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Design Principles for Process-driven Architectures Using Oracle BPM and SOA Suite 12c

A design handbook to orchestrate and manage flexible process-driven systems with Oracle BPM and SOA Suite 12c

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Design Principles For Process Driven Architectures Using Oracle Bpm And Soa Suite 12c

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Design Principles for Process-driven Architectures Using Oracle BPM and SOA Suite 12c Matjaz B. Juric, Sven Bernhardt, Hajo Normann, Danilo Schmiedel, Guido Schmutz, Mark Simpson, Torsten Winterberg, 2015-06-29 This book is a design handbook and provides skills to successfully design implement and optimize business processes on top of SOA Starting with business process modeling it shows design principles to architect sound process architectures It presents best practices for modeling business processes using BPMN together with design principles for services and composite applications It provides detailed coverage of how to prepare business processes for execution An in depth explanation of human interactions is given and also principles and best practices for using rules Moving on Adaptive Case Management principles are explained along with the reach of business processes to mobile devices and ensuring multichannel interactions Business activity monitoring event driven architectures complex event processing in relation to business processes and enabling integration with events and IoT devices are explained The design principles and best practices are demonstrated in a practical way on a rental car use case [Oracle SOA Suite 12c Administrator's Guide](#) Arun Pareek, Harold Dost, Ahmed Aboulmaga, 2015-11-27 A guide to everything an Oracle SOA Suite 12c administrator needs to hit the ground running About This Book Understand core administrative tasks such as deployments purging startup and shutdown configuration and backup and recovery Manage monitor and troubleshoot SOA composites and OSB services Follow step by step instructions to easily and quickly install a highly available two node cluster Who This Book Is For With topic areas ranging from the simple to the complex this book is intended for novice mid level and experienced administrators of the Oracle SOA Suite 12c platform as well as Oracle WebLogic Server and Oracle Database administrators interested in diving into the product What You Will Learn Navigate Oracle Enterprise Manager Fusion Middleware Control Monitor and manage the Oracle SOA Suite 12 c infrastructure Deploy and promote code Monitor and manage services Configure and administer the environment Manage the dehydration store and enterprise scheduler service Troubleshoot Oracle SOA Suite 12c infrastructure Set up backups recovery and high availability In Detail Oracle SOA Suite 12 c is the most comprehensive and integrated infrastructure on the market today that is used for building applications based on service oriented architecture With the vast number of features and capabilities that Oracle SOA Suite 12c has to offer comes numerous complexities and challenges for administration Oracle SOA Suite 12c Administrator s Guide covers all the core areas of administration needed for you to effectively manage and monitor the Oracle SOA Suite environment and its transactions from deployments to monitoring to performance tuning and much much more Manage monitor and troubleshoot SOA composites and OSB services from a single product set Understand core administrative activities such as deployments purging startup and shutdown configuration backup and recovery Also learn about new features such as Oracle Enterprise Scheduler lazy loading work manager groups high availability and more Style and approach Presented in a reference guide format where chapters can be read in any

sequence this book explains the core concepts while providing real world implementation specifics detailing the what why and how of all the administration related activities that involve Oracle SOA Suite 12c We take a step by step approach and offers tips instructions and examples that you can easily follow and execute

Best Practices for Knowledge Workers Sandy Kemsley,Nathaniel Palmer,Jim Sinur,Keith D. Swenson,Dr. Setrag Khoshafian,Linus Chow,William A. Brantley,Kerry Finn,John T. Matthias,Kay Winkler,David Gomez,2019-10-23 Best Practices for Knowledge Workers describes ACM in the current era of digitization Internet of Things IoT artificial intelligence AI intelligent BPMS and BPM Everywhere You will learn how support of adaptive data driven processes empowers knowledge workers to know in real time what is happening at the edge points and to take actions through the combination of rule driven guidance and their own know how It is not a traditionally automated system but intelligent automation where technology doesn't merely replace human decision making but extends the reach of the knowledge worker making IoT data actionable As Sandy Kemsley points out in her foreword As adaptive case management ACM systems mature we are moving beyond simple systems that allow knowledge workers to define ad hoc processes to creating more intelligent systems that support and guide them Knowledge workers still need to dynamically add information define activities and collaborate with others in order to get their work done but those are now just the table stakes in a world of big data and intelligent agents To drive innovation and maintain operational efficiencies we need to augment case work typically seen as relying primarily on human intelligence with machine intelligence In other words we need intelligent ACM Highly predictable work is easy to support using traditional programming techniques while unpredictable work cannot be accurately scripted in advance and thus requires the involvement of the knowledge workers themselves The core element of Adaptive Case Management ACM is the support for real time decision making by knowledge workers In award winning case studies covering industries as diverse as law enforcement transportation insurance banking state services and healthcare you will find instructive examples for how to transform your own organization This important book follows these ground breaking best sellers on ACM Thriving on Adaptability Empowering Knowledge Workers Taming the Unpredictable How Knowledge Workers Get Things Done and Mastering the Unpredictable and provides important papers by thought leaders in this field together with practical examples detailed ACM case studies and product reviews

Oracle SOA Suite 11g Handbook Lucas Jellema,2010-09-22 Master Oracle SOA Suite 11g Design and implement an agile service oriented enterprise computing infrastructure using the detailed information in this Oracle Press guide Written by an Oracle ACE director Oracle SOA Suite 11g Handbook uses a hands on case study to illustrate each programming management and governance concept Get expert techniques for modeling and implementing complex business processes and deploying and securing Web services while maximizing decoupling and code reuse Install Oracle SOA Suite 11g or migrate from a previous version Design and develop composite applications using SCA and SDO Model processes using BPEL BPMN and human task components Connect components through mapping and filtering with Oracle Mediator Apply the principles

of event driven architecture through complex event processing the event delivery network and Oracle Business Activity Monitoring server Benefit from the power of Java through the Spring component and the interaction with Oracle Validate enrich transform route and operate on data using the Oracle Service Bus Deploy test and manage composite applications from the Oracle Enterprise Manager control console *Business Process Driven SOA Using BPMN and BPEL* Kapil Pant, Matjaz B. Juric, 2008-08-28 Go from Business Process Modeling to Orchestration and Service Oriented Architecture with this book and eBook **Oracle Business Process Management Suite 11g Handbook** Manoj Das, Manas Deb, Mark Wilkins, 2011-10-21 Master Oracle Business Process Management Suite 11g Written by Oracle business process management experts Oracle Business Process Management Suite 11g Handbook is a balanced combination of essential BPM concepts best practices and a detailed treatment of all the powerful features and functionalities of Oracle BPM Suite 11g The book explains how to plan develop and deploy process based business applications and enable enterprise wide continuous process improvement Implement successful BPM projects with help from this Oracle Press guide Understand the architecture and functionalities of Oracle BPM Suite 11g Master BPMN 2.0 for business process modeling and implementation Address agility business control and transparency requirements with Oracle Business Rules 11g Develop rich interfaces with Oracle Application Development Framework Oracle ADF Work with the human task component of Oracle BPM 11g Plan a BPM initiative using the Oracle roadmap approach Apply the Oracle process engineering method to identify select define and refine appropriate processes Implement a business process application using proven technical design and project delivery strategies [Oracle BPM Suite 12c Modeling Patterns](#) Vivek Acharya, 2014-09-25 This book is an invaluable resource if you are an Enterprise architect solution architect developer process analyst or application functional and technical consultant who uses Business Process Management and BPMN to model and implement Enterprise IT applications SaaS and cloud applications *Oracle BPM Suite 11g Developer's Cookbook* Vivek Acharya, 2012-01-01 This book is written in simple easy to understand format with lots of screenshots and step by step explanations If you are a BPM developer looking to develop robust BPM solutions without impediments then this is the best guide for you This book assumes that you have a fundamental knowledge of BPM **Process-Centric Architecture for Enterprise Software Systems** Parameswaran Seshan, 2010-06-24 The increasing adoption of Business Process Management BPM has inspired pioneering software architects and developers to effectively leverage BPM based software and process centric architecture PCA to create software systems that enable essential business processes Reflecting this emerging trend and evolving field Process Centric Architecture for Enterprise Software Systems provides a complete and accessible introduction explaining this architecture The text presents in detail the analysis and design principles used in process centric architecture Illustrative examples demonstrate how to architect and design enterprise systems based on the business processes central to your organization It covers the architectural aspects of business process management the evolution of IT systems in enterprises the importance of

a business process focus the role of workflows business rules enterprise application integration and business process modeling languages such as WS BPEL and BPML It also investigates Fundamental concepts of process centric architecture style The PCA approach to architecting enterprise IT systems Business process driven applications and integration Two case studies that illustrate how to architect and design enterprise applications based on PCA SOA in the context of process centric architecture Standards technologies and infrastructure behind PCA Explaining how to architect enterprise systems using a BPMS technology platform J2EE components and Web services this forward looking book will empower you to create systems centered on business processes and make today s enterprise processes successful and agile Combining Business Process Management and Enterprise Architecture for Better Business Outcomes Claus T. Jensen,Owen Cline,Martin Owen,IBM Redbooks,2011-03-31 This IBM Redbooks publication explains how to combine business process management BPM and Enterprise Architecture EA for better business outcomes This book provides a unique synergistic approach to BPM and EA based on a firm understanding of the life cycles of the enterprise and the establishment of appropriate collaboration and governance processes When carried out together BPM provides the business context understanding and metrics and EA provides the discipline to translate business vision and strategy into architectural change Both are needed for sustainable continuous improvement This book provides thought leadership and direction on the topic of BPM and EA synergies Although technical in nature it is not a typical IBM Redbooks publication The book provides guidance and direction on how to collaborate effectively across tribal boundaries rather than technical details about IBM software products The primary audience for this book is leaders and architects who need to understand how to effectively combine BPM and EA to drive as a key differentiator continuous improvement and transformational change with enterprise scope

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