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If you're new to software product management or just want to learn more about it, there's plenty of advice available—but most of it is geared toward consumer products. Creating high-quality software for the enterprise involves a much different set of challenges. In this practical book, two expert product managers provide straightforward guidance for people looking to join the thriving enterprise market. Authors Blair Reeves and Benjamin Gaines explain critical differences between enterprise and consumer products, and deliver strategies for overcoming challenges when building for the enterprise. You'll learn how to cultivate knowledge of your organization, the products you build, and the industry you serve. Explore why: Identifying customer vs user problems is an enterprise project manager's main challenge Effective collaboration requires in-depth knowledge of the organization Analyzing data is key to understanding why users buy and retain your product Having experience in the industry you're building products for is valuable Product longevity depends on knowing where the industry isheaded Enterprise Integration Patterns provides an invaluable catalog of sixty-five patterns, with real-world solutions that demonstrate the formidable of messaging and help you to design effective messaging solutions for your enterprise. The authors also include examples covering a variety of different integration technologies, such as JMS, MSMQ, TIBCO ActiveEnterprise, Microsoft BizTalk, SOAP, and XSL. A case study describing a bond trading system illustrates the patterns in practice, and the book offers a look at emerging standards, as well as insights into what the future of enterprise integration might hold. This book provides a consistent vocabulary and visual notation framework to describe large-scale integration solutions across many technologies. It also explores in detail the advantages and limitations of asynchronous messaging architectures. The authors present practical advice on designing code that connects an application to a messaging system, and provide extensive information to help you determine when to send a message, how to route it to the proper destination, and how to monitor the health of a messaging system. If you want to know how to manage, monitor, and maintain a messaging system once it is in use, get this book. The book is about developing mobile Enterprise solutions based on the Microsoft Pocket PC platform. The reader is provided with a discussion of the business impact of mobile solutions, a method that facilitates the development of Pocket PC applications, mobile system architecture design, getting started instructions, and a significant amount of sample code walkthroughs. The sample code is based on: eMbedded Visual Basic SQL Server 2000 Windows © CE Edition SQL Server 2000 Odyssey Software CFusion Transaction Server (Component Services) Message Queue Server Internet Information Server (HTML, XML/XSL, ASP) Web Services using SOAP Developers already familiar with Microsoft tools and infrastructure are given a mobile development kick-start. The book contains the story of a fictitious company, ACME Copier Inc and how their field service operation uses Pocket PC applications to improve customer satisfaction and productivity. The client- and server side components that make it all work are included with the book, which will enable the reader to reuse vital elements of the solution. The following software is available on the CD: All the book samples in source code format Microsoft ActiveSync 3.1 Microsoft embedded Visual Tools 3.0 Microsoft SQL Server 2000 for Windows CE 1.1 Odyssey Software CFusion 3.5 Free Developer Enterprise Edition - \$500! Odyssey Software ViaXML 1.1 Trial Edition Software 309 PictureBox Control 2.7 Odyssey Software OSUtil 1.0 Ezos EzWAP 2.0 Evaluation Larry Banks' Virtual iPAQ/EM500/Jordana Microsoft SOAP Toolkit 2.0 Simon Fell's Pocket SOAP 0.9 Microsoft Reader 1.5 Read in Microsoft Reader add-in for Microsoft Word 1.0 Every enterprise architect faces similar problems when designing and governing the enterprise architecture of a medium to large enterprise. Design patterns are a well-established concept in software engineering, used to define universally applicable solution schemes. By applying this approach to enterprise architectures, recurring problems in the design and implementation of enterprise architectures can be solved over all layers, from the business layer to the application and data layer down to the technology layer. Inversini and Perroud describe patterns at the level of enterprise architecture, which they refer to as Enterprise Architecture Patterns. These patterns are motivated by recurring problems originating from both the business and the underlying application, or from data and technology architectures of an enterprise such as identity and access management or integration needs. The Enterprise Architecture Patterns help in planning the technological and organizational landscape of an enterprise and its information technology, and are easily embedded into frameworks such as TOGAF, Zachman or FEA. This book is aimed at enterprise architects, software architects, project leaders, business consultants and everyone concerned with questions of IT and enterprise architecture and provides them with a comprehensive catalogue of ready-to-use patterns as well as an extensive theoretical framework to define their own new patterns. Monitor, diagnose, and maximize the system performance of Oracle Fusion Middleware solutions using this book and eBook. "This book illuminates the connection of the two domains--SOA and REST--in a manner that is concrete and practical, providing concise application to everyday architectural challenges. Fantastic!" --Ryan Frazier, Technology Strategist, Microsoft "...a tour de force that elegantly applies REST principles to the industry-standard SOA framework described in prior titles in this series.... This book is a must-read for anyone developing REST services." --Dave Slotnick, Enterprise Architect, Rackspace Hosting "This book undoubtedly will help SOA to reap the benefits from the main value propositions of Web architecture...." --Dr. Erik Wilde, Architect, EMC Corporation "REST is so much more than just another type of interface implementation--SOA with REST shows how the ecosystem of service compositions changes as new opportunities arise for service composition architecture designs. A comprehensive guide and a must-read for any serious IT architect considering REST-style services for application architectures." --Roger Stoffers, Solution Architect, Hewlett Packard "Service-orientation and REST both are architectural styles that are cornerstones of modern applications and cloud computing. Both aim to deliver scalable, interoperable solutions, but their different roots don't always make them a natural fit. SOA with REST explains how the two styles can work together in enterprise environments. It discusses a design process for a services portfolio that meets the goals of SOA and at the same time designs services that comply with the established REST constraints. It also shows pragmatic approaches to meet enterprise-grade requirements with the REST programming style but relaxes constraints where necessary." --Christoph Schittko, Director of Cloud Strategy, Microsoft "An excellent repertoire of service-oriented patterns that will prove handy when solving problems in the real world. The REST perspectives and principles will provide complete coverage of modern-day Web 2.0 style approaches. Highly recommended." --Sid Sanyal, IT Architect, Zurich Financial Services "An inspirational book that provides deep insight into the design and development of next-generation service-oriented systems based on the use of REST. This book clarifies the convergence of SOA and REST with no-nonsense content that addresses common questions and issues head-on. An essential "instrument of modern service implementation" and a powerful body of knowledge for software designers, architects, and consultants." --Pethuru Raj, Ph.D., Enterprise Architecture (EA) Consultant, Wipro Consulting Services "REST and SOA are two of the most misunderstood terms in the software industry over the past decade. Yet the REST architectural style coupled with modern RESTful framework implementations provides a scalable and reliable approach to SOA. This book covers all you need to know about how to take the principles of REST and apply them in small and large SOA developments. If you are familiar with REST and thinking about SOA, then you need this book. If you have not considered REST in your SOA work, then this book is for you, too. Covering concepts of both REST and SOA, as well as design patterns and when to use them, the book is a wonderful companion and a good tool for architects and engineers." --Dr. Mark Little, CTO JBoss, Red Hat "Unlike many other texts on the subject, SOA with REST is a well-rounded, easy-to-read narrative, including real-world case studies that appeal to both developers and analysts. This makes it an indispensable source for any SOA practitioner or any professional who is planning to initiate an SOA project." --Theodore T. Morrison, Certified SOA Analyst, CSM, Geocent, LLC "SOA and REST are two very important architectural styles for distributed computing. SOA is successfully adopted by most enterprises, and the REST style is getting more attention from both researcher and industry users. The book SOA with REST introduces a new architectural style that is ingeniously combining both SOA and REST styles and clearly reveals how SOA and REST can work together to generate successful enterprise SOA strategies with REST, along with guidance for making architecture design decisions. This book is a bible of best practices for designing and implementing SOA architecture with REST. It is a must-have reference book for both IT practitioners and researchers." --Longji Tang, FedEx IT Senior Technical Advisor, Ph.D. in CSSE The Definitive Guide to Building Web-Centric SOA with REST The World Wide Web is based on the most successful technology architecture in history. It has changed how we view, access, and exchange information and, with the advent of REST, it has also provided us with compelling ways to build and improve automation solutions. REST provides a great deal of guidance to ensure that an architecture and its automation logic are technically sound, though it is still your responsibility to build services that actually add value to your business. SOA with REST is the first comprehensive tutorial and reference for designing and building RESTful services as part of service-oriented solutions and in conjunction with service-oriented architecture (SOA). This book demonstrates that REST is not only a suitable medium for building truly service-oriented solutions, but also that the service-oriented architectural model is a necessary foundation for REST technology architectures to realize their full business potential. The authors provide thorough mapping of REST constraints and architectural goals with service-orientation principles and SOA characteristics. Using real-world examples, they show how to leverage REST's simplicity, flexibility, and low overhead without compromising the power or manageability of service-oriented solutions and architectures. This book will be valuable to IT architects, developers, and any practitioner seeking to use SOA and REST together. Topic Areas Distributed solution design with HTTP and REST REST-based service composition architectures REST service modeling and a service-oriented analysis process for REST service candidates Technical service contract notation for REST services based on a uniform contract Designing REST service contracts with service-orientation Understanding REST constraints in relation to service-orientation principles Using hypermedia and dynamic binding within SOA and service compositions Creating complex HTTP-based methods for enterprise solutions Advanced design techniques, including composition deepening, runtime logic deferral, and dynamic binding with common properties Cross-service transactions and event-driven messaging with REST Addressing enterprise solution concerns in relation to REST-based state management Applying SOA design patterns to REST-based solutions Distinguishing REST and SOA service concepts and terminology Designing REST architectures with SOA Versioning REST services and uniform contracts Fundamental REST, SOA, and service-orientation concepts and terminology REST constraints, REST architectural goals, and properties Seven new REST-inspired design patterns Defining common goals of REST and SOA More than just another tool book, this content-packed reference explores the reasons why you would use Visual Studio, the techniques professional developers employ when working with this tool suite, and the architectural underpinnings of leading-edge application development. A major focus of the book is Visual Studios use of COM, which is the centerpiece of Microsofts architecture. In addition, integrating with key BackOffice tools are covered including SQL Server, Transaction Server, and Message Queue. Finally, full treatment is given to the use of Visual Basic, Visual C++, Visual J++ and the Visual InterDev environment for distributed as well as web-based development. This includes the use of Dynamic HTML. Unique coverage demonstrates cross tool development and how to build integrated programs and select the best development tool for the task at hand. Demystify architecting complex blockchain applications in enterprise environments Architecting Enterprise Blockchain Solutions helps engineers and IT administrators understand how to architect complex blockchain applications in enterprise environments. The book takes a deep dive into the intricacies of supporting and securing blockchain technology, creating and implementing decentralized applications, and incorporating blockchain into an existing enterprise IT infrastructure. Blockchain is a technology that is experiencing massive growth in many facets of business and the enterprise. Most books around blockchain primarily deal with how blockchains are related to cryptocurrency or focus on pure blockchain development. This book teaches what blockchain technology is and offers insights into its current and future uses in high performance networks and complex ecosystems. This is a practical, hands-on approach Demonstrates the power and flexibility of enterprise blockchains such as Hyperledger and R3 Corda Explores how blockchain can be used to solve complex IT support and infrastructure problems Offers numerous hands-on examples and diagrams Get ready to learn how to harness the power and flexibility of enterprise blockchains! Society demands a world that is truly safe and secure for all children to be born and raised into! All pedophiles are lobotomized the first time they offend! All runaway parents are found through national registries and forced to support their abandoned children! All females are sterilized at the age of eight years old! The Catholic Church endorses the national policy of sterilization! All females are tagged on their skin with their medical records as proof of sterilization. Any female adult found in noncompliance is hunted down and physically forced to comply! Any and all supporters of non-compliance are harshly dealt with. Reversal of sterilization is only possible after a lengthy peer review to determine applicants worth eligibility to physically have, care and provide for a child. Constant monitoring is part of their acceptance for the procedure. Every new request for pregnancy requires a new review for eligibility, having passed once does not automatically ensure future allowed pregnancies. All this and more ensures a better society where the needs and rights of a child are placed before those of any adult. Design an enterprise solution from scratch that allows the migration of a legacy application. Begin with the planning and design phase and be guided through all the stages of selecting the architecture framework that fits your enterprise. Join Microsoft MVP Josh Garverick as he addresses all major areas of design and implementation—application, infrastructure, data, security, and deployment—while leveraging the power and tools of Visual Studio Team Services (VSTS) to bring DevOps to the forefront. With an emphasis on principles and best practices of enterprise design, you will discover how to recognize existing patterns within the legacy platform and to identify potential risks, bottlenecks, and candidates for automation. What You'll Learn Accurately and completely capture baseline information about a legacy system Leverage enterprise patterns for constructing next-generation platforms in the cloud Design, plan, and implement deployment pipelines to enable continuous delivery Identify and implement cloud-based platform components to reduce total cost of ownership Understand testing and validation: iterative component authoring, monitoring, deployment, and performance Price and perform capacity planning for cloud-based infrastructure and workloads Who This Book Is For Enterprise architects and IT professionals who are required to keep legacy applications relevant in today's cloud-first world Hello everyone! This guide contains as many latest practice exam questions and answers as possible to prepare you for your 1Y0-371 exam. Latest Questions & Answers details: Exam Name: Designing, Deploying and Managing Citrix XenMobile 10 Enterprise Solutions 1Y0-371 Exam Code: 1Y0-371 Total Questions in the guide: 118 Questions with Answers. Good luck on the exam, An IT decision-maker's road map to creating scalable and reliable Windows 2000 clustered systems. Clustering Windows 2000 explains what a cluster is and what it is not. It explains the concepts and technology from the perspective of Microsoft's Windows family of operating systems. Mauler and Beebe thoroughly explore the critical interaction and integration of state-of-the-art computer hardware with these operating systems and also with third-party layered solutions. However, more than teaching technology, the book provides a unique framework by which readers can evaluate their organizations' own clustering needs. The new Cluster Configuration MatrixC presented here allows them to determine the utility of the many clustering products and solutions given their companies' specific requirements for high availability. Clustering Windows 2000 enables IT professionals to create a highly effective clustering strategy that can grow with their organizations' needs and accommodate ongoing developments in clustering technology. This unique book is for everyone from system designers to IT managers who want a solid understanding of the optimal products and technologies they can use in creating "clusters" of computers to support truly enterprise-caliber programs. Demystifies Windows clustering from both a hardware and software viewpointDefines clustering terminology and concepts from a vendor-neutral perspectiveProvides a matrix for evaluating the multitude of cluster technology offerings As organizations continue to move towards digital enterprise, the need for digital transformation continues to grow especially due to the COVID-19 pandemic. These impacts will last far into the future, as newer digital technologies continue to be accepted, used, and developed. These digital tools will forever change the face of business and management. However, on the road to digital enterprise transformation there are many successes, difficulties, challenges, and failures. Finding solutions for these issues through strategic thinking and identification of the core issues facing the enterprise is of primary concern. This means modernizing management and strategies around the digital workforce and understanding digital business at various levels. These key areas of digitalization and global challenges, such as those during or derived from the pandemic, are new and unique; They require new knowledge gained from a deep understanding of complex issues that have been examined and the solutions being discovered. Emerging Challenges, Solutions, and Best Practices for Digital Enterprise Transformation explores the key challenges being faced as businesses undergo digital transformation. It provides both solutions and best practices for not only handling and solving these key issues, but for becoming successful in digital enterprise. This includes topics such as security and privacy in technologies, data management, information and communication technologies, and digital marketing, branding, and commerce. This book is ideal for managers, business professionals, government, researchers, students, practitioners, stakeholders, academicians, and anyone else looking to learn about new developments in digital enterprise transformation of business systems from a global perspective. The Definitive Guide to Building Web-Centric SOA with REST The World Wide Web is based on the

most successful technology architecture in history. It has changed how we view, access, and exchange information and, with the advent of REST, it has also provided us with compelling ways to build and improve automation solutions. REST provides a great deal of guidance to ensure that an architecture and its automation logic are technically sound, though it is still your responsibility to build services that actually add value to your business. SOA with REST is the first comprehensive tutorial and reference for designing and building RESTful services as part of service-oriented solutions and in conjunction with service-oriented architecture (SOA). This book demonstrates that REST is not only a suitable medium for building truly service-oriented solutions, but also that the service-oriented architectural model is a necessary foundation for REST technology architectures to realize their full business potential. The authors provide thorough mapping of REST constraints and architectural goals with service-orientation principles and SOA characteristics. Using real-world examples, they show how to leverage REST's simplicity, flexibility, and low overhead without compromising the power or manageability of service-oriented solutions and architectures. This ebook will be valuable to IT architects, developers, and any practitioner seeking to use SOA and REST together. A Hands-on guide to modeling and managing business services using Oracle Enterprise Manager 11g R1 using this book and eBook. Your guide to planning and executing a complete mobile web strategy Revisit your approach to the mobile web—and deliver effective solutions that reach customers and clients on a variety of mobile devices. In this practical guide, web development luminary Dino Esposito shows you how to develop a solid mobile strategy for the enterprise, starting with an effective mobile website. You'll receive essential architectural and implementation guidance, as well as mobile-specific design patterns for building cross-platform and native applications. Discover how to: Architect a website accessible from many different mobile devices Implement design patterns specific to mobile app development Examine tools that enable you to write one codebase for many platforms Use technologies for building Windows Phone, iPhone, and Android apps Develop cross-platform app features, such as localization and offline behavior PLEASE PROVIDE COURSE INFORMATION PLEASE PROVIDE "This book provides a clear and simple framework to help software companies understand enterprise-level information systems, and help them build software products compatible with organizations, humans, and complex customer environments"--Provided by publisher. "This book covers both theoretical approaches and practical solutions in the processes for aligning enterprise, systems, and software architectures"--Provided by publisher. This is the definitive, must-have QuickBooks 2010 reference for every business owner and accounting professional. Not a beginner's guide, this is a high-productivity resource for solving the problems that intermediate-to-advanced QuickBooks users encounter most often. Author Laura Madeira is well-qualified to write this book: she has 20 years experience training professionals on Intuit products, and has been selected by Intuit to introduce its new releases to accountants and business entrepreneurs. Here, she offers real solutions for every QuickBooks accounting module, helping you achieve their true goal for QuickBooks: a clear, up-to-date understanding of where the business stands, and where it's headed. Madeira's expert consulting advice covers: data files, banking; A/R, undeposited funds, employee advances, inventory, A/P, sales tax, payroll, reporting, sharing data with accountants, and much more. Offers expert solutions, processes, and QuickBooks troubleshooting help users can't find in any other book Shows how to fix errors and problems wherever they occur, from A/R and A/P to sales tax and payroll "This book is to provide comprehensive coverage and understanding of various enterprise information systems (EIS) such as enterprise resource planning (ERP) and electronic commerce (EC) and their implications on supply chain management and organizational competitiveness"--Provided by publisher. The first, comprehensive strategy guide to wireless applications, synchronization, and backends This book is for managers everywhere who feel overwhelmed by the sheer number of wireless technology options available to them. Author Scott Sbihli cuts through the hype and offers a rational framework to help managers determine their wireless strategy, figure out which handheld enterprise solutions will give the greatest return, and evaluate and choose the most appropriate technologies, in order to give them the competitive edge that their company requires. With the help of real-life examples and case studies, readers get the low-down on the trends, emerging technologies, security and maintenance issues, bottom line wireless costs, and much more. Open source is a free resource, available to anyone's contribution, and open to collaboration between technical professionals resulting in increased reliability, more customization operations, and faster solutions than ever before. This book helps readers understand just how to integrate open source resources as an enterprise solution. (Midwest). Discover the benefits—and drawbacks—of Google® Google® has become a nearly omnipresent tool of the Internet, with its potential only now beginning to be realized. How can librarians effectively integrate this powerful search engine to provide service to their patrons? Libraries and Google® presents leading authorities discussing the many possibilities of using Google® products as effective, user-friendly tools in libraries. Google Scholar and Print are extensively explored with an eye toward offering an expanded view of what is and may be possible for the future, with practical insights on how to make the most of the product's capabilities. It seems certain that Google® is here to stay. Libraries and Google® comprehensively examines this "disruptive technology" that is seen as both a threat and an opportunity by both librarians and publishers. Both perspectives are explored in depth, along with practical applications of this and other Google® technology that may be new to librarians. Google® products and other more familiar research tools are compared for effectiveness and ease of use. The various unique needs of users and scholars are detailed and considered as a springboard for insightful discussion of the future role of librarians in today's world. Potential problems are closely examined, such as copyright issues of digitization, and privacy concerns sparked by its collection of personal information about its users. The book comprehensively explores the path libraries need to travel to benefit from the search tool, rather than being overwhelmed and destroyed by it. Topics in Libraries and Google® include: the viewpoint that Google® may make libraries obsolete new opportunities for libraries through using Google® products technical aspects of purchasing and implementing Google® search products with proprietary vendor databases testing the performance of Google Scholar and Print practical use of Google®'s products personal privacy issues making digitized library resources more accessible digitization of copyrighted materials much, much more! Libraries and Google® is horizon-expanding reading for all librarians, library science educators and students, library administrators, publishers, and university presses. Volume 2 of Libraries and Google® is in preparation. Google® is a Registered Service Mark of Google, Inc., Mountain View, California. Libraries and Google® is an independent publication offered by The Haworth Press, Inc., Binghamton, New York, and is not affiliated with, nor has it been authorized, sponsored, endorsed, licensed, or otherwise approved by, Google, Inc. Get expert guidance on patterns—simple, proven mechanisms by which software professionals can share important architectural tradeoffs and design decisions—and help reduce the complexity of building high-performance, enterprise-class business solutions. Focusing on architectural, design, and implementation patterns for Microsoft .NET, this guide captures the knowledge of seasoned developers and shares their time-tested patterns and best practices. Developers and architects learn how to use individual patterns for specific technical scenarios, as well as how to combine patterns to build more complex solutions. All PATTERNS & PRACTICES guides are reviewed and approved by Microsoft engineering teams, consultants, partners, and customers—delivering accurate, real-world information that's been technically validated and tested. With more than three million users, MySQL is the most popular open-source database server in the world, providing an extremely fast, reliable, and inexpensive alternative to commercial database management systems Gives corporate users a complete guide to building enterprise-level database applications with MySQL Covers the pros and cons of adopting MySQL and installing, testing, and configuring the MySQL server Written by one of the lead programmers of the MySQL product and reviewed by Monty Widenius, the creator of MySQL Companion Web site includes all code examples as well as links to useful online resources Gain a 360-degree view of Microsoft Power Platform and combine the benefits of Power Apps, Power BI, Power Automate, Azure, and Dynamics 365 to build an enterprise application platform for your organization Key FeaturesExplore various Microsoft cloud components and find out how they can enhance your Power Platform solutionsGet to grips with Microsoft Power Platform's security and extensibility, integration, and data migration modelsDiscover architectural best practices for designing complex enterprise solutionsBook Description For forward-looking architects and decision makers who want to craft complex solutions to serve growing business needs, Microsoft Power Platform Enterprise Architecture offers an array of architectural best practices and techniques. With this book, you'll learn how to design robust software using the tools available in the Power Platform suite and be able to integrate them seamlessly with various Microsoft 365 and Azure components. Unlike most other resources that are overwhelmingly long and unstructured, this book covers essential concepts using concise yet practical examples to help you save time. You'll develop the skills you need to architect, design, and manage a complex solution as you follow the journey of a fictitious enterprise customer as they enter the world of Power Platform. Throughout the book, you'll discover how to combine the functionality of Power Apps, Power Automate, Power BI, and Power Virtual Agents with various methodologies to effectively address application lifecycle management, security, and extensibility. Finally, you'll learn how to overcome common challenges in migrating data to and from Microsoft Power Platform using proven techniques. By the end of this book, you'll have the strategic perspective of an enterprise architect to make accurate architectural decisions for your complex Power Platform projects. What you will learnUnderstand various Dynamics 365 CRM, ERP, and AI modules for creating Power Platform solutionsEnhance Power Platform with Microsoft 365 and AzureFind out which regions, staging environments, and user licensing groups need to be employed when creating enterprise solutionsImplement sophisticated security by using various authentication and authorization techniquesExtend Power Apps, Power BI, and Power Automate to create custom applicationsIntegrate your solution with various in-house Microsoft components or third-party systems using integration patternsWho this book is for This book is for enterprise architects and technical decision makers who want to craft complex solutions using Microsoft Power Platform to serve growing business needs and to stay competitive in the modern IT world. A basic understanding of Microsoft Power Platform will help you to get started with this book. Enterprise resource planning (ERP) refers to large commercial software packages that promise a seamless integration of information flow through an organization. Traditionally, separate units were created within an organization to carry out various tasks, and these functional areas would create their own information systems thereby giving rise to systems that were not integrated. ERP strives to provide a solution to these problems. Enterprise Resource Planning Solutions and Management examines the issues that need to be further studied and better understood to ensure successful implementation and deployment of ERP systems. Globalization, rapid technology churn, and massive economic shifts have made it more difficult than ever to deliver high-value enterprise software. In Enterprise Software Delivery, IBM Distinguished Engineer Alan W. Brown guides decision-makers in understanding these new challenges, choosing today's best solutions, and successfully anticipating future trends. Alan presents detailed, actionable techniques for building software supply chains that improve agility and innovation while responding to growing cost pressure. Using real-world case studies, he introduces the modern global software factory, demonstrating how to integrate and leverage global outsourced teams, collaborative application lifecycle management, and cloud-based virtual infrastructures. Drawing on his extensive experience leading IBM Rational software strategy, and consulting with IBM enterprise customers, Alan illuminates everything from software R&D to metrics. Coverage includes Understanding recent dramatic changes in enterprise software delivery requirements and practices Overcoming false assumptions, outdated data and delivery models, and inexperience with strategy, innovation, education, or research Incorporating integrators and partners in centers of excellence that specialize in delivering business value Establishing team-based practices that encourage agility, scalability, and quality Building adaptive software factories that integrate real-time feedback and respond rapidly to change Using virtualized collaborative infrastructure to connect worldwide teams for developing software, assembling solutions, and delivering results Transcending barriers related to geography, organization, skills, and culture If you're an enterprise software leader, strategist, or practitioner, this book can help you improve every facet of performance you care about, including agility, quality, predictability, innovation, and value. Big Data refers to huge humungous data. Often, this data is not only humungous in size but growing at a fast rate possibly exponentially. Such data as you can imagine is complex as well as useful. If mined with appropriate algorithms and tools such data can reveal valuable insights. Big data analytics is the method of evaluating huge and variety of data groups within the big data to provide outputs such as patterns, trendlines, coordinates, risk factors, correlations and preferences. Decisions based on big data analysis can affect all of us in core aspects of our daily life from the routine to the very important. No industry today can do without this domain. BIG DATA - Challenge & Opportunity. Big Data: The Famous Four V's. Big Data Classification. Hadoop - The Ecosystem. Hadoop-Demystified. BIG DATA ANALYTICS - Introduction. General Principles of Analytics . Techniques of Analytics. ENTERPRISE SOLUTIONS - Enterprise Architect. SNAPSHOT. CAREER POINT. INTERVIEW QUESTIONS A practical handbook packed with expert advice on architectural considerations for designing solutions using SAP BTP to drive digital innovation Purchase of the print or Kindle book includes a free eBook in the PDF format Key Features Guide your customers with proven architectural strategies and considerations on SAP BTP Tackle challenges in building process and data integration across complex and hybrid landscapes Discover SAP BTP services, including visualizations, practical business scenarios, and more Book Description SAP BTP is the foundation of SAP's intelligent and sustainable enterprise vision for its customers. It's efficient, agile, and an enabler of innovation. It's technically robust, yet its superpower is its business centricity. If you're involved in building IT and business strategies, it's essential to familiarize yourself with SAP BTP to see the big picture for digitalization with SAP solutions. Similarly, if you have design responsibilities for enterprise solutions, learning SAP BTP is crucial to produce effective and complete architecture designs. This book teaches you about SAP BTP in five parts. First, you'll see how SAP BTP is positioned in the intelligent enterprise. In the second part, you'll learn the foundational elements of SAP BTP and find out how it operates. The next part covers integration architecture guidelines, integration strategy considerations, and integration styles with SAP's integration technologies. Later, you'll learn how to use application development capabilities to extend enterprise solutions for innovation and agility. This part also includes digital experience and process automation capabilities. The last part covers how SAP BTP can facilitate data-to-value use cases to produce actionable business insights. By the end of this SAP book, you'll be able to architect solutions using SAP BTP to deliver high business value. What you will learn Explore value propositions and business processes enabled by SAP's Intelligent and Sustainable Enterprise Understand SAP BTP's foundational elements, such as commercial and account models Discover services that can be part of solution designs to fulfill non-functional requirements Get to grips with integration and extensibility services for building robust solutions Understand what SAP BTP offers for digital experience and process automation Explore data-to-value services that can help manage data and build analytics use cases Who this book is for This SAP guide is for technical architects, solutions architects, and enterprise architects working with SAP solutions to drive digital transformation and innovation with SAP BTP. Some IT background and an understanding of basic cloud concepts is assumed. Working knowledge of the SAP ecosystem will also be beneficial. Innovate at scale through well-architected API-led products that drive personalized, predictive, and adaptive customer experiences Key FeaturesStrategize your IT investments by modeling enterprise solutions with an API-centric approachBuild robust and reliable API platforms to boost business agility and omnichannel deliveryCreate digital value chains through the productization of your APIsBook Description API-centric architectures are foundational to delivering omnichannel experiences for an enterprise. With this book, developers will learn techniques to design loosely coupled, cloud-based, business-tier interfaces that can be consumed by a variety of client applications. Using real-world examples and case studies, the book helps you get to grips with the cloudbased design and implementation of reliable and resilient API-centric solutions. Starting with the evolution of enterprise applications, you'll learn how API-based integration architectures drive digital transformation. You'll then learn about the important principles and practices that apply to cloud-based API architectures and advance to exploring the different architecture styles and their implementation in Azure. This book is written from a practitioner's point of view, so you'll discover ideas and practices that have worked successfully in various customer scenarios. By the end of this book, you'll be able to architect, design, deploy, and monetize your API solutions in the Azure cloud while implementing best practices and industry standards. What you will learnExplore the benefits of API-led architecture in an enterpriseBuild highly reliable and resilient, cloud-based, API-centric solutionsPlan technical initiatives based on Well-Architected Framework principlesGet to grips with the productization and management of your API assets for value creationDesign high-scale enterprise integration platforms on the Azure cloudStudy the important principles and practices that apply to cloud-based API architecturesWho this book is for This book is for solution architects, developers, engineers, DevOps professionals, and IT decision-makers who are responsible for designing and developing large distributed systems. Familiarity with enterprise solution architectures and cloud-based design will help you to comprehend the concepts covered in the book easily. A practical, nuts-and-bolts guide to architectural solutions that describes step-by-step how to design robustness and flexibility into an Internet-based system Based on real-world problems and systems, and illustrated with a running case study Enables software architects and project managers to ensure that nonfunctional requirements are met so that the system won't fall over, that it can be maintained and upgraded without being switched off, and that it can deal with security, scalability, and performance demands Platform and vendor independence will empower architects to challenge product-dictated limitations

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