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KEY=SOLUTIONS - ERICK DONNA

CLOUD ENTERPRISE ARCHITECTURE

CRC Press Cloud Enterprise Architecture examines enterprise architecture (EA) in the context of the surging popularity of Cloud computing. It explains the different kinds of desired transformations the architectural blocks of EA undergo in light of this strategically significant convergence. Chapters cover each of the contributing architectures of EA-business, information, application, integration, security, and technology-illustrating the current and impending implications of the Cloud on each. Discussing the implications of the Cloud paradigm on EA, the book details the perceptible and positive changes that will affect EA design, governance, strategy, management, and sustenance. The author ties these topics together with chapters on Cloud integration and composition architecture. He also examines the Enterprise Cloud, Federated Clouds, and the vision to establish the InterCloud. Laying out a comprehensive strategy for planning and executing Cloud-inspired transformations, the book: Explains how the Cloud changes and affects enterprise architecture design, governance, strategy, management, and sustenance Presents helpful information on next-generation Cloud computing Describes additional architectural types such as enterprise-scale integration, security, management, and governance architectures This book is an ideal resource for enterprise architects, Cloud evangelists and enthusiasts, and Cloud application and service architects. Cloud center administrators, Cloud business executives, managers, and analysts will also find the book helpful and inspirational while formulating appropriate mechanisms and schemes for sound modernization and migration of traditional applications to

Cloud infrastructures and platforms.

CLLOUD SERVICES, NETWORKING, AND MANAGEMENT

John Wiley & Sons Cloud Services, Networking and Management provides a comprehensive overview of the cloud infrastructure and services, as well as their underlying management mechanisms, including data center virtualization and networking, cloud security and reliability, big data analytics, scientific and commercial applications. Special features of the book include: State-of-the-art content Self-contained chapters for readers with specific interests Includes commercial applications on Cloud (video services and games)

IBM CLOUD PRIVATE APPLICATION DEVELOPER'S GUIDE

IBM Redbooks IBM® Cloud Private is an application platform for developing and managing containerized applications across hybrid cloud environments, on-premises and public clouds. It is an integrated environment for managing containers that includes the container orchestrator Kubernetes, a private image registry, a management console, and monitoring frameworks. This IBM Redbooks® publication covers tasks that are performed by IBM Cloud™ Private application developers, such as deploying applications, application packaging with helm, application automation with DevOps, using Microclimate, and managing your service mesh with Istio. The authors team has many years of experience in implementing IBM Cloud Private and other cloud solutions in production environments. Throughout this book, we used the approach of providing you the recommended practices in those areas. As part of this project, we also developed several code examples, which can be downloaded from the Redbooks GitHub web page. If you are an IBM Cloud Private application developer, this book is for you. If you are an IBM Cloud Private systems administrator, you can see the IBM Redbooks publication IBM Private Cloud Systems Administrator's Guide, SG248440.

CLLOUD COMPUTING

AUTOMATING THE VIRTUALIZED DATA CENTER

Cisco Press The complete guide to provisioning and managing cloud-based Infrastructure as a Service (IaaS) data center solutions Cloud computing will revolutionize the way IT resources are deployed, configured, and managed for years to come. Service providers and customers each stand to realize tremendous value from this paradigm shift--if they can take advantage of it. Cloud Computing brings together the realistic, start-to-finish guidance they need to plan, implement, and manage cloud solution architectures for tomorrow's virtualized data centers. It introduces cloud "newcomers" to essential concepts, and offers experienced operations professionals detailed guidance on delivering Infrastructure as a Service (IaaS), Platform as a Service (PaaS), and Software as a Service (SaaS). This book's replicable solutions and fully-tested best practices will help enterprises, service providers, consultants, and Cisco partners meet the challenge of provisioning end-to-end cloud infrastructures. Drawing on extensive experience working with leading

cloud vendors and integrators, the authors present detailed operations workflow examples, proven techniques for operating cloud-based network, compute, and storage infrastructure; a comprehensive management reference architecture; and a complete case study demonstrating rapid, lower-cost solutions design. Cloud Computing will be an indispensable resource for all network/IT professionals and managers involved with planning, implementing, or managing the next generation of cloud computing services. Venkata (Josh) Josyula, Ph.D., CCIE® No. 13518 is a Distinguished Services Engineer in Cisco Services Technology Group (CSTG) and advises Cisco customers on OSS/BSS architecture and solutions. Malcolm Orr, Solutions Architect for Cisco's Services Technology Solutions, advises telecoms and enterprise clients on architecting, building, and operating OSS/BSS and cloud management stacks. He is Cisco's lead architect for several Tier 1 public cloud projects. Greg Page has spent the last eleven years with Cisco in technical consulting roles relating to data center architecture/technology and service provider security. He is now exclusively focused on developing cloud/IaaS solutions with service providers and systems integrator partners.

- Review the key concepts needed to successfully deploy clouds and cloud-based services
- Transition common enterprise design patterns and use cases to the cloud
- Master architectural principles and infrastructure designs for "real-time" managed IT services
- Understand the Cisco approach to cloud-related technologies, systems, and services
- Develop a cloud management architecture using ITIL, TMF, and ITU-TMN standards
- Implement best practices for cloud service provisioning, activation, and management
- Automate cloud infrastructure to simplify service delivery, monitoring, and assurance
- Choose and implement the right billing/chargeback approaches for your business
- Design and build IaaS services, from start to finish
- Manage the unique capacity challenges associated with sporadic, real-time demand
- Provide a consistent and optimal cloud user experience

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. Category: Cloud Computing Covers: Virtualized Data Centers

ADVANCES IN PRODUCTION MANAGEMENT SYSTEMS: INNOVATIVE PRODUCTION MANAGEMENT TOWARDS SUSTAINABLE GROWTH

IFIP WG 5.7 INTERNATIONAL CONFERENCE, APMS 2015, TOKYO, JAPAN, SEPTEMBER 7-9, 2015, PROCEEDINGS, PART I

Springer The two volumes IFIP AICT 459 and 460 constitute the refereed proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2015, held in Tokyo, Japan, in September 2015. The 163 revised full papers were carefully reviewed and selected from 185 submissions. They are organized in the following topical sections: collaborative networks; globalization and production management; knowledge based production management; project management, engineering management, and quality management; sustainability and production management; co-creating sustainable business processes and ecosystems; open cloud computing architecture for smart manufacturing and cyber physical production systems; the practitioner's view on

"innovative production management towards sustainable growth"; the role of additive manufacturing in value chain reconfiguration and sustainability; operations management in engineer-to-order manufacturing; lean production; sustainable system design for green products; cloud-based manufacturing; ontology-aided production - towards open and knowledge-driven planning and control; product-service lifecycle management; knowledge-driven innovation and social implications; and service engineering.

CATALOGING UNSTRUCTURED DATA IN IBM WATSON KNOWLEDGE CATALOG WITH IBM SPECTRUM DISCOVER

IBM Redbooks This IBM® Redpaper publication explains how IBM Spectrum® Discover integrates with the IBM Watson® Knowledge Catalog (WKC) component of IBM Cloud® Pak for Data (IBM CP4D) to make the enriched catalog content in IBM Spectrum Discover along with the associated data available in WKC and IBM CP4D. From an end-to-end IBM solution point of view, IBM CP4D and WKC provide state-of-the-art data governance, collaboration, and artificial intelligence (AI) and analytics tools, and IBM Spectrum Discover complements these features by adding support for unstructured data on large-scale file and object storage systems on premises and in the cloud. Many organizations face challenges to manage unstructured data. Some challenges that companies face include: Pinpointing and activating relevant data for large-scale analytics, machine learning (ML) and deep learning (DL) workloads. Lacking the fine-grained visibility that is needed to map data to business priorities. Removing redundant, obsolete, and trivial (ROT) data and identifying data that can be moved to a lower-cost storage tier. Identifying and classifying sensitive data as it relates to various compliance mandates, such as the General Data Privacy Regulation (GDPR), Payment Card Industry Data Security Standards (PCI-DSS), and the Health Information Portability and Accountability Act (HIPAA). This paper describes how IBM Spectrum Discover provides seamless integration of data in IBM Storage with IBM Watson Knowledge Catalog (WKC). Features include: Event-based cataloging and tagging of unstructured data across the enterprise. Automatically inspecting and classifying over 1000 unstructured data types, including genomics and imaging specific file formats. Automatically registering assets with WKC based on IBM Spectrum Discover search and filter criteria, and by using assets in IBM CP4D. Enforcing data governance policies in WKC in IBM CP4D based on insights from IBM Spectrum Discover, and using assets in IBM CP4D. Several in-depth use cases are used that show examples of healthcare, life sciences, and financial services. IBM Spectrum Discover integration with WKC enables storage administrators, data stewards, and data scientists to efficiently manage, classify, and gain insights from massive amounts of data. The integration improves storage economics, helps mitigate risk, and accelerates large-scale analytics to create competitive advantage and speed critical research.

SECURITY SOLUTIONS FOR HYPERCONNECTIVITY AND THE INTERNET OF THINGS

IGI Global The Internet of Things describes a world in which smart technologies

enable objects with a network to communicate with each other and interface with humans effortlessly. This connected world of convenience and technology does not come without its drawbacks, as interconnectivity implies hackability. Security Solutions for Hyperconnectivity and the Internet of Things offers insights from cutting-edge research about the strategies and techniques that can be implemented to protect against cyber-attacks. Calling for revolutionary protection strategies to reassess security, this book is an essential resource for programmers, engineers, business professionals, researchers, and advanced students in relevant fields.

ADAPTIVE HEALTH MANAGEMENT INFORMATION SYSTEMS: CONCEPTS, CASES, AND PRACTICAL APPLICATIONS

CONCEPTS, CASES, AND PRACTICAL APPLICATIONS

Jones & Bartlett Learning *Adaptive Health Management Information Systems, Fourth Edition* is a thorough resource for a broad range of healthcare professionals—from informaticians, physicians and nurses, to pharmacists, public health and allied health professionals—who need to keep pace the digital transformation of health care. Wholly revised, updated, and expanded in scope, the fourth edition covers the latest developments in the field of health management information systems (HMIS) including big data analytics and machine learning in health care; precision medicine; digital health commercialization; supply chain management; informatics for pharmacy and public health; digital health leadership; cybersecurity; and social media analytics.

FROM ACTIVE DATA MANAGEMENT TO EVENT-BASED SYSTEMS AND MORE

PAPERS IN HONOR OF ALEJANDRO BUCHMANN ON THE OCCASION OF HIS 60TH BIRTHDAY

Springer Science & Business Media Dedicated to the vision of Prof. Alejandro Buchmann, this collection of work illuminates various facets of data management and reflects the development of the field from its early association with database systems through to today's wide-ranging applications.

CLOUD INFRASTRUCTURES, SERVICES, AND IOT SYSTEMS FOR SMART CITIES

SECOND EAI INTERNATIONAL CONFERENCE, IISSC 2017 AND CN4IOT 2017, BRINDISI, ITALY, APRIL 20-21, 2017, PROCEEDINGS

Springer This book constitutes the proceedings of the Second International Conference on Cloud, Networking for IoT Systems, CN4IoT 2017, and the Second EAI International Conference on ICT Infrastructures and Services for Smart Cities, IISSC 2017, held in Brindisi, Italy, in April 2017. The 26 full papers of both conferences were selected from 39 submissions. CN4IoT presents research activities on the uniform management and operation related to software defined infrastructures, in

particular by analyzing limits or advantages in solutions for Cloud Networking and IoT. IISCC papers focus on ICT infrastructures (technologies, models, frameworks) and services in cities and smart communities.

INNOVATIVE MANAGEMENT AND FIRM PERFORMANCE

AN INTERDISCIPLINARY APPROACH AND CASES

Springer This book focuses on business firms as catalysts and agents of social and economic change, and explores the argument that sustainable development is the perfect opportunity for businesses to strengthen the evolving notion of corporate social responsibility, while achieving long-term growth through innovation, research and development.

BIG DATA COMPUTING

A GUIDE FOR BUSINESS AND TECHNOLOGY MANAGERS

CRC Press This book unravels the mystery of Big Data computing and its power to transform business operations. The approach it uses will be helpful to any professional who must present a case for realizing Big Data computing solutions or to those who could be involved in a Big Data computing project. It provides a framework that enables business and technical managers to make optimal decisions necessary for the successful migration to Big Data computing environments and applications within their organizations.

CREATING SMART ENTERPRISES

LEVERAGING CLOUD, BIG DATA, WEB, SOCIAL MEDIA, MOBILE AND IOT TECHNOLOGIES

CRC Press "Vivek Kale's *Creating Smart Enterprises* goes smack-dab at the heart of harnessing technology for competing in today's chaotic digital era. Actually, for him, it's SMACT-dab: SMACT (Social media, Mobile, Analytics and big data, Cloud computing, and internet of Things) technologies. This book is required reading for those that want to stay relevant and win, and optional for those that don't." —Peter Fingar, Author of *Cognitive Computing* and business technology consultant *Creating Smart Enterprises* unravels the mystery of social media, mobile, analytics and big data, cloud, and Internet of Things (SMACT) computing and explains how it can transform the operating context of business enterprises. It provides a clear understanding of what SMACT really means, what it can do for smart enterprises, and application areas where it is practical to use them. All IT professionals who are involved with any aspect of a SMACT computing project will profit by using this book as a roadmap to make a more meaningful contribution to the success of their computing initiatives. This pragmatic book: Introduces the VUCA (volatility, uncertainty, complexity, and ambiguity) business ecosystem confronted by the businesses today. Describes the challenges of defining business and IT strategies and of aligning them as well as their impact on enterprise governance. Provides a very wide treatment of the various components of SMACT computing, including the

Internet of Things (IoT) and its constituting technologies like RFID, wireless networks, sensors, and wireless sensor networks (WSNs). This book addresses the key differentiator of SMACT computing environments and solutions that combine the power of an elastic infrastructure with analytics. The SMACT environment is cloud-based and inherently mobile. Information management processes can analyze and discern recurring patterns in colossal pools of operational and transactional data. Analytics, big data, and IoT computing leverage and transform these data patterns to help create successful, smart enterprises.

E-LOGISTICS AND E-SUPPLY CHAIN MANAGEMENT

APPLICATIONS FOR EVOLVING BUSINESS

IGI Global "This book explores the creation of integrated supply chains, the developments of virtual business, and the processes of re-engineering for business development"--Provided by publisher.

RESEARCH ANTHOLOGY ON ARCHITECTURES, FRAMEWORKS, AND INTEGRATION STRATEGIES FOR DISTRIBUTED AND CLOUD COMPUTING

IGI Global Distributed systems intertwine with our everyday lives. The benefits and current shortcomings of the underpinning technologies are experienced by a wide range of people and their smart devices. With the rise of large-scale IoT and similar distributed systems, cloud bursting technologies, and partial outsourcing solutions, private entities are encouraged to increase their efficiency and offer unparalleled availability and reliability to their users. The Research Anthology on Architectures, Frameworks, and Integration Strategies for Distributed and Cloud Computing is a vital reference source that provides valuable insight into current and emergent research occurring within the field of distributed computing. It also presents architectures and service frameworks to achieve highly integrated distributed systems and solutions to integration and efficient management challenges faced by current and future distributed systems. Highlighting a range of topics such as data sharing, wireless sensor networks, and scalability, this multi-volume book is ideally designed for system administrators, integrators, designers, developers, researchers, academicians, and students.

ADVANCES IN INTELLIGENT SYSTEMS AND COMPUTING

SELECTED PAPERS FROM THE INTERNATIONAL CONFERENCE ON COMPUTER SCIENCE AND INFORMATION TECHNOLOGIES, CSIT 2016, SEPTEMBER 6-10 LVIV, UKRAINE

Springer The book reports on new theories and applications in the field of intelligent systems and computing. It covers computational and artificial intelligence methods, as well as advances in computer vision, current issue in big data and cloud computing, computation linguistics, cyber-physical systems as well as topics in intelligent information management. Written by active researchers, the different

chapters are based on contributions presented at the workshop in intelligent systems and computing (ISC), held during CSIT 2016, September 6-9, and jointly organized by the Lviv Polytechnic National University, Ukraine, the Kharkiv National University of Radio Electronics, Ukraine, and the Technical University of Lodz, Poland, under patronage of Ministry of Education and Science of Ukraine. All in all, the book provides academics and professionals with extensive information and a timely snapshot of the field of intelligent systems, and it is expected to foster new discussions and collaborations among different groups.

CYBER PHYSICAL COMPUTING FOR IOT-DRIVEN SERVICES

Springer This book presents the cyber culture of micro, macro, cosmological, and virtual computing. The book shows how these work to formulate, explain, and predict the current processes and phenomena monitoring and controlling technology in the physical and virtual space. The authors posit a basic proposal to transform description of the function truth table and structure adjacency matrix to a qubit vector that focuses on memory-driven computing based on logic parallel operations performance. The authors offer a metric for the measurement of processes and phenomena in a cyberspace, and also the architecture of logic associative computing for decision-making and big data analysis. The book outlines an innovative theory and practice of design, test, simulation, and diagnosis of digital systems based on the use of a qubit coverage-vector to describe the functional components and structures. Authors provide a description of the technology for SoC HDL-model diagnosis, based on Test Assertion Blocks Activated Graph. Examples of cyber-physical systems for digital monitoring and cloud management of social objects and transport are proposed. A presented automaton model of cosmological computing explains the cyclical and harmonious evolution of matter-energy essence, and also a space-time form of the Universe.

MOBILE COMPUTING

TECHNOLOGY AND APPLICATIONS

BoD - Books on Demand Nowadays, mobile communication services are penetrating into our society at an explosive growth rate. Applications in mobile devices offer limitations, restriction, and guidelines on how mobile software can be used in order to simplify the mobile usage. As smart phones and tablets are becoming the daily computing device of choice for young ages, it is expected that mobile applications and services should be as flexible, high quality, and secure as the desktop systems. In this book, latest trends in mobile computing will be discussed. In the first section, cloud computing topics will be discussed widely into four chapters to give information to the reader about topics such as challenges, services, edge computing, and distributed clouds needed to integrate this promising issue into the next generation.

WEB SERVICES: CONCEPTS, METHODOLOGIES, TOOLS, AND

APPLICATIONS

CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

IGI Global Web service technologies are redefining the way that large and small companies are doing business and exchanging information. Due to the critical need for furthering automation, engagement, and efficiency, systems and workflows are becoming increasingly more web-based. *Web Services: Concepts, Methodologies, Tools, and Applications* is an innovative reference source that examines relevant theoretical frameworks, current practice guidelines, industry standards and standardization, and the latest empirical research findings in web services. Highlighting a range of topics such as cloud computing, quality of service, and semantic web, this multi-volume book is designed for computer engineers, IT specialists, software designers, professionals, researchers, and upper-level students interested in web services architecture, frameworks, and security.

USING CROSS-LAYER TECHNIQUES FOR COMMUNICATION SYSTEMS

IGI Global Although the existing layering infrastructure--used globally for designing computers, data networks, and intelligent distributed systems and which connects various local and global communication services--is conceptually correct and pedagogically elegant, it is now well over 30 years old has started create a serious bottleneck. *Using Cross-Layer Techniques for Communication Systems: Techniques and Applications* explores how cross-layer methods provide ways to escape from the current communications model and overcome the challenges imposed by restrictive boundaries between layers. Written exclusively by well-established researchers, experts, and professional engineers, the book will present basic concepts, address different approaches for solving the cross-layer problem, investigate recent developments in cross-layer problems and solutions, and present the latest applications of the cross-layer in a variety of systems and networks.

WEB-BASED SERVICES: CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

CONCEPTS, METHODOLOGIES, TOOLS, AND APPLICATIONS

IGI Global The recent explosion of digital media, online networking, and e-commerce has generated great new opportunities for those Internet-savvy individuals who see potential in new technologies and can turn those possibilities into reality. It is vital for such forward-thinking innovators to stay abreast of all the latest technologies. *Web-Based Services: Concepts, Methodologies, Tools, and Applications* provides readers with comprehensive coverage of some of the latest tools and technologies in the digital industry. The chapters in this multi-volume book describe a diverse range of applications and methodologies made possible in a world connected by the global network, providing researchers, computer scientists, web developers, and digital experts with the latest knowledge and developments in Internet technologies.

SECURITY, TRUST, AND REGULATORY ASPECTS OF CLOUD COMPUTING IN BUSINESS ENVIRONMENTS

IGI Global Emerging as an effective alternative to organization-based information systems, cloud computing has been adopted by many businesses around the world. Despite the increased popularity, there remain concerns about the security of data in the cloud since users have become accustomed to having control over their hardware and software. *Security, Trust, and Regulatory Aspects of Cloud Computing in Business Environments* compiles the research and views of cloud computing from various individuals around the world. Detailing cloud security, regulatory and industry compliance, and trust building in the cloud, this book is an essential reference source for practitioners, professionals, and researchers worldwide, as well as business managers interested in an assembled collection of solutions provided by a variety of cloud users.

MASTERING CLOUD COMPUTING

FOUNDATIONS AND APPLICATIONS PROGRAMMING

Newnes *Mastering Cloud Computing* is designed for undergraduate students learning to develop cloud computing applications. Tomorrow's applications won't live on a single computer but will be deployed from and reside on a virtual server, accessible anywhere, any time. Tomorrow's application developers need to understand the requirements of building apps for these virtual systems, including concurrent programming, high-performance computing, and data-intensive systems. The book introduces the principles of distributed and parallel computing underlying cloud architectures and specifically focuses on virtualization, thread programming, task programming, and map-reduce programming. There are examples demonstrating all of these and more, with exercises and labs throughout. Explains how to make design choices and tradeoffs to consider when building applications to run in a virtual cloud environment Real-world case studies include scientific, business, and energy-efficiency considerations

PRINCIPLES, METHODOLOGIES, AND SERVICE-ORIENTED APPROACHES FOR CLOUD COMPUTING

IGI Global Innovations in cloud and service-oriented architectures continue to attract attention by offering interesting opportunities for research in scientific communities. Although advancements such as computational power, storage, networking, and infrastructure have aided in making major progress in the implementation and realization of cloud-based systems, there are still significant concerns that need to be taken into account. *Principles, Methodologies, and Service-Oriented Approaches for Cloud Computing* aims to present insight into Cloud principles, examine associated methods and technologies, and investigate the use of service-oriented computing technologies. In addressing supporting infrastructure of the Cloud, including associated challenges and pressing issues, this reference source aims to present researchers, engineers, and IT professionals with various approaches in Cloud computing.

SECURITY, PRIVACY, TRUST, AND RESOURCE MANAGEMENT IN MOBILE AND WIRELESS COMMUNICATIONS

IGI Global "This book examines the current scope of theoretical and practical applications on the security of mobile and wireless communications, covering fundamental concepts of current issues, challenges, and solutions in wireless and mobile networks"--Provided by publisher.

OPERATIONALIZING MULTI-CLOUD ENVIRONMENTS

TECHNOLOGIES, TOOLS AND USE CASES

Springer Nature This book discusses various aspects of the multi-cloud paradigm. The initial portion of the book focuses on the motivations for the industry to embrace a multi-cloud option and the distinct business, technology, and user cases of multi-cloud implementations. The middle part of the book explains the challenges of setting up and sustaining multi-cloud environments. The latter portion focuses on the next-generation technologies and tools along with multi-cloud platforms, processes, patterns, and practices. The final segment of the book is dedicated for cloud brokerage systems. The various traits and tenets of cloud brokerage services especially for accomplishing cloud intermediation, integration, orchestration, governance, security, management, configuration, etc. are explained in detail. The book also clearly articulates how to have intelligent brokers.

COMPENDIUM ON ENTERPRISE RESOURCE PLANNING

MARKET, FUNCTIONAL AND CONCEPTUAL VIEW BASED ON SAP S/4HANA

Springer Nature This book explains the functional scope, the data model, the solution architecture, the underlying engineering concepts, and the programming model of SAP S/4HANA as the most well-known enterprise resource planning (ERP) system. The approach is to start with general concepts and then to proceed step-by-step to concrete implementations in SAP S/4HANA. In the first part the reader learns about the market view of ERP solutions and vendors. The second part deals with the business processes for sales, marketing, finance, supply chain, manufacturing, services, procurement, and human resources which are covered with SAP S/4HANA. In the third part the underlying concepts of SAP S/4HANA are described, for example in-memory storage, analytics and search, artificial intelligence, process and data integration, security and compliance, lifecycle management, performance and scalability, configuration and implementation. The book is concluded with a final chapter explaining how to deploy an appliance to explore SAP S/4HANA. The target audience for the book are managers and business analysts who want to understand the market situation and future ERP trends, end users and process experts who need to comprehend the business processes and the according solution capabilities provided with SAP S/4HANA, architects and developers who have to learn the technical concepts and frameworks for enhancing SAP S/4HANA functionality, and consultants and partners who require to adopt and configure SAP S/4HANA.

CLLOUD NATIVE APPLICATIONS WITH BALLERINA

A GUIDE FOR PROGRAMMERS INTERESTED IN DEVELOPING CLOUD NATIVE APPLICATIONS USING BALLERINA SWAN LAKE

Packt Publishing Ltd Learn how to build scalable cloud native applications with the new-generation Ballerina language using expert tips and best practices Key Features Work with code samples based on the Ballerina Swan Lake Beta1 version Explore the in-built networking protocol support in Ballerina to develop secure distributed apps Build a Ballerina app with an automated CI/CD pipeline with observability to simplify maintenance and deployment Book Description The Ballerina programming language was created by WSO2 for the modern needs of developers where cloud native development techniques have become ubiquitous. Ballerina simplifies how programmers develop and deploy cloud native distributed apps and microservices. Cloud Native Applications with Ballerina will guide you through Ballerina essentials, including variables, types, functions, flow control, security, and more. You'll explore networking as an in-built feature in Ballerina, which makes it a first-class language for distributed computing. With this app development book, you'll learn about different networking protocols as well as different architectural patterns that you can use to implement services on the cloud. As you advance, you'll explore multiple design patterns used in microservice architecture and use serverless in Amazon Web Services (AWS) and Microsoft Azure platforms. You will also get to grips with Docker, Kubernetes, and serverless platforms to simplify maintenance and the deployment process. Later, you'll focus on the Ballerina testing framework along with deployment tools and monitoring tools to build fully automated observable cloud applications. By the end of this book, you will have learned how to apply the Ballerina language for building scalable, resilient, secured, and easy-to-maintain cloud native Ballerina projects and applications. What you will learn Understand the concepts and models in cloud native architecture Get to grips with the high-level concepts of building applications with the Ballerina language Use cloud native architectural design patterns to develop cloud native Ballerina applications Discover how to automate, maintain, and observe cloud native Ballerina applications Use a container to deploy and maintain a Ballerina application with Docker and Kubernetes Explore serverless architecture and use Microsoft Azure and the AWS platform to build serverless applications Who this book is for This Ballerina Swan Lake book is for cloud developers, integration developers, and microservices developers who are facing challenges with legacy tooling and are looking for the latest tools and technologies to solve them. Beginner-level programming knowledge is required before getting started with this Ballerina book.

SALESFORCE B2C SOLUTION ARCHITECT'S HANDBOOK

DESIGN SCALABLE AND COHESIVE BUSINESS-TO-CONSUMER EXPERIENCES WITH SALESFORCE CUSTOMER 360

Packt Publishing Ltd The ultimate handbook for new and seasoned Salesforce B2C Solution Architects who want to design seamless B2C solutions across the Salesforce

Customer 360 ecosystem – including B2C Commerce, Service Cloud, and Marketing Cloud Key Features Give your customers a frictionless experience by creating a unified view of all their interactions Get your architectural design right the first time and avoid costly reworks Prepare for the B2C Solution Architect exam and Salesforce certification with practical scenarios following Salesforce best practices Book Description There's a huge demand on the market for Salesforce professionals who can create a single view of the customer across the Salesforce Customer 360 platform and leverage data into actionable insights. With Salesforce B2C Solution Architect's Handbook, you'll gain a deeper understanding of the integration options and products that help you deliver value for organizations. While this book will help you prepare for the B2C Solution Architect exam, its true value lies in setting you up for success afterwards. The first few chapters will help you develop a solid understanding of the capabilities of each component in the Customer 360 ecosystem, their data models, and governance. As you progress, you'll explore the role of a B2C solution architect in planning critical requirements and implementation sequences to avoid costly reworks and unnecessary delays. You'll learn about the available options for integrating products with the Salesforce ecosystem and demonstrate best practices for data modeling across Salesforce products and beyond. Once you've mastered the core knowledge, you'll also learn about tools, techniques, and certification scenarios in preparation for the B2C Solution Architect exam. By the end of this book, you'll have the skills to design scalable, secure, and future-proof solutions supporting critical business demands. What you will learn Explore key Customer 360 products and their integration options Choose the optimum integration architecture to unify data and experiences Architect a single view of the customer to support service, marketing, and commerce Plan for critical requirements, design decisions, and implementation sequences to avoid sub-optimal solutions Integrate Customer 360 solutions into a single-source-of-truth solution such as a master data model Support business needs that require functionality from more than one component by orchestrating data and user flows Who this book is for This book is for professionals in high-level job roles that heavily rely on Salesforce proficiency. It's primarily written for B2C commerce architects, application architects, integration architects, as well as system architects, enterprise architects, Salesforce architects, and CTO teams looking to benefit from a deeper understanding of this platform. Before you get started, you'll need a solid understanding of data integration, APIs, and connected systems, along with knowledge of the fundamentals of business-to-consumer (B2C) customer experiences.

THE FUTURE INTERNET

FUTURE INTERNET ASSEMBLY 2013: VALIDATED RESULTS AND NEW HORIZONS

Springer Co-editors of the volume are: Federico Álvarez, Alessandro Bassi, Michele Bezzi, Laurent Ciavaglia, Frances Cleary, Petros Daras, Hermann De Meer, Panagiotis Demestichas, John Domingue, Theo G. Kanter, Stamatis Karnouskos, Srdjan Krčo, Laurent Lefevre, Jasper Lentjes, Man-Sze Li, Paul Malone, Antonio Manzalini, Volkmar Lotz, Henning Müller, Karsten Oberle, Noel E. O'Connor, Nick Papanikolaou, Dana

Petcu, Rahim Rahmani, Danny Raz, Gaël Richards, Elio Salvadori, Susana Sargento, Hans Schaffers, Joan Serrat, Burkhard Stiller, Antonio F. Skarmeta, Kurt Tutschku, Theodore Zahariadis The Internet is the most vital scientific, technical, economic and societal set of infrastructures in existence and in operation today serving 2.5 billion users. Continuing its developments would secure much of the upcoming innovation and prosperity and it would underpin the sustainable growth in economic values and volumes needed in the future. Future Internet infrastructures research is therefore a must. The Future Internet Assembly (FIA) is a successful conference that brings together participants of over 150 research projects from several distinct yet interrelated areas in the European Union Framework Programme 7 (FP7). The research projects are grouped as follows: the network of the future as infrastructure connecting and orchestrating the future Internet of people, computers, devices, content, clouds and things; cloud computing, Internet of Services and advanced software engineering; the public-private partnership projects on Future Internet; Future Internet Research and Experimentation (FIRE). The 26 full papers included in this volume were selected from 45 submissions. They are organized in topical sections named: software driven networks, virtualization, programmability and autonomic management; computing and networking clouds; internet of things; and enabling technologies and economic incentives.

HANDBOOK OF RESEARCH ON INTRAPRENEURSHIP AND ORGANIZATIONAL SUSTAINABILITY IN SMES

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ALGORITHMS AND ARCHITECTURES FOR PARALLEL PROCESSING

10TH INTERNATIONAL CONFERENCE, ICA3PP 2010, BUSAN, KOREA, MAY 21-23, 2010. PROCEEDINGS

Springer Science & Business Media This book constitutes the proceedings of the 10th International Conference on Algorithms and Architectures for Parallel Processing, ICA3PP. The 47 papers were carefully selected from 157 submissions and focus on topics for researchers and industry practitioners to exchange information regarding advancements in the state of art and practice of IT-driven services and applications, as well as to identify emerging research topics and define the future directions of parallel processing.

HANDBOOK OF RESEARCH ON END-TO-END CLOUD COMPUTING ARCHITECTURE DESIGN

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FOUNDATIONS AND FRONTIERS IN COMPUTER, COMMUNICATION AND ELECTRICAL ENGINEERING

PROCEEDINGS OF THE 3RD INTERNATIONAL CONFERENCE C2E2, MANKUNDU, WEST BENGAL, INDIA, 15TH-16TH JANUARY, 2016.

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SOFTWARE REUSE IN THE EMERGING CLOUD COMPUTING ERA

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