduction to the multidisciplinary field of automation and robotics for industrial applications. The companion files include numerous video tutorial projects and a chapter on the history and modern applications of robotics. The book initially covers the important concepts of hydraulics and pneumatics and how they are used for automation in an industrial setting. It then moves to a discussion of circuits and using them in hydraulic, pneumatic, and fluidic design. The latter part of the book deals with electric and electronic controls in automation and final chapters are devoted to robotics, robotic programming, and applications of robotics in industry. eBook Customers: Companion files are available for downloading with order number/proof of purchase by writing to the publisher at info@merclearning.com. Features: * Begins with introductory concepts on automation, hydraulics, and pneumatics * Covers sensors, PLC's, microprocessors, transfer devices and feeders, robotic sensors, robotic grippers, and robot programming

“A concise, insightful and sophisticated guide to maintaining humane values in an age of new machines.”—The New York Times Book Review

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

“While we need to rewrite the rules of the twenty-first-century economy, Kevin’s book is a great look at how people can do this on a personal level to always put humanity first.”—Andrew Yang

You are being automated. After decades of hype and sci-fi fantasies, artificial intelligence is leaping out of research labs and into the center of our lives. Automation doesn’t just threaten our jobs. It shapes our entire human experience, with AI and algorithms influencing the TV shows we watch, the music we listen to, the beliefs we hold, and the relationships we form. And while the age-old debate over whether automation will destroy jobs rages on, an even more important question is being ignored: How can we be happy, successful humans in a world that is increasingly built by and for machines? In *Futureproof: 9 Rules for Humans in the Age of Automation*, New York Times technology columnist Kevin Roose lays out a hopeful, pragmatic vision for how we can thrive in the age of AI and automation. He shares the secrets of people and organizations that have survived previous waves of technological change, and explains what skills are necessary to stay ahead of today’s intelligent machines, with lessons like

- Be surprising, social, and scarce.
- Resist machine drift.
- Leave handprints.
- Demote your devices.
- Treat AI like a chimp army.

Roose rejects the conventional wisdom that in order to succeed in the AI age, we have to become more like

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

machines ourselves—hyper-efficient, data-driven workhorses. Instead, he says, we should focus on being more human, and doing the kinds of creative, inspiring, and meaningful things even the most advanced robots can't do.

For many organizations, a big part of DevOps' appeal is software automation using infrastructure-as-code techniques. This book presents developers, architects, and infra-ops engineers with a more practical option. You'll learn how a container-centric approach from OpenShift, Red Hat's cloud-based PaaS, can help your team deliver quality software through a self-service view of IT infrastructure. Three OpenShift experts at Red Hat explain how to configure Docker application containers and the Kubernetes cluster manager with OpenShift's developer- and operational-centric tools. Discover how this infrastructure-agnostic container management platform can help companies navigate the murky area where infrastructure-as-code ends and application automation begins. Get an application-centric view of automation—and understand why it's important Learn patterns and practical examples for managing continuous deployments such as rolling, A/B, blue-green, and canary Implement continuous integration pipelines with OpenShift's Jenkins capability Explore mechanisms for separating and managing configuration from static runtime software Learn how

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

to use and customize OpenShift's source-to-image capability Delve into management and operational considerations when working with OpenShift-based application workloads Install a self-contained local version of the OpenShift environment on your computer

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide.

Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Ari Meisel and Nick Sonnenberg recently launched a profitable Virtual Assistant (VA) business in just one day - challenging the startup mentality that every new venture requires months of planning and a large investment of capital. Their VA business was born from scribbled notes on a cocktail napkin during dinner and was an up-and-running less than 24 hours later. By following their 3 step process:

Optimize, Automate, Outsource, they leveraged free, readily available digital tools and apps with no outlay of cash whatsoever. Meisel and Sonnenberg reveal tactics for building a scalable business in today's world. This fascinating and informative book chronicles their first year in business together. An essential read for any entrepreneur. It follows their

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

journey from idea to execution, detailing a bold new approach to 21st century business based on a fearless ingenuity and a willingness to rewrite the rules.

Imagine you are driving home from a winter vacation. Your arrival time was on your smartphone calendar. At the appropriate time, your smart home turned up the thermostats to ensure it would be warm when you arrived. As you approached your smart home, the garage door opened, and the security system was disarmed. The lights turned on in the mudroom, hall, and kitchen. When you walked into the kitchen, the counter top speaker made an announcement. "Welcome home. Today is Sunday, January 14, and the time is 9:15 PM. The temperature outside is 28 degrees and the humidity is 34 percent. Someone came to the front door last night, but did not give a name. I saved a picture to your smartphone. Have a nice evening." Classical music began to play throughout the smart home. If there had been a water leak while you were away, the water main would have automatically turned off, you would have received a text message, and a call would have been placed to your plumbing service. Any malfunction with the electrical, heating, or air conditioning systems would likewise have resulted in a text to you and a call to the appropriate service organization. Read what some global thought leaders think of Home Attitude. "Home Attitude is

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

your practical guide to take advantage of the many benefits of home automation. You will be amazed at what the future will bring, but even more about what's possible today. Futurist John Patrick points the way for all of us." Skip Prichard, President & CEO, OCLC, Inc. and author of The Book of Mistakes "John Patrick's latest book in his growing Attitude Series provides an excellent overview of how a hands-on homeowner can build an automated home which is energy efficient, secure, and just plain fun. Patrick clearly explains the many benefits of an automated home, its key building blocks, and how to get started. Whether you're interested in simply reducing your utility bills, or building the home of the future, Home Attitude will help make it possible today." Ronald H. Gruner, Founder, Alliant Computer and Shareholder.com "John Patrick is a renowned visionary and evangelist for what is possible when the Internet, technology, and people intersect. Home Attitude brings John's insightful principles and thought leadership intimately into our homes. This is a must read for anyone feeling their home is falling behind the technology trends of our time." Dan Ohlson, Founder, Realtek Holding Investments "John is one of the very few people who have been a driving force behind the PC and Internet revolution. Remember Mark Zuckerberg's smart home video with JARVIS? It is no longer rocket science to automate your home. Anyone with the right attitude

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

and dedication can build a smart home for a very reasonable price. Read John's book to gain this attitude and let your home make your life easier." Bilal Athar, CEO, Wifigen LLC "Automating your home is much more than a hobby," notes Dr. John. "It is an attitude." "It is this state of mind, coupled with his ability to sense the future and demystify technology, which distinguishes his growing collection of works. Home Attitude continues the tradition. Like a digital Rumpelstiltskin, John turns straw into gold. He spots technology trends, catalogs hundreds of products from the Internet of Things, to home operating systems, security systems, climate control, entertainment, geofencing, and pizza tracking. It's a pinata of shiny objects; a dizzying profusion of choices, for which you need this book, and a house doctor. Alexa, get me Dr. John!" James G. Kollegger, CEO, Genesys Partners, Inc. "For most of us, home automation is still a very new field. In Home Attitude, John Patrick shares his knowledge and experience from over 25 years in home automation. This book gives a comprehensive overview and many real-life examples. It will bring anyone's home attitude to the next level. It certainly did so for me." Konrad Gulla, CEO/Founder, Keeeb, Inc.

Automation Made Easy Everything You Wanted to Know about Automation and Need to Ask

"At last! A book on audio that the average person

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

can understand. No endless formulas or abstract terminology. Just the facts, distilled from author Ira White's years of experience. Inside you'll find practical information on how pro audio equipment works and how you can use it to its fullest - all seasoned with just a dash of humor." -back cover. Offers guidance for using marketing automation technology to define, schedule, segment, and track marketing campaigns, beginning with what marketing automation is and how to get started with the right solution.

After a quick glance at the plant floor, it is very easy to see the industrial automation industry interoperates with other functions within the enterprise. Trying to keep up with changing technologies, however, is never easy and the industrial automation environment is no exception. Whether you are a student just starting out or are a top-level executive or manager well-versed in one domain, but have limited knowledge of the industrial automation industry, it's easy to find yourself adrift in this evolving industry. That is where this easy-to-read book comes in; it provides a basic functional understanding in the field of industrial automation. In an effort to understand this industry, the authors break down the barriers and confusion surrounding the technical details and terminology used in this converging field. They provide an introductory-level approach, covering most of the major industrial

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

automation topics, such as distributed control systems (DCSs), programmable logic controllers (PLCs), manufacturing execution systems (MESs), and so on. You may even learn a recipe or two. This book is ideal for executives, business managers, information technologists, accountants, maintenance professionals, operators, production planners, just to name a few, and provides an in-depth but easy overview for people new to the field who want to quickly educate themselves.

Build easy and accessible solutions for automating mundane processes in marketing, sales, operations, and finance to enable teams to focus on core tasks

Key Features

Learn Zapier and find solutions to specific problems with this comprehensive yet concise guide

Explore various scenarios

describing specific business problems and how they can be solved with Zapier

Discover expert tips and practical examples

to harness the full potential of Zapier

Book Description

Zapier is an emerging no-code workflow automation technology that enables organizations to connect their cloud-based and web applications and automate data transfer between them. Zapier's built-in features and flexibility allow users to integrate thousands of business applications and create simple to complex automation to reduce time spent on repetitive tasks, thereby increasing productivity. This book is a must-have for business owners, their employees, and independent freelancers and

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

contractors looking to use Zapier for business process automation. The book takes a hands-on approach to implementation and associated problem-solving methodologies that will have you up-and-running and productive in no time while leveling up your automation skills. You'll discover how to plan your automation building for optimal results, what are the native features available in Zapier, and the applications that connect with it, as well as how to optimally configure your workflows to automate your processes in as few steps as possible. Finally, you'll find out how to create advanced workflow automation from scratch and learn how to troubleshoot issues. By the end of this Zapier book, you'll be able to build your own advanced workflow automation using Zapier, addressing the key pain points encountered in businesses with manual and repetitive tasks. What you will learn Think creatively to plan your business workflows to overcome specific business problems Get to grips with the native features and built-in applications available in Zapier Explore different types of third-party business applications that integrate with Zapier Configure your workflows optimally to automate business processes and minimize task usage Use Zapier's library of pre-built workflows and create advanced workflows from scratch Discover the extensive functionality and practical uses of Zapier's built-in apps Who this book is for This book is for solutions architects, process

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

consultants, business analysts, virtual assistants, digital marketers, CRM consultants, online business managers, technical consultants, bookkeepers, and accountants who want to deploy effective automation techniques in Zapier. This book will help micro, small, or medium-sized businesses to increase their productivity using workflow automation with Zapier, as well as freelancers and contractors providing digital process improvement, systemizing, and automation services. No prior experience with business process automation or Zapier is required. In today's global business environment, where nearly every product and service is being reduced to commoditized levels and true competitive advantages last for a limited amount of time, there is no room for weak links if a business is to survive and prosper. Technology must be used wherever possible to remove human labor - and human error - from business processes. An automated future is inevitable; it's the next 'natural selection' event in our global economy's evolution. Is your job at risk? What education options are the best for our children? How will we survive in a world where 'robots' will do most tasks? Automation is coming; it is our responsibility to prepare.

The overwhelming majority of a software system's lifespan is spent in use, not in design or implementation. So, why does conventional wisdom insist that software engineers focus primarily on the

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

design and development of large-scale computing systems? In this collection of essays and articles, key members of Google's Site Reliability Team explain how and why their commitment to the entire lifecycle has enabled the company to successfully build, deploy, monitor, and maintain some of the largest software systems in the world. You'll learn the principles and practices that enable Google engineers to make systems more scalable, reliable, and efficient—lessons directly applicable to your organization. This book is divided into four sections: Introduction—Learn what site reliability engineering is and why it differs from conventional IT industry practices Principles—Examine the patterns, behaviors, and areas of concern that influence the work of a site reliability engineer (SRE) Practices—Understand the theory and practice of an SRE's day-to-day work: building and operating large distributed computing systems Management—Explore Google's best practices for training, communication, and meetings that your organization can use Fully updated to explain digital editing, computer maintenance, system enhancement, CD burning and mastering, Home Recording Made Easy covers the whole range of home recording techniques, from acoustically treating your studio to arriving at a completed master. Illustrated throughout with easy-to-follow diagrams and screen shots, this second edition is an indispensable handbook for every

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

aspiring home-studio owner.

TESTIMONIALS “One of the most important books of our times!” – Bernard Marr “An essential reading for anybody who cares about the future of work” –

Arianna Huffington “This insightful and practical guidebook is instrumental for success in the Fourth Industrial Revolution” – Klaus Schwab, founder of the World Economic Forum “An insightful

exploration of Intelligent Automation” – Dr. Kai-Fu Lee, Author of NYT Bestseller “AI Superpowers”

“This field guide is essential reading” – Gartner

“Masterful insight, this book is more relevant than ever” – HFS “This book needed to be written” –

Forrester ABOUT THE BOOK This is the first book on Intelligent Automation (IA). Also called

Hyperautomation, it is one of the most recent trends in the field of artificial intelligence. IA is a cutting-

edge combination of methods and technologies, involving people, organizations, machine learning,

low-code platforms, robotic process automation (RPA), and more. This book is for everyone –

whether you are an experienced practitioner, new to the topic, or simply interested in what the future

holds for enterprises, work, life, and society as a whole. Key content of the book: > What is Intelligent

Automation (IA)? Why has the use of IA been expanding so rapidly? What are the benefits it

unleashes for employees, companies, customers,

and society? > How have leading organizations been

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

able to harness the full potential of IA, at scale, and generate massive efficiency gains in the range of 20 to 60%? > How can IA save 10+ million lives per year, triple our global budget for education, eliminate hunger, help protect our planet, or increase the resilience of society to pandemics and crises? What you will get from this book: > Get the lessons learned from 100+ IA transformation successes (and failures) > Benefit from the largest publicly available library of 500+ IA use cases by industry and by business function > Gain access to insights garnered from 200+ IA industry experts Read more about this book: www.intelligentautomationbook.com and get it on Amazon: <https://www.amazon.fr/dp/B08KFLY51Y>

WHY THIS BOOK?

While many books have been published on AI, machine learning, or robotics, a comprehensive reference guidebook had never yet been written on the topic of IA. Also, it seemed essential to us to work towards establishing IA as a field, with its own frameworks, use cases, methods, and critical success factors.

ABOUT THE AUTHORS

Pascal Bernet is a recognized global expert, thought leader, and pioneer in the field of intelligent automation (IA). He founded and led the IA practices for Mckinsey & Company and Ernst & Young (EY), where he drove hundreds of IA transformations across industries. Bernet is a member of the Forbes Technology Council, and he was awarded Global Top Voice in Technology 2019. Ian Barkin is Chief

Strategy & Marketing Officer at SYKES. He is a globally recognized thought leader and veteran in the IA space. Barkin co-founded Symphony Ventures, a pure-play IA consulting company providing cutting-edge services across all sectors. In 2018, the company was acquired for US\$69 million by SYKES, a NASDAQ-listed global leader. Dr. Jochen Wirtz is Vice-Dean MBA Programmes at the National University of Singapore Business School, and Professor of Marketing. He is a well-known and highly acclaimed author with more than 20 books published, including "Services Marketing - People, Technology, Strategy". His research has been published in over 100 academic journal articles, and he received over 40 awards.

By closing the gap between general programming books and those on laboratory automation, this timely book makes accessible to every laboratory technician or scientist what has traditionally been restricted to highly specialized professionals. Following the idea of "learning by doing", the book provides an introduction to scripting using Autolt, with many workable examples based on real-world scenarios. A large portion of the book tackles the traditionally hard problem of instrument synchronization, including remote, web-based synchronization. Automated result processing, database operation, and creation of graphical user interfaces are also examined. Readers of this book can immediately profit from the new knowledge in terms of both increased efficiency and reduced costs in laboratory operation.

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

Above all, laboratory technicians and scientists will learn that they are free to choose whatever equipment they desire when configuring an automated analytical setup, regardless of manufacturers suggested specifications. Absolutely no experience needed! Make your home smarter, safer, and more fun—and save money, too! Home automation is finally practical, useful, and easy! Now, you can control your home exactly the way you want to, without paying monthly fees. This book shows how to do it all yourself, with today's simpler, more reliable, less expensive technologies. Dennis C. Brewer first makes sure you're comfortable with wiring basics and safety, and then guides you through installing, setting up, and using today's best home automation software. Next, he walks you through several great DIY projects you can complete in just hours. Before you know it, you'll be controlling appliances, lighting, devices, home security, energy consumption, heating/cooling, and even your home entertainment center. Brewer covers phone interfaces, opportunities to expand, and even offerings from your phone and Internet service providers. When it comes to home automation, the future is here—and it works!

- Pick the right products and services, without overspending
- Control your home from anywhere, with Android, iPhone, iPad, or your computer
- Go green, save energy, all year long
- Make your home safer, more secure, and more comfortable
- Overcome personal mobility challenges
- Get more fun out of your TV and music system

A guide to the important chemical engineering concepts for the development of new drugs, revised second

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

edition The revised and updated second edition of Chemical Engineering in the Pharmaceutical Industry offers a guide to the experimental and computational methods related to drug product design and development. The second edition has been greatly expanded and covers a range of topics related to formulation design and process development of drug products. The authors review basic analytics for quantitation of drug product quality attributes, such as potency, purity, content uniformity, and dissolution, that are addressed with consideration of the applied statistics, process analytical technology, and process control. The 2nd Edition is divided into two separate books: 1) Active Pharmaceutical Ingredients (API's) and 2) Drug Product Design, Development and Modeling. The contributors explore technology transfer and scale-up of batch processes that are exemplified experimentally and computationally. Written for engineers working in the field, the book examines in-silico process modeling tools that streamline experimental screening approaches. In addition, the authors discuss the emerging field of continuous drug product manufacturing. This revised second edition: Contains 21 new or revised chapters, including chapters on quality by design, computational approaches for drug product modeling, process design with PAT and process control, engineering challenges and solutions Covers chemistry and engineering activities related to dosage form design, and process development, and scale-up Offers analytical methods and applied statistics that highlight drug product quality attributes as design

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

features Presents updated and new example calculations and associated solutions Includes contributions from leading experts in the field Written for pharmaceutical engineers, chemical engineers, undergraduate and graduation students, and professionals in the field of pharmaceutical sciences and manufacturing, *Chemical Engineering in the Pharmaceutical Industry, Second Edition* contains information designed to be of use from the engineer's perspective and spans information from solid to semi-solid to lyophilized drug products.

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

- Combine commands, control flow, handle errors, write scripts, run scripts remotely, and test scripts with the PowerShell testing framework, Pester
- Parse structured data like XML and JSON, work with common domains (like Active Directory, Azure, and Amazon Web Services), and create a real-world server inventory script
- Design and build a PowerShell module to demonstrate PowerShell isn't just about ad-hoc scripts
- Use PowerShell to create a hands-off, completely automated Windows deployment
- Build an entire Active Directory

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

forest from nothing but a Hyper-V host and a few ISO files • Create endless Web and SQL servers with just a few lines of code! Real-world examples throughout help bridge the gap between theory and actual system, and the author's anecdotes keep things lively. Stop with the expensive software and fancy consultants. Learn how to manage your own environment with PowerShell for Sysadmins and make everyone happy. Covers Windows PowerShell v5.1

Automate your mobile app testing About This Book How to automate testing with Appium Apply techniques for creating comprehensive tests How to test on physical devices or emulators Who This Book Is For Are you a mobile developer or a software tester who wishes to use Appium for your test automation? If so, then this is the right book for you .You must have basic Java programming knowledge. You don't need to have prior knowledge of Appium. What You Will Learn Discover Appium and how to set up an automation framework for mobile testing Understand desired capabilities and learn to find element locators Learn to automate gestures and synchronize tests using Appium Take an incremental approach to implement page object pattern Learn to run Appium tests on emulators or physical devices Set up Jenkins to run mobile automation tests by easy to learn steps Discover tips and tricks to record video of test execution, inter app automation concepts Learn to run Appium tests in parallel on multiple devices simultaneously In Detail Appium is an open source test automation framework for mobile applications. It allows you to test all three types of mobile applications: native,

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

hybrid, and mobile web. It allows you to run the automated tests on actual devices, emulators, and simulators. Today, when every mobile app is made on at least two platforms, iOS and Android, you need a tool that allows you to test across platforms. Having two different frameworks for the same app increases the cost of the product and time to maintain it as well. Appium helps save this cost. With mobile app growth exploding, mobile app automation is mainstream now. In this book, author Nishant Verma provides you with a firm grounding in the concepts of Appium while diving into how to set up appium & Cucumber-jvm test automation framework, implement page object design pattern, automate gestures, test execution on emulators and physical devices, and implement continuous integration with Jenkins. The mobile app we have referenced in this book is Quikr because of its relatively lower learning curve to understand the application. It's a local classifieds shopping app. Style and approach This book takes a practical, step-by-step approach to testing and automating individual apps such as native, hybrid, and mobile web apps using different examples.

"Last year, some 70 million wirelessly enabled computers, printers, fax machines, PDAs, and related devices were sold in the U.S. Now, with the right guidance, home and office users can configure these diverse devices into efficient information networks. Wireless Networking Made Easy gives readers an overview of personal, local, and wide area networks, helping them determine which one is right for them, and taking them step-by-step on how to set it up themselves,

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

whether for their home or business. Written in a nontechnical style and featuring several case histories, the book shows how to set up, manage, and administer a wireless network. In addition to giving readers a clear guide to getting started, the book goes on to cover more advanced areas, including performance-monitoring methods, common problems and solutions, and knowing when to upgrade. The book includes an appendix of wireless network online resources, as well as a special section on wireless broadband access. It is the simple key for anyone seeking to understand the wireless world -- and make themselves a part of it."

A practical guide to industrial automation concepts, terminology, and applications *Industrial Automation: Hands-On* is a single source of essential information for those involved in the design and use of automated machinery. The book emphasizes control systems and offers full coverage of other relevant topics, including machine building, mechanical engineering and devices, manufacturing business systems, and job functions in an industrial environment. Detailed charts and tables serve as handy design aids. This is an invaluable reference for novices and seasoned automation professionals alike.

COVERAGE INCLUDES: * Automation and manufacturing * Key concepts used in automation, controls, machinery design, and documentation * Components and hardware * Machine systems * Process systems and automated machinery * Software * Occupations and trades * Industrial and factory business systems, including Lean manufacturing * Machine and system design * Applications

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

"Per Kroll and Philippe Kruchten are especially well suited to explain the RUP...because they have been the central forces inside Rational Software behind the creation of the RUP and its delivery to projects around the world." --From the Foreword by Grady Booch This book is a comprehensive guide to modern software development practices, as embodied in the Rational Unified Process, or RUP. With the help of this book's practical advice and insight, software practitioners will learn how to tackle challenging development projects--small and large--using an iterative and risk-driven development approach with a proven track record. The Rational Unified Process Made Easy will teach you the key points involved in planning and managing iterative projects, the fundamentals of component design and software architecture, and the proper employment of use cases. All team members--from project managers to analysts, from developers to testers--will learn how to immediately apply the RUP to their work. You will learn that the RUP is a flexible, versatile process framework that can be tailored to suit the needs of development projects of all types and sizes. Key topics covered include: How to use the RUP to develop iteratively, adopt an architecture-centric approach, mitigate risk, and verify software quality Tasks associated with the four phases of the RUP: Inception, Elaboration, Construction, and Transition Roles and responsibilities of project managers, architects, analysts, developers, testers, and process engineers in a RUP project Incrementally adopting the RUP with minimal risk Common patterns for failure with the RUP--and how to avoid them Use this

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

book to get quickly up to speed with the RUP, so you can easily employ the significant power of this process to increase the productivity of your team.

Guerrilla Marketers are unique, and they know it and promote it. Therefore, Jason Myers and Merrilee Kimble had to ask themselves: “How can we make this book unique?” After all, Guerrilla Marketing, since the original Guerrilla Marketing book was introduced by Jay Conrad Levinson in 1984, has supported and empowered entrepreneurs, small and medium sized businesses, solopreneurs, and people with ideas that they think can be a business. Where does it all begin? That’s a simple answer: with a strong foundation of Guerrilla Marketing. Jason and Merrilee spend the first section reviewing the strong foundational elements of Guerrilla Marketing and spend the remaining sections of Guerrilla Marketing sharing today’s Guerrilla Marketing tactics, tools, and tips. These are the Guerrilla Marketing resources that every business needs to succeed and generate profits. They also offer a FREE companion course to help entrepreneurs continue to build their rock-solid Guerrilla Marketing foundation. In the companion course, Jason and Merrilee dive deeper with video tutorials, exercises, and the tools entrepreneurs need to build that crucial foundation from which their Guerrilla Marketing success will be born. Guerrilla Marketing also contains 70+ free online tools for small businesses. Jason and Merrilee are continuing Jay Conrad Levinson’s unconventional system of marketing. By understanding not only what marketing is but why it works, they give small and medium sized businesses (SMBs) the opportunity to think and grow big. When the power of one’s SMB is understood and what they can do with Guerrilla Marketing, it not only levels the playing field with competition, but it also tilts the playing field to their advantage.

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

The grandest accomplishments of engineering took place in the twentieth century. The widespread development and distribution of electricity and clean water, automobiles and airplanes, radio and television, spacecraft and lasers, antibiotics and medical imaging, computers and the Internet are just some of the highlights from a century in which engineering revolutionized and improved virtually every aspect of human life. In this book, the authors provide a glimpse of the new trends of technologies pertaining to control, management, computational intelligence and network systems.

Learn how to gather detailed statistics and data with this one-stop, comprehensive course along with hands-on recipes to get your infrastructure up and running with Zabbix. About This Book Monitor your network and deploy impressive business solutions with Zabbix Get practical recipes to automate your Zabbix infrastructure and create impressive graphs Integrate, customize, and extend your monitoring solutions with external components and software. Who This Book Is For This course is for System Administrators who have been managing and monitoring infrastructure. You do not need any knowledge about Zabbix. What You Will Learn Efficiently collect data from a large variety of monitoring objects Organize your data in graphs, charts, maps, and slide shows Write your own custom probes and monitoring scripts to extend Zabbix Configure Zabbix and its database to be high available and fault-tolerant Automate repetitive procedures using Zabbix's API Find out how to monitor SNMP devices Manage hosts, users, and permissions while acting upon monitored conditions Set up your Zabbix infrastructure efficiently Customize the Zabbix interface to suit your system needs Monitor your VMware infrastructure in a quick and easy way with Zabbix In Detail Nowadays, monitoring systems play a crucial role in any IT environment. They are extensively used

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

to not only measure your system's performance, but also to forecast capacity issues. This is where Zabbix, one of the most popular monitoring solutions for networks and applications, comes into the picture. With an efficient monitoring system in place, you'll be able to foresee when your infrastructure runs under capacity and react accordingly. Due to the critical role a monitoring system plays, it is fundamental to implement it in the best way from its initial setup. This avoids misleading, confusing, or, even worse, false alarms that can disrupt an efficient and healthy IT department. This course is for administrators who are looking for an end-to-end monitoring solution. It will get you accustomed with the powerful monitoring solution, starting with installation and explaining the fundamentals of Zabbix. Moving on, we explore the complex functionalities of Zabbix in the form of enticing recipes. These recipes will help you to gain control of your infrastructure. You will be able to organize your data in the form of graphs and charts along with building intelligent triggers for monitoring your network proactively. Toward the end, you will gain expertise in monitoring your networks and applications using Zabbix. This Learning Path combines some of the best that Packt has to offer in one complete, curated package. It includes content from the following Packt products: Zabbix Network Monitoring-Second Edition Zabbix Cookbook Mastering Zabbix-Second Edition

Style and approach This course is a compact practical guide that starts from the fundamentals of Zabbix and takes you all the way to building a monitoring solution that gathers data from a large variety of systems. Along the way, we will discuss the low-level operational details that should benefit you even if you have used Zabbix for a while. It also follows a step-by-step approach that is easy to follow, full of engaging examples, and will help you apply the theory to practice. In today's IT architectures, microservices and serverless

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

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

Provides directions for installing and setting up a home automation system, allowing users to control appliances, lighting, devices, home security, and other household systems from anywhere.

"The Japanese samurai Musashi wrote: 'One can win with the long sword, and one can win with the short sword. Whatever the weapon, there is a time and situation in which it is appropriate.' "Similarly, we have the long RUP and the short RUP, and all sizes in between. RUP is not a rigid, static recipe, and it evolves with the field and the practitioners, as demonstrated in this new book full of wisdom to illustrate further the liveliness of a process adopted by so many organizations around the world. Bravo!" --Philippe Kruchten, Professor, University of British Columbia "The Unified Process and its practices have had, and continue to have, a

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

great impact on the software industry. This book is a refreshing new look at some of the principles underlying the Unified Process. It is full of practical guidance for people who want to start, or increase, their adoption of proven practices. No matter where you are today in terms of software maturity, you can start improving tomorrow." --Ivar Jacobson, Ivar Jacobson Consulting "Kroll and Maclsaac have written a must-have book. It is well organized with new principles for software development. I encounter many books I consider valuable; I consider this one indispensable, especially as it includes over 20 concrete best practices. If you are interested in making your software development shop a better one, read this book!" --Ricardo R. Garcia, President, Global Rational User Group Council, www.rational-ug.org/index.php "Agile software development is real, it works, and it's here to stay. Now is the time to come up to speed on agile best practices for the Unified Process, and this book provides a great starting point." --Scott W. Ambler, practice leader, Agile Modeling "IBM and the global economy have become increasingly dependent on software over the last decade, and our industry has evolved some discriminating best practices. Per and Bruce have captured the principles and practices of success in this concise book; a must for executives, project managers, and practitioners. These ideas are progressive, but they strike the right balance between agility and governance and will form the foundation for successful systems and software developers for a long time." --Walker Royce, Vice President, IBM Software Services-Rational "Finally, the RUP is presented in digestible, byte-size pieces. Kroll and Maclsaac effectively describe a set of practices that can be adopted in a low-ceremony, ad hoc fashion, suited to the culture of the more agile project team, while allowing them to understand how to scale their process as needed." --Dean Leffingwell, author and software business advisor and

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

executive "This text fills an important gap in the knowledge-base of our industry: providing agile practices in the proven, scalable framework of the Unified Process. With each practice able to be throttled to the unique context of a development organization, Kroll and Maclsaac provide software teams with the ability to balance agility and discipline as appropriate for their specific needs." --Brian G. Lyons, CTO, Number Six Software, Inc. In *Agility and Discipline Made Easy*, Rational Unified Process (RUP) and Open Unified Process (OpenUP) experts Per Kroll and Bruce Maclsaac share twenty well-defined best practices that you and your team can start adopting today to improve the agility, predictability, speed, and cost of software development. Kroll and Maclsaac outline proven principles for software development, and supply a number of supporting practices for each. You'll learn what problems each practice addresses and how you can best leverage RUP and OpenUP (an open-source version of the Unified Process) to make the practice work for you. You'll find proactive, prescriptive guidance on how to adopt the practices with minimal risk and implement as much or as little of RUP or OpenUP as you want. Learn how to apply sample practices from the Unified Process so you can Execute your project in iterations Embrace and manage change Test your own code Describe requirements from the user perspective Architect with components and services Model key perspectives Whether you are interested in agile or disciplined development using RUP, OpenUP, or other agile processes, this book will help you reduce the anxiety and cost associated with software improvement by providing an easy, non-intrusive path toward improved results--without overwhelming you and your team.

DeFi is evolving so fast that I have decided to write a second book to complement my first book 'Defi Handbook- A comprehensive Guide to Decentralized Finance' so that you

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

are kept up to date on DeFi development. I have included most of the contents in the first book to benefit readers who have not possessed the first book. However, I have rearranged the topics into categories like Lending, Trading, Liquidity mining and more for easy reading. Besides that, I have also included new platforms like Harvest Finance, Sora Farm, InstaDapp, C.R.E.A.M Finance, Alpha Amora , Torque and more. In addition, I have also added several topics that I think every reader should learn. The new topics include flash loan, a loan that you can borrow and repay in the same transaction. I explained the concept in detail and then guide you on how to execute a flash loan. Another topic is risk management. Although DeFi is an attractive investment opportunity, the risk is also high. In this topic, I will explain how to can reduce risk due to smart contract failure, wallet security and more. Besides that, I will show you how to reduce or hedge risks by using the products and services offered by some of the DeFi platforms for buying and selling protection. The protection includes options trading and insurance.

As networks grow ever more complex, network professionals are seeking to automate processes for configuration, management, testing, deployment, and operation. Using automation, they aim to lower expenses, improve productivity, reduce human error, shorten time to market, and improve agility. In Network Automation Made Easy, expert practitioner Ivo Pinto presents all the concepts and techniques you'll need to move your entire physical and virtual infrastructure towards greater automation, and maximize the value it delivers. Writing for experienced professionals, Ivo Pinto reviews today's leading use cases for automation, compares leading tools, and presents a deep dive into using the open source Ansible engine to automate common tasks. You'll find everything you need: from practical code snippets to real-

Online Library Automation Made Easy Everything You Wanted To Know About Automation And Need To Ask

world case studies to a complete methodology for planning strategy. Coverage includes: Exploring modern use cases for network automation, and comparing today's most widely used automation tools Capturing essential data for use in network automation, using standard formats such as JSON, XML, and YAML Getting more value from the data your network can capture Installing Ansible and mastering its building blocks, including plays, tasks, modules, variables, conditionals, loops, and roles Performing common networking tasks with Ansible playbooks: managing files, devices, VMs, cloud constructs, APIs, and more Discovering how Ansible can be used to automate even the largest global network architectures Using NetDevOps to transform your approach to automation Creating a new NetDevOps pipeline, step by step Building a network automation strategy from the ground up, reflecting enterprise lessons

[Copyright: d06278970f1e7421479a174e8f663c57](#)