

## Reference Architecture Deployment Guide Sap Hana Solution

### **Practical Guide to SAP HANA and Big Data AnalyticsEspresso Tutorials GmbH**

**Throughout the world, high-profile large organizations (aerospace and defense, automotive, banking, chemicals, financial service providers, healthcare, high tech, insurance, oil and gas, pharmaceuticals, retail, telecommunications, and utilities) and governments are using SAP software to process their most mission-critical, highly sensitive data. With more than 100,000 installations, SAP is the world's largest enterprise software company and the world's third largest independent software supplier overall. Despite this widespread use, there have been very few books written on SAP implementation and security, despite a great deal of interest. (There are 220,000 members in an on-line SAP 'community' seeking information, ideas and tools on the IT Toolbox Website alone.) Managing SAP user authentication and authorizations is becoming more complex than ever, as there are more and more SAP products involved that have very different access issues. It's a complex area that requires focused expertise. This book is designed for these network and systems administrator who deal with the complexity of having to make judgmental decisions regarding enormously complicated and technical data in the SAP landscape, as well as pay attention to new compliance rules and security regulations. Most SAP users experience significant challenges when trying to manage and mitigate the risks in existing or new security solutions and usually end up facing repetitive, expensive re-work and perpetuated compliance challenges. This book is designed to help them properly and efficiently manage these challenges on an ongoing basis. It aims to remove the 'Black Box' mystique that surrounds SAP security. \* The most comprehensive coverage of the essentials of SAP security currently available: risk and control management, identity and access management, data protection and privacy, corporate governance, legal and regulatory compliance. \* This book contains information about SAP security that is not available anywhere else to help the reader avoid the "gotchas" that may leave them vulnerable during times of upgrade or other system changes \*Companion Web site provides custom SAP scripts, which readers can download to install, configure and troubleshoot SAP.**

**Third Edition: Thoroughly Updated and Expanded, with Extensive New Coverage! In just 24 sessions of one hour or less, you'll master the entire SAP project lifecycle, from planning through implementation and system administration through day-to-day operations. Using this book's straightforward, step-by-step approach, you'll gain a strong real-world foundation in both the technology and business essentials of today's SAP products and applications—from the ground up. Step-by-step instructions walk you through the most common questions, issues, and tasks you'll encounter with SAP. Case study-based exercises help you build and test your knowledge. By the Way notes present interesting pieces of information. Did You Know? tips offer advice or teach an easier way. Watch Out! cautions warn about potential problems. Learn how to... Understand SAP's newest products for enterprises and small-to-midsize businesses, and choose the right solutions for your company Discover how SAP integrates with Web services and service-oriented architecture Develop an efficient roadmap for deploying SAP in your environment Plan your SAP implementation from business, functional, technical, and project management perspectives Leverage NetWeaver 7.0 features to streamline development and integration, and reduce cost Walk through a step-by-step SAP technical installation Master basic SAP system administration and operations Perform essential tasks such as logon, session management, and printing Build SAP queries and reports Prepare for SAP upgrades and enhancements Develop your own personal career as an SAP professional Register your book at [informit.com/title/9780137142842](http://informit.com/title/9780137142842) for convenient access to updates and corrections as they become available.**

**In this book written for SAP BI, big data, and IT architects, the authors expertly provide clear recommendations for building modern analytics architectures running on SAP HANA technologies. Explore integration with big data frameworks and predictive analytics components. Obtain the tools you need to assess possible architecture scenarios and get guidelines for choosing the best option for your organization. Know your options for on-premise, in the cloud, and hybrid solutions. Readers will be guided through SAP BW/4HANA and SAP HANA native data warehouse scenarios, as well as field-tested integration options with big data platforms. Explore migration options and architecture best practices. Consider organizational and procedural changes resulting from the move to a new, up-to-date analytics architecture that supports your data-driven or data-informed organization. By using practical examples, tips, and screenshots, this book explores: - SAP HANA and SAP BW/4HANA architecture concepts - Predictive Analytics and Big Data component integration - Recommendations for a sustainable, future-proof analytics solutions - Organizational impact and change management**

**SAP S/4HANA is here, and the stakes are high. Get your project right with this guide to SAP Activate! Understand the road ahead: What are the phases of SAP Activate? Which activities happen when? Start by setting up a working system, then walk through guided configuration, and learn how to deploy SAP S/4HANA in your landscape: on-premise, cloud, or hybrid. Take advantage of SAP Activate's agile methodology, and get the guidance you need for a smooth and successful go-live! In this book, you'll learn about: a. Foundations Get up to speed with SAP Activate. Learn about key concepts like fit-to-standard and fit/gap analysis, understand the methodology, and walk through the key phases of project management. b. Tools and Technologies Open up your SAP Activate toolkit. See how to access SAP Activate content with SAP Best Practices Explorer, SAP Solution Manager, and more. Then, use SAP Best Practices and SAP Model Company to set up a working system for your workshops. c. Deployment Deploy SAP S/4HANA, step by step. Follow detailed instructions to plan, prepare for, and execute your on-premise or cloud deployment activities according to SAP Activate. Walk through key scenarios for a hybrid implementation of SAP S/4HANA in your landscape. Highlights Include: 1) Deployment 2) Guided configuration 3) Agile project delivery 4) SAP Best Practices 5) SAP Model Company 6) Organizational change management 7) SAP S/4HANA 8) SAP S/4HANA Cloud 9) Hybrid landscapes 10) C\_ACTIVATION certification**

#### **IBM Software for SAP Solutions**

#### **The Complete Guide**

#### **Research Anthology on Big Data Analytics, Architectures, and Applications**

#### **High-Performance Computing and Big Data Analysis**

#### **Sams Teach Yourself SAP in 24 Hours**

#### **Enterprise Soa**

#### **SAP® NetWeaver Portal Technology: The Complete Reference**

**Society is now completely driven by data with many industries relying on data to conduct business or basic functions within the organization. With the efficiencies that big data bring to all institutions, data is continuously being collected and analyzed. However, data sets may be too complex for traditional data-processing, and therefore, different strategies must evolve to solve the issue. The field of big data works as a valuable tool for many different industries. The Research Anthology on Big Data Analytics, Architectures, and Applications is a complete reference source on big data analytics that offers the latest, innovative architectures and frameworks and explores a variety of applications within various industries. Offering an international perspective, the applications discussed within this anthology feature global representation. Covering topics such as advertising curricula, driven supply chain, and smart cities, this research anthology is ideal for data scientists, data analysts, computer engineers, software engineers, technologists, government officials, managers, CEOs, professors, graduate students, researchers, and academicians.**

**This book constitutes the thoroughly refereed proceedings of the 5th International Conference on Subject-Oriented Business Process Management, S-BPM ONE 2013, held in Deggendorf, Germany, in March 2013. The papers are organized in topical sections on running concepts; running business process management types; running applications; running ideas; running solutions; running projects.**

**This book covers a practical approach for adopting and migrating on premises systems and applications to the Public Cloud. Based on a clear migration master plan, it helps companies and enterprises to be prepared for Cloud computing, what and how to successfully migrate or deploy systems on Cloud, preparing your IT organization with a sound Cloud Governance model, Security in the Cloud and how to reach the benefits of Cloud computing by automation and optimizing your cost and workloads.**

**AI, Edge, and IoT Smart Agriculture integrates applications of IoT, edge computing, and data analytics for sustainable agricultural development and introduces Edge of Thing-based data analytics and IoT for predictability of crop, soil, and plant disease occurrence for improved sustainability and increased profitability. The book also addresses precision irrigation, precision horticulture, greenhouse IoT, livestock monitoring, IoT ecosystem for agriculture, mobile robot for precision agriculture, energy monitoring, storage management, and smart farming. The book provides an overarching focus on sustainable environment and sustainable economic development through smart and e-agriculture. Providing a medium for the exchange of expertise and inspiration, contributions from both smart agriculture and data mining researchers around the world provide foundational insights. The book provides practical application opportunities for the resolution of real-world problems, including contributions from the data mining, data analytics, Edge of Things, and cloud research communities working in the farming production sector. The book offers broad coverage of the concepts, themes, and instruments of this important and evolving area of IOT-based agriculture, Edge of Things and cloud-based farming, Greenhouse IOT, mobile agriculture, sustainable agriculture, and big data analytics in agriculture toward smart farming. Integrates sustainable agriculture, Greenhouse IOT, precision agriculture, crops monitoring, crops controlling to prediction, livestock monitoring, and farm management Presents data mining techniques for precision agriculture, including weather prediction, plant disease prediction, and decision support for crop and soil selection Promotes the importance and uses in managing the agro ecosystem for food security Emphasizes low energy usage options for low cost and environmental sustainability**

**The Only Complete Technical Primer for MDM Planners, Architects, and Implementers Companies moving toward flexible SOA architectures often face difficult information management and integration challenges. The master data they rely on is often stored and managed in ways that are redundant, inconsistent, inaccessible, non-standardized, and poorly governed. Using Master Data Management (MDM), organizations can regain control of their master data, improve corresponding business processes, and maximize its value in SOA environments. Enterprise Master Data Management provides an authoritative, vendor-independent MDM technical reference for practitioners: architects, technical analysts, consultants, solution designers, and senior IT decisionmakers. Written by the IBM® data management innovators who are pioneering MDM, this book systematically introduces MDM's key concepts and technical themes, explains its business case, and illuminates how it interrelates with and enables SOA. Drawing on their experience with cutting-edge projects, the authors introduce MDM patterns, blueprints, solutions, and best practices published nowhere else—everything you need to establish a consistent, manageable set of master data, and use it for competitive advantage. Coverage includes How MDM and SOA complement each other Using the MDM Reference Architecture to position and design MDM solutions within an enterprise Assessing the value and risks to master data and applying the right security controls Using PIM-MDM and CDI-MDM Solution Blueprints to address industry-specific information management challenges Explaining MDM patterns as enablers to accelerate consistent MDM deployments Incorporating MDM solutions into existing IT landscapes via MDM Integration Blueprints Leveraging master data as an enterprise asset—bringing people, processes, and technology together with MDM and data governance Best practices in MDM deployment, including data warehouse and SAP integration**

#### **The Future Internet**

#### **S-BPM ONE - Running Processes**

#### **An Introduction**

#### **Essentials of Cloud Computing**

### **Encyclopedia of Information Science and Technology, Fourth Edition**

#### **Engineering Assets and Public Infrastructures in the Age of Digitalization**

**This book constitutes the proceedings of the 22nd International Conference on Tools and Algorithms for the Construction and Analysis of Systems, TACAS 2016, which took place in Eindhoven, The Netherlands, in April 2016, held as Part of the European Joint Conferences on Theory and Practice of Software, ETAPS 2016. The 44 full papers presented in this volume were carefully reviewed and selected from 175 submissions. They were organized in topical sections named: abstraction and verification; probabilistic and stochastic systems; synthesis; tool papers; concurrency; tool demos; languages and automata; security; optimization; and competition on software verification - SV-COMP.**

**"By delivering SAP's next-generation applications based on a Services-Oriented Architecture, SAP is at the forefront of making Web services work for the enterprise. The Enterprise Services Architecture enables unprecedented flexibility in business process deployment, allowing companies to execute and innovate end-to-end processes across departments and companies, with minimum disruption to other systems and existing IT investments. This strategy comes to life with SAP NetWeaver, which is the technological foundation of the Enterprise Services Architecture. It provides easy integration of people, information, and systems in heterogeneous IT environments and provides a future proof application platform. Enterprise SOA provides readers with the architectural blueprints and SOA-driven project management strategies that are required to successfully adopt SOA on an enterprise level."--Dr. Peter Graf, SVP Product Marketing, SAP The SOA principles outlined in this book enable enterprises to leverage robust and proven middleware platforms, including CORBA, to build flexible and business-oriented service architectures. The authors also clearly describe the right strategies for using Model Driven Architecture (MDA) to manage SOA Service Repositories in a platform-independent way, enabling enterprises to better address the problem of heterogeneity at many levels. The Object Management Group was created just to address this central problem of integration in the face of constantly changing heterogeneity and platform churn, so I strongly recommend this book for the bookshelf of every enterprise architect and developer.-Richard Mark Soley, Ph. D. chairman and chief executive officer, Object Management Group, Inc. Enterprise SOA provides strategies that help large enterprises to increase the agility of their IT systems-one of the most pressing issues of contemporary IT. Covering both a business and architectural view, these strategies aim to promote the implementation of an IT infrastructure that can serve as a base for the development of truly flexible business processes. This book covers its subject with great profoundness based on real world evidence. It is in the interest of everybody involved with software architecture-particularly for anybody who intends to establish a Service-Oriented Architecture-to read this book.-Dr. Helge Heß, director Business Process Management, IDS Scheer AG " ... The SOA principles described in this book are the foundation on whi ...**

**This guide introduces readers to the fundamentals of cloud computing with SAP technologies and applications and dives deep into SAP S/4HANA Cloud, essentials edition, formerly known as SAP S/4HANA Public Cloud or multitenant edition (MTE). Explore and evaluate SAP S/4HANA deployment models and compare and contrast the similarities and differences between them. Obtain a multi-dimensional understanding of SAP S/4HANA Cloud, essentials edition, including business functionality coverage, landscape and systems, configuration and extensions, release strategy, user experience, and the implementation framework, SAP Activate. Walk through the detailed criteria and arm yourself with the information you need to make a fully informed decision on whether S/4HANA Cloud, essentials edition is the right choice for your organization. - Basics of cloud computing in SAP and SAP Cloud strategy - Analysis of SAP S/4HANA deployment models - DNA of S/4HANA Cloud, essentials edition - SAP S/4HANA Cloud assessment criteria and considerations**

**This IBM® Redbooks® publication helps you with the planning, installation, and configuration of the new IBM Linear Tape File System™ (LTFS) Enterprise Edition (EE) V1.1.1.2 for the IBM TS3310, IBM TS3500, and IBM TS4500 tape libraries. LTFS EE enables the use of LTFS for the policy management of tape as a storage tier in an IBM General Parallel File System (IBM GPFS™) based environment and helps encourage the use of tape as a critical tier in the storage environment. LTFS EE can run any application that is designed for disk files on tape. LTFS EE supports IBM Linear Tape-Open (LTO) Ultrium 6 and 5 tape drives in IBM TS3310, TS3500, and TS4500 tape libraries. IBM TS1140 and IBM TS1150 tape drives are supported in TS3500 and TS4500 tape libraries. LTFS EE can play a major role in reducing the cost of storage for data that does not need the access performance of primary disk. The use of LTFS EE to replace disks with tape in Tier 2 and Tier 3 storage can improve data access over other storage solutions because it improves efficiency and streamlines management for files on tape. LTFS EE simplifies the use of tape by making it transparent to the user and manageable by the administrator under a single infrastructure. This publication is intended for anyone who wants to understand more about LTFS EE planning and implementation. This book is suitable for IBM clients, IBM Business Partners, IBM specialist sales representatives, and technical specialists.**

**This book constitutes the refereed proceedings of the 15th International Conference on Software Architecture, ECSA 2021, held in Sweden, in September 2021. Due to the COVID-19 pandemic, the conference was held virtually. For the Research Track, 11 full papers, presented together with 5 short papers, were carefully reviewed and selected from 58 submissions. The papers are organized in topical sections as follows: architectures for reconfigurable and self-adaptive systems; machine learning for software architecture; architectural knowledge, decisions, and rationale; architecting for quality attributes; architecture-centric source code analysis; and experiences and learnings from industrial case studies.**

**Proceedings of the 13th International Conference on P2P, Parallel, Grid, Cloud and Internet Computing (3PGCIC-2018)**

#### **The Art of Enterprise Information Architecture**

#### **Current Trends in Business Software Development**

#### **Enterprise Process Management Systems**

#### **Enterprise Master Data Management**

#### **Future Business Software**

#### **Handbook on Enterprise Architecture**

**Enter the fast-paced world of SAP HANA 2.0 with this introductory guide. Begin with an exploration of the technological backbone of SAP HANA as a database and platform. Then, step into key SAP HANA user roles and discover core capabilities for administration, application development, advanced analytics, security, data integration, and more. No matter how SAP HANA 2.0 fits into your business, this book is your starting point. In this book, you'll learn about: a. Technology Discover what makes an in-memory database platform. Learn about SAP HANA's journey from version 1.0 to 2.0, take a tour of your technology options, and walk through deployment scenarios and implementation requirements. b. Tools Unpack your SAP HANA toolkit. See essential tools in action, from SAP HANA cockpit and SAP HANA studio, to the SAP HANA Predictive Analytics Library and SAP HANA smart data integration. c. Key Roles Understand how to use SAP HANA as a developer, administrator, data scientist, data center architect, and more. Explore key tasks like backend programming with SQLScript, security setup with roles and authorizations, data integration with the SAP HANA Data Management Suite, and more. Highlights include: 1) Architecture 2) Administration 3) Application development 4) Analytics 5) Security 6) Data integration 7) Data architecture 8) Data center**

**This IBM® Redpaper™ publication addresses topics for architects, brand specialists, distributors, resellers, and anyone developing and implementing SAP HANA on IBM Power Systems™ integration, automation, high availability (HA), and disaster recovery (DR) solutions. This book provides documentation to transfer how-to-skills to the technical teams, and documentation to the sales team. This guide describes how to implement an SAP HANA on IBM Power Systems solution from end to end and includes HA and DR guidelines by using theoretical knowledge, field experience, and sample scenarios. The contents of this book follow the guidelines from SAP regarding HANA installation on IBM Power Systems plus all the preferred practices that are gathered from the experiences of those consultants in hundreds of past HANA installations in customers' environments. This book is a hands-on guide and is targeted at technical staff who want to install SAP HANA on IBM Power Systems, and also use SAP HANA and IBM Power Systems HA solutions. SAP HANA and SUSE screen captures that are used in this publication belong to their respective owners. The residency team showed them in the publication to demonstrate the implementation and integration parts of the solution with IBM Power Systems.**



#### SAP Activate

##### **Move your business data to the cloud**

Are you wondering what SAP Fiori is all about? Dive into SAP's new user interface and gain an understanding of core SAP Fiori concepts and get quickly up to speed SAP Fiori functionality, architecture, prerequisites, and technical components. Walk through key configuration and get examples of what has gone well (and not so well) on real SAP Fiori implementation projects. Take a technical deep dive into the types of Fiori apps including transactional apps, analytics apps, and fact sheets and walk through custom development and enhancements. By using practical examples, tips, and screenshots, the author brings technical and non-technical readers alike up to speed on SAP Fiori. - SAP Fiori fundamentals and core components - Instructions on how to create and enhance an SAP Fiori app - Installation and configuration best practices - Similarities and differences between SAP Fiori and Screen Personas

Cloud computing—accessing computing resources over the Internet—is rapidly changing the landscape of information technology. Its primary benefits compared to on-premise computing models are reduced costs and increased agility and scalability. Hence, cloud computing is receiving considerable interest among several stakeholders—businesses, the IT industry, application developers, researchers, and students. To successfully embrace this new computing model, these stakeholders need to acquire new cloud computing skills and knowledge. This book is designed to provide readers with a clear and thorough understanding of the key aspects of cloud computing. Presented in an easy-to-understand style, Essentials of Cloud Computing begins with an introduction to basic cloud computing concepts. It then covers cloud computing architecture, deployment models, programming models, and cloud service types, such as Software as a Service (SaaS) and Infrastructure as a Service (IaaS). It also discusses the cloud's networking aspects, major service providers, open source support, and security issues. The book concludes with a discussion of several advanced topics, such as mobile clouds, media clouds, and green clouds. This book is intended for beginners as well as experienced practitioners who want to learn more about cloud computing. It includes many case studies, programming examples, and industry-based applications. Each chapter concludes with review questions that help readers check their understanding of the presented topics. Essentials of Cloud Computing will help readers understand the issues and challenges of cloud computing and will give them the tools needed to develop and deploy applications in clouds.

Explore and learn the key building blocks of Microsoft Azure services and tools for implementing a disaster-recovery solution of any on-premises or cloud-based application. In this book, you will go through various aspects of planning, designing, and configuring a robust recovery solution on Azure. Introducing Disaster Recovery with Microsoft Azure starts by explaining the disaster-recovery landscape and how Azure disaster recovery is different from the traditional approach. You will learn how to leverage Azure site recovery and various Azure-based services to design and implement a recovery solution and much more. Moving forward, you will design and implement various scenarios such as on-premises to Azure, Azure to Azure, and on-premises to on-premises disaster recovery. You will also learn common considerations and technicalities of implementing recovery solutions for various multi-tier, monolithic, and modern micro-services enterprise applications. Finally, you will go through real-life examples, scenarios, and exercises. After reading this book, you will be able to design and implement disaster recovery on Azure in different scenarios. You will also look at a few real-world scenarios that will provide more practical insights. What You Will Learn Discover the fundamental building blocks of disaster recovery on AzureExamine various application-specific considerations for disaster recoveryLeverage various PaaS capabilities to achieve maximum benefitDesign and implement a multi-regional Azure to Azure disaster recovery plan Who This Book Is For Consultants, architects, and Azure administrators.

A guide to achieve a highest level of SAP S/4 HANA, Central Finance and Group Reporting KEY FEATURES In-depth demonstration of SAP S/4HANA 2020, 1909, and 2021 fundamentals. Includes graphical illustrations for Migration Cockpit commands and methods. Hands-on practice on Fiori, BPC, SAP S/4 HANA Central Finance and Group reporting. DESCRIPTION This book will guide you through the process about what you need to know and help you perform at your highest level to achieve SAP S/4 HANA and some of the best practices available today. This book can assist you in acing employment interviews. This book provides an in-depth practical illustration of SAP S/4HANA 2020, 1909, and 2021 fundamentals with several examples. It contains graphical demonstrations and visual descriptions of the commands and methods available in the SAP S/4 HANA Migration Cockpit. It includes thorough hands-on practice showcasing Fiori, BPC, SAP S/4 HANA Central Finance, and Group reporting subjects using SAP S/4HANA standards. Many applications and industry-wide projects are included in the book. After reading this book, you will be able to reliably perform Basis, Security, SD, MM, PP, FICO, and HCM operations, as well as define complicated tasks in SAP S/4 HANA from the very first day. WHAT YOU WILL LEARN Perform Basis, Security, SD, MM, PP, FICO, and HCM processes in SAP S/4 HANA. Forecast and monitor progress throughout the SAP S/4HANA deployment process. Administration, implementation, and authorisation of SAP S/4 HANA systems from start to finish. Enterprise-wide backup, restore, and monitoring of SAP HANA databases. Leverage Fiori apps to carry out SAP S/4 HANA tasks. WHO THIS BOOK IS FOR This book is meant for S/4 HANA consultants and project managers as well as those working in other fields related to SAP S/4 HANA. If you read this book, you will be well-versed in every step of the SAP S/4HANA project development lifecycle. TABLE OF CONTENTS 1. SAP S/4 HANA 2020, 2021, 1909 Interview questions. 2. Lessons learnt and pragmatic approach – SAP S/4 HANA Interview questions. 3. SAP S/4 HANA Data Migration Interview questions. 4. Interview questions and answers on BPC, SAP S/4 HANA Central Finance and Group reporting.

SAP is a market leader in enterprise business application software. SAP solutions provide a rich set of composable application modules, and configurable functional capabilities that are expected from a comprehensive enterprise business application software suite. In most cases, companies that adopt SAP software remain heterogeneous enterprises running both SAP and non-SAP systems to support their business processes. Regardless of the specific scenario, in heterogeneous enterprises most SAP implementations must be integrated with a variety of non-SAP enterprise systems: Portals Messaging infrastructure Business process management (BPM) tools Enterprise Content Management (ECM) methods and tools Business analytics (BA) and business intelligence (BI) technologies Security Systems of record Systems of engagement The tooling included with SAP software addresses many needs for creating SAP-centric environments. However, the classic approach to implementing SAP functionality generally leaves the business with a rigid solution that is difficult and expensive to change and enhance. When SAP software is used in a large, heterogeneous enterprise environment, SAP clients face the dilemma of selecting the correct set of tools and platforms to implement SAP functionality, and to integrate the SAP solutions with non-SAP systems. This IBM® Redbooks® publication explains the value of integrating IBM software with SAP solutions. It describes how to enhance and extend pre-built capabilities in SAP software with best-in-class IBM enterprise software, enabling clients to maximize return on investment (ROI) in their SAP investment and achieve a balanced enterprise architecture approach. This book describes IBM Reference Architecture for SAP, a prescriptive blueprint for using IBM software in SAP solutions. The reference architecture is focused on defining the use of IBM software with SAP, and is not intended to address the internal aspects of SAP components. The chapters of this book provide a specific reference architecture for many of the architectural domains that are each important for a large enterprise to establish common strategy, efficiency, and balance. The majority of the most important architectural domain topics, such as integration, process optimization, master data management, mobile access, Enterprise Content Management, business intelligence, DevOps, security, systems monitoring, and so on, are covered in the book. However, there are several other architectural domains which are not included in the book. This is not to imply that these other architectural domains are not important or are less important, or that IBM does not offer a solution to address them. It is only reflective of time constraints, available resources, and the complexity of assembling a book on an extremely broad topic. Although more content could have been added, the authors feel confident that the scope of architectural material that has been included should provide organizations with a fantastic head start in defining their own enterprise reference architecture for many of the important architectural domains, and it is hoped that this book provides great value to those reading it. This IBM Redbooks publication is targeted to the following audiences: Client decision makers and solution architects leading enterprise transformation projects and wanting to gain further insight so that they can benefit from the integration of IBM software in large-scale SAP projects. IT architects and consultants integrating IBM technology with SAP solutions.

Engineering Process-Centric Enterprise Systems using BPMN 2.0

Introducing Disaster Recovery with Microsoft Azure

ABCs of z/OS System Programming

SAP HANA 2.0

A Systems-Based Approach for Unlocking Business Insight, Portable Documents

SAP Security Configuration and Deployment

Practical Guide to SAP HANA and Big Data Analytics

**Enterprise Process Management Systems: Engineering Process-Centric Enterprise Systems using BPMN 2.0 proposes a process-centric paradigm to replace the traditional data-centric paradigm for Enterprise Systems (ES)--ES should be reengineered from the present data-centric enterprise architecture to process-centric process architecture to be called as Enterprise Process Management Systems (EPMS). The real significance of business processes can be understood in the context of current heightened priority on digital transformation or digitalization of enterprises. Conceiving the roadmap to realize a digitalized enterprise via the business model innovation becomes amenable only from the process-centric view of the enterprise. This pragmatic book: Introduces Enterprise Process Management Systems (EPMS) solutions that enable an agile enterprise. Describes distributed systems and Service Oriented Architecture (SOA) that paved the road to EPMS. Leverages SOA to explain the cloud-based realization of business processes in terms of Web Services. Describes how BPMN 2.0 addresses the requirements for agility by ensuring a seamless methodological path from process requirements modeling to execution and back (to enable process improvements). Presents the spreadsheet-driven Spreadsheets Application Development (SAD) methodology for the design and development of process-centric application systems. Describes process improvement programs ranging right from disruptive programs like BPR to continuous improvement programs like lean, six sigma and TOC. Enterprise Process Management Systems: Engineering Process-Centric Enterprise Systems using BPMN 2.0 describes how BPMN 2.0 can not only capture business requirements but it can also provide the backbone of the actual solution implementation. Thus, the same diagram prepared by the business analyst to describe the business's desired To-Be process can also be used to automate the execution of that process on a modern process engine.**

**Understanding Services and Tools for Implementing a Recovery Solution**

**Cracking the SAP S/4HANA Interview**

**Net Centricity and Technological Interoperability in Organizations: Perspectives and Strategies**

**Tools and Algorithms for the Construction and Analysis of Systems**

**AI, Edge and IoT-based Smart Agriculture**

**Data Center Virtualization Fundamentals**

**Decision-Maker's Guide to SAP S/4HANA Cloud, essentials edition**