



Applied SOA Patterns on the Oracle Platform

Fuse together your pragmatic Oracle experience with abstract SOA patterns with this practical guide

Sergey Popov

[PACKT] enterprise ⁸⁸
publishing

Applied Soa Patterns On The Oracle Platform Popov Sergey

Raffaela Di Napoli



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Applied SOA Patterns on the Oracle Platform Sergey Popov, 2014-08-12 Applied SOA Patterns on the Oracle Platform is aimed at architects practicing SOA or traditional integration and also at technical team leaders implementing Oracle Fusion under SCRUM or WF methodology *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 API Management 12c Implementation Luis Augusto Weir, Andrew Bell, Rolando Carrasco, Arturo Viveros, 2015-09-30 Learn how to successfully implement API management using Oracle s API Management Solution 12c About This Book Explore the key concepts goals and objectives of API Management and learn how to implement it using the Oracle API Management Solution Understand the concepts and objectives of the Application Service Governance ASG along with the governance framework that encompasses people processes and technology Get to grips with API Management readiness assessments gap analysis digital reference architecture and implementation roadmaps Who This Book Is For This book is for Enterprise Architects Solution Architects Technical Architects and SOA and API consultants who want to successfully implement API Management using the Oracle API Management Solution products What You Will Learn Understand how to manage a set of APIs Discover the differences and similarities between API Management and SOA Governance and where and how these two disciplines converge into Application Services Governance ASG Grasp information about ASG and how to define an ASG governance framework Understand the challenges for organizations looking to expose APIs to the external world Identify common scenarios and how to solve them Define an Oracle API management deployment topology Install and configure Oracle API Catalog OAC Oracle API Manager OAPIM and Oracle API Gateway OAG Learn about API subscriptions and API community management with the OAPIM portal Implement Oracle API Manager OAPIM including creation publishing management and deprecation of APIs In Detail Oracle SOA Governance is a comprehensive service orientated governance solution that is designed to make the transition to SOA easier API management is the discipline that governs the software development lifecycle of APIs It defines

the tools and processes needed to build publish and operate APIs including the management of the community of developers around it This book illustrates how to successfully implement API Management in your organization To achieve this the importance of defining an API management strategy and implementation roadmap so that capabilities are implemented in the right order and timeframes is described It starts by describing all of the fundamental concepts around API Management and related disciplines such as SOA Governance and DevOps in order to dispel the confusion surrounding these topics The book then takes you on the journey of implementing API Management using a realistic case study of an organization that needs an API Management solution You will start by identifying the key business drivers to implement APIs and then create an API Management strategy and a roadmap to realize this strategy You ll then go through a number of use cases each focused on addressing specific business requirements These will help you understand each of the Oracle API Management products how they fit into an overall architecture and how to implement them The book concludes by providing some tips and guidelines around defining a deployment topology for the Oracle API Management products and the steps to install them Style and approach This book is a comprehensive guide to successfully implementing a complete API Management solution from inception to implementation The initial chapters introduce you to Oracle SOA Governance and API Management and from there chapters are mainly hands on and provide a full step by step walkthrough of how to implement the products of the Oracle API management solution to address realistic use cases

SOA Design Patterns Thomas Erl,2008-12-31 In cooperation with experts and practitioners throughout the SOA community best selling author Thomas Erl brings together the de facto catalog of design patterns for SOA and service orientation More than three years in development and subjected to numerous industry reviews the 85 patterns in this full color book provide the most successful and proven design techniques to overcoming the most common and critical problems to achieving modern day SOA Through numerous examples individually documented pattern profiles and over 400 color illustrations this book provides in depth coverage of Patterns for the design implementation and governance of service inventories collections of services representing individual service portfolios that can be independently modeled designed and evolved Patterns specific to service level architecture which pertain to a wide range of design areas including contract design security legacy encapsulation reliability scalability and a variety of implementation and governance issues Service composition patterns that address the many aspects associated with combining services into aggregate distributed solutions including topics such as runtime messaging and message design inter service security controls and transformation Compound patterns such as Enterprise Service Bus and Orchestration and recommended pattern application sequences that establish foundational processes The book begins by establishing SOA types that are referenced throughout the patterns and then form the basis of a final chapter that discusses the architectural impact of service oriented computing in general These chapters bookend the pattern catalog to provide a clear link between SOA design patterns the strategic goals of service oriented computing different SOA types and the service orientation design

paradigm This book series is further supported by a series of resources sites including soabooks.com soaspecs.com soapatterns.org soamag.com and soaposters.com *Oracle Soa Patterns* Kathiravan Udayakumar,2012-09-10 This book helps the readers to understand the different set of Oracle SOA patterns and essential frameworks to be implemented SOA using Oracle SOA This book covers the details on service Design patterns listed in www.soapatterns.com and implementation techniques in Oracle SOA Suite This book also introduces Oracle SCA component interaction patterns and identify the impact of transactionality and fault propagation during component interactions It provides an overview on Oracle AIA patterns as well along with WebService security patterns and SOA infrastructure deployment patterns It also supports the reader to understand the techniques to maximize the Oracle SOA Suite and provides the best practices to implement Oracle SOA The reader of the book would be benefited by understanding the various patterns available to design the services choose the appropriate component interaction pattern for the given integration scenario and implement Oracle SOA infrastructure with right level of security and appropriately choose the features of Oracle SOA to maximize its usage Hidden traps and pitfalls highlighted in the book would help the readers to be cautious to choose the right pattern for their SOA implementation

Applied SOA Michael Rosen,Boris Lublinsky,Kevin T. Smith,Marc J. Balcer,2012-07-02 Endorsed by all major vendors Microsoft Oracle IBM and SAP SOA has quickly become the industry standard for building next generation software this practical guide shows readers how to achieve the many benefits of SOA Begins with a look at the architectural principles needed to create successful applications and then goes on to examine the process for designing services and SOA implementations Each stage of the design process has an accompanying chapter that walks readers through the details and provides helpful tips techniques and examples The author team of SOA practitioners also provides two unique comprehensive end to end case studies illustrating the architectural and design techniques presented in the book **WS-BPEL 2.0 for SOA Composite Applications with Oracle SOA Suite 11g** Matjaz B. Juric,2010-09-06 Define model implement and monitor real world BPEL business processes with SOA powered BPM for Oracle SOA Suite with this book and eBook [SOA Design Patterns](#) Erl,2008 *The Definitive Guide to SOA* David Schorow,Jeff Davies,Samrat Ray,David Rieber,2008-10-21 The Definitive Guide to SOA Oracle Service Bus Second Edition targets professional software developers and architects who know enterprise development but are new to enterprise service buses ESBs and service oriented architecture SOA development This is the first book to cover a practical approach to SOA using the BEA AquaLogic Service Bus tool And it s written from the source BEA Systems AquaLogic product lead Jeff Davies This book provides hands on information to developing SOA driven applications with ESBs as central components It also gives strategic guidance on SOA planning web service life cycle management administration of an ESB and security considerations Author Jeff Davies is careful to cut through theory and get straight to demonstrating successful use of the product **Oracle SOA Suite 11g R1 Developer's Guide** Antony Reynolds,Matt Wright,2010-07-01 Develop Service Oriented Architecture Solutions with the Oracle SOA Suite

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