

Oracle Utilities Application Framework Architecture Guidelines

Putting together the right team to tackle the Oracle E-Business Suite R12.2.6 upgrade, and understanding the issues that the team needs to consider to be successful, can be quite a challenge. "the little r12.2.6 upgrade essentials for managers and team members" describes the big picture of what you need to consider before tackling the Release 12.2.6 upgrade. Based on TruTek's popular R11i to R12 Technical Upgrade training classes, this book describes what managers, functional, and technical team members need to know to prepare to upgrade from Release 11i to Release 12.2.6 of Oracle's E-Business Suite of Applications. Enhanced topics with this edition include: Online Patching, the ADOP Patching Cycle, Materialized Views, Customizations, Development Standards for Edition Based Redefinition, How Cross-Edition Triggers Work, and Understanding the Release 12.2 Architecture.

Grid architecture is Oracle's strategy for high-end computing and RAC is the stepping stone into this arena. This book focuses on current technology including all valid RAC features up through Oracle Database 10g Release 2, with a primary focus on deploying it in a high-end grid environment. The book discusses this technology at length which users will find beneficial when researching, implementing or monitoring a RAC environment. The author covers workshop implementation of services and the distribution of workload across instances, with threshold definitions and the new load balancing algorithms. In addition it includes detailed discussions on ASM that complements the implementation of RAC in Oracle Grid strategy. The book also includes discussions on new Oracle Clusterware, its components and its integration with RAC. Oracle 10g RAC focuses on RAC-specific topics including ASM, operating system configuration, installation and configuration of RAC and much more. Coverage includes network configuration for high availability, FAN, TAF, ONS, implementation of maximum availability architecture (MAA), EM Grid Control, AWR, ADDM and other performance-related tools. The author includes several scripts for performance tuning and implementation that the reader can use to configure a RAC environment either on a 2, 4, 8, 60 or 99 node configuration. Focuses on implementing, testing and tuning features of Real Application Clusters (RAC) database version 10g Release 2 Provides extensive coverage of usage, day-to-day functions and operations Includes tips and techniques such as script samples to illustrate various features of RAC A jumpstart into all the key features of 10g R2 RAC

Master Oracle Fusion Applications Administer a fully integrated application management framework across your enterprise using the detailed information contained in this Oracle Press guide. Managing Oracle Fusion Applications first explains key principles and then logically groups utilities into practical, ready-to-use toolboxes. Learn how to build lifecycle models, deliver dynamic business intelligence, optimize performance, mitigate risk, and integrate the latest Web 2.0 and social networking features. Compliance, security, and testing techniques are also covered in this comprehensive resource. Understand the components and architecture of Oracle Fusion Applications Plan, develop, and implement an effective application management plan Resolve reliability issues with Oracle Enterprise Manager Configure and deploy applications from the Oracle WebLogic Server Administration Console Adjust run-time parameters using Java Management Extensions and MBeans Generate and distribute reports using Oracle Business Intelligence 11g Establish solid user authentication, access control, and data protection policies Work with Oracle Fusion Governance, Risk, and Compliance Intelligence

Authoritative guide to Oracle WebLogic Server-from Oracle insiders If you're an experienced Java developer who wants to expand your skills, Professional Oracle WebLogic Server is the perfect guide for you. This book is written by a top-notch author team that includes one of the lead architects from Oracle's Fusion Middleware Development Architects team. Follow their best practices, workarounds, and sound techniques and confidently develop even the most mission-critical applications with WebLogic Server. This book fully covers WebLogic Server 11g, including the new features of both JEE 5 and WebLogic Server, as well as JEE 5 annotations, Spring, JPA, JAX-WS, JMS Store-And-Forward, SAML support, and the WLST administrative scripting tool. This book is the authoritative guide to Choosing a Web application architecture Best practices for development and production environments Designing an Java EE application Building Enterprise JavaBeans in WebLogic Server Building an EJB application Packaging and deploying WebLogic web applications Developing and deploying web services Using WebLogic JMS Using WebLogic security Administering and deploying applications in WebLogic Server Optimizing WebLogic Server performance

Quickly get up to speed with Oracle's Application Development Framework (ADF). Rapidly build modern, user-friendly applications that will be easy to re-use, expand, and maintain. Oracle ADF Survival Guide covers the latest 12c version and explains all the important concepts and parts, including ADF Faces, ADF Task Flows, ADF Business Components, ADF Skins, the new Alta UI, and how to implement business logic in all layers of the application. Organizations with existing investments in Oracle database and Oracle Forms applications will be able to leverage Oracle's best practice for application development in moving those applications to the ADF framework. The book: Explains all parts of the ADF stack Shows how to integrate with databases and web services Demonstrates the best practice for ADF enterprise architecture What You Will Learn Rapidly build great-looking, user-friendly screens Build page flows visually for improved communication with business users Easily connect your user interface to databases and other back-end systems Leverage the best practice for productive team development Establish a solid enterprise architecture for maximum reuse and maintainability Automate your build and deployment process Who This Book Is For Experienced developers who want to rapidly become productive with Oracle's Application Development Framework (ADF) 12c. It is for Oracle Forms and database developers working for organizations who have followed Oracle's strategic direction to ADF, as well as for experienced Java developers who want to learn Oracle's highly-productive, JSF framework.

* Only in-depth guide on the market focused purely on telling J2EE developers exactly what they need to know to get their J2EE applications up and running on Oracle AS 10g. * Covers the very latest release and provides tons of tips/workarounds compiled by an expert author

during numerous projects. * Compares and contrasts the Oracle AS 10g implementation to other J2EE application servers (particularly WebLogic, WebSphere and JBoss), taking advantage of the experience many readers already have with those products. This makes it an ideal book for anyone migrating to 10G from another app server.

Expert guidance on administering the highly complex Oracle E-Business Suite Time-proven best practices Tried and tested scripts, notes, and references Covers all vital admin tasks, including configuration, monitoring, performance tuning, troubleshooting, and patching Cloud computing has become integrated into all sectors, from business to quotidian life. Since it has revolutionized modern computing, there is a need for updated research related to the architecture and frameworks necessary to maintain its efficiency. The Handbook of Research on End-to-End Cloud Computing Architecture Design provides architectural design and implementation studies on cloud computing from an end-to-end approach, including the latest industrial works and extensive research studies of cloud computing. This handbook enumerates deep dive and systemic studies of cloud computing from architecture to implementation. This book is a comprehensive publication ideal for programmers, IT professionals, students, researchers, and engineers.

In this compact book, Steven Feuerstein, widely recognized as one of the world's leading experts on the Oracle PL/SQL language, distills his many years of programming, teaching, and writing about PL/SQL into a set of best practices-recommendations for developing successful applications. Covering the latest Oracle release, Oracle Database 11gR2, Feuerstein has rewritten this new edition in the style of his bestselling Oracle PL/SQL Programming. The text is organized in a problem/solution format, and chronicles the programming exploits of developers at a mythical company called My Flimsy Excuse, Inc., as they write code, make mistakes, and learn from those mistakes-and each other. This book offers practical answers to some of the hardest questions faced by PL/SQL developers, including: What is the best way to write the SQL logic in my application code? How should I write my packages so they can be leveraged by my entire team of developers? How can I make sure that all my team's programs handle and record errors consistently? Oracle PL/SQL Best Practices summarizes PL/SQL best practices in nine major categories: overall PL/SQL application development; programming standards; program testing, tracing, and debugging; variables and data structures; control logic; error handling; the use of SQL in PL/SQL; building procedures, functions, packages, and triggers; and overall program performance. This book is a concise and entertaining guide that PL/SQL developers will turn to again and again as they seek out ways to write higher quality code and more successful applications. "This book presents ideas that make the difference between a successful project and one that never gets off the ground. It goes beyond just listing a set of rules, and provides realistic scenarios that help the reader understand where the rules come from. This book should be required reading for any team of Oracle database professionals." --Dwayne King, President, KRIDAN Consulting

Learn the ins and outs of the Industrial Internet of Things through subjects ranging from its history and evolution, right up to what the future holds. About This Book Define solutions that can connect existing systems and newer cloud-based solutions to thousands of thousands of edge devices and industrial machines Identify, define, and justify Industrial Internet of Things (IIoT) projects, and design an application that can connect to and control thousands of machines Leverage the power and features of a platform to monitor, perform analytics, and maintain the Industrial Internet Who This Book Is For Architects who are interested in learning how to define solutions for the Industrial Internet will benefit immensely from this book. Relevant architect roles include enterprise architects, business architects, information architects, cloud solution architects, software architects, and others. The content is also relevant for technically inclined line of business leaders investing in these solutions. What You Will Learn Learn the history of the Industrial Internet and why an architectural approach is needed Define solutions that can connect to and control thousands of edge devices and machines Understand the significance of working with line of business leadership and key metrics to be gathered Connect business requirements to the functional architecture Gain the right expectation as to the capabilities of Industrial Internet applications and how to assess them Understand what data and analytics components should be included in your architecture solution Understand deployment trade-offs, management and security considerations, and the impact of emerging technologies In Detail The Industrial Internet or the IIoT has gained a lot of traction. Many leading companies are driving this revolution by connecting smart edge devices to cloud-based analysis platforms and solving their business challenges in new ways. To ensure a smooth integration of such machines and devices, sound architecture strategies based on accepted principles, best practices, and lessons learned must be applied. This book begins by providing a bird's eye view of what the IIoT is and how the industrial revolution has evolved into embracing this technology. It then describes architectural approaches for success, gathering business requirements, and mapping requirements into functional solutions. In a later chapter, many other potential use cases are introduced including those in manufacturing and specific examples in predictive maintenance, asset tracking and handling, and environmental impact and abatement. The book concludes by exploring evolving technologies that will impact IIoT architecture in the future and discusses possible societal implications of the Industrial Internet and perceptions regarding these projects. By the end of this book, you will be better equipped to embrace the benefits of the burgeoning IIoT. Style and approach This book takes a comprehensive approach to the Industrial Internet, thoroughly acquainting the reader with the concepts and philosophy of the IIoT. It provides a basis for defining an IIoT solution in a thoughtful manner and creating what will be viewed as a successful project.

This book will help you get through Oracle Apps DBA Interview. It covers all the topics that are frequently asked in the interview. It is meant for professionals, who are aspiring to become Oracle Apps Database Administrators.

Create web and database applications with Oracle JDeveloper 10g--the complete, integrated Java development environment--with help from this comprehensive, real-world resource. Many chapters contain hands-on practices and source code examples reinforcing vital concepts. It's all here--from the nuts-and-bolts of J2EE applications, servlets, and JavaServer Pages technology to advanced development using the Oracle Application Development Framework. From the exclusive publishers of Oracle Press books, Oracle JDeveloper 10g Handbook will have you developing Java-based applications in no time.

For more than 40 years, Computerworld has been the leading source of technology news and information for IT influencers worldwide. Computerworld's award-winning Web site (Computerworld.com), twice-monthly publication, focused conference series and custom research form the hub of the world's largest global IT media network.

Migrating to the Cloud: Oracle Client/Server Modernization is a reference guide for migrating client/server applications to the Oracle cloud. Organized into 14 chapters, the book offers tips on planning, determining effort and budget, designing the Oracle cloud infrastructure, implementing the migration, and moving the Oracle cloud environment into production. Aside from Oracle application and database cloud offerings, the book looks at various tools and technologies that can facilitate migration to the cloud. It includes useful code snippets and step-by-step instructions in database migration, along with four case studies that highlight service enablement of DOS-based applications, Sybase to Oracle, PowerBuilder to APEX, and Forms to Java EE. Finally, it considers current challenges and future trends in cloud computing and client/server migration. This book will be useful to IT professionals, such as developers, architects, database administrators, IT project managers, and executives, in developing migration strategies and best practices, as well as finding appropriate solutions. Focuses on Oracle architecture, Middleware and COTS business applications Explains the tools and technologies necessary for your legacy migration Gives useful information about various strategies, migration methodologies and efficient plans for executing migration projects

Written by Oracle insiders, this indispensable guide distills an enormous amount of information about the Oracle Database into one compact volume. Ideal for novice and experienced DBAs, developers, managers, and users, Oracle Essentials walks you through technologies and features in Oracle's product line, including its architecture, data structures, networking, concurrency, and tuning. Complete with illustrations and helpful hints, this fifth edition provides a valuable one-stop overview of Oracle Database 12c, including an introduction to Oracle and cloud computing. Oracle Essentials provides the conceptual background you need to understand how Oracle truly works. Topics include: A complete overview of Oracle databases and data stores, and Fusion Middleware products and features Core concepts and structures in Oracle's architecture, including pluggable databases Oracle objects and the various datatypes Oracle supports System and database management, including Oracle Enterprise Manager 12c Security options, basic auditing capabilities, and options for meeting compliance needs Performance characteristics of disk, memory, and CPU tuning Basic principles of multiuser concurrency Oracle's online transaction processing (OLTP) Data warehouses, Big Data, and Oracle's business intelligence tools Backup and recovery, and high availability and failover solutions InfoWorld is targeted to Senior IT professionals. Content is segmented into Channels and Topic Centers. InfoWorld also celebrates people, companies, and projects.

For more than 20 years, Network World has been the premier provider of information, intelligence and insight for network and IT executives responsible for the digital nervous systems of large organizations. Readers are responsible for designing, implementing and managing the voice, data and video systems their companies use to support everything from business critical applications to employee collaboration and electronic commerce.

The Open Group Architecture Framework (TOGAF) is a framework a detailed method and a set of supporting tools for developing an enterprise architecture, developed by members of The Open Group Architecture Forum (www.opengroup.org/architecture).As a comprehensive, open method for enterprise architecture, TOGAF Version 9 complements, and can be used in conjunction with, other frameworks that are more focused on specific aspects of architecture or for vertical sectors such as Government, Defense, and Finance.TOGAF may be used freely by any organization wishing to develop an enterprise architecture for use within that organization (subject to the Conditions of Use).This book is divided into seven main parts :PART I (Introduction) This part provides a high-level introduction to the key concepts of enterprise architecture and in particular the TOGAF approach. It contains the definitions of terms used throughout TOGAF and release notes detailing the changes between this version and the previous version of TOGAF.PART II (Architecture Development Method) This is the core of TOGAF. It describes the TOGAF Architecture Development Method (ADM) a step-by-step approach to developing an enterprise architecture.PART III (ADM Guidelines & Techniques) This part contains a collection of guidelines and techniques available for use in applying TOGAF and the TOGAF ADM.PART IV (Architecture Content Framework) This part describes the TOGAF content framework, including a structured metamodel for architectural artifacts, the use of re-usable architecture building blocks, and an overview of typical architecture deliverables.PART V (Enterprise Continuum & Tools) This part discusses appropriate taxonomies and tools to categorize and store the outputs of architecture activity within an enterprise.PART VI (TOGAF Reference Models) This part provides a selection of architectural reference models, which includes the TOGAF Foundation Architecture, and the Integrated Information Infrastructure Reference Model (III-RM).PART VII (Architecture Capability Framework) This part discusses the organization, processes, skills, roles, and responsibilities required to establish and operate an architecture function within an enterprise.

Main author Ravi S. Iyer created the eklavyasai.blogspot.com blog and used it from September 2011 to play a part-time, peaceful and amicable, Indian Computer Science (CS) and Information Technology (IT) academic reform, Internet-based activist role. His focus was on improving the practice of software development in Indian CS & IT academia. But he thought that it is such a vital part of the CS & IT field and that it is so poor in many parts of Indian CS & IT academia, that he referred to his efforts as Indian CS & IT academic reform activism. Other contributors to the blog have given their views on certain topics. Main work period has been from 2011 to 2014 with a little work later, off & on. The main author is no longer active in this area. This book is aimed at helping other activists involved in improving the practice of software development in Indian CS and IT academia to get the views of the blog in a convenient form. The book may also be of interest to similar activists in other countries. About the author: Main author Ravi S. Iyer is a Physics graduate from Ruia college, University of Bombay (Mumbai) who was industry trained and later self-taught in software development. He worked in the international software industry (US, Europe, Japan, South Korea, India etc.) developing systems as well as applications software (CS & IT) for over 18 years after which he retired from commercial work. Later, mainly as a "visiting faculty", he offered free service of teaching programming courses (lab. courses) and being a "technical consultant" for student projects in a Maths & Computer Science department of a deemed university in India for 9 years.

Oracle ADF Survival GuideMastering the Application Development FrameworkApress

Introduces the concept of Enterprise Architecture, using the Framework developed by John Zachman, to business and MIS students and professionals.

Oracle E-Business Suite R12 Integration and OA Framework Development and Extension Cookbook.

Learn to build and implement a robust Oracle E-Business Suite system using the new release, EBS 12.2. This hands-on, real-world guide explains the rationale for using an Oracle E-Business Suite environment in a business enterprise and covers the major technology stack changes from EBS version 11i through R12.2. You will learn to build up an EBS environment from a simple single-node installation to a complex multi-node high available setup. Practical Oracle E-Business Suite focuses on release R12.2, but key areas in R12.1 are also covered wherever necessary. Detailed instructions are provided for the installation of EBS R12.2 in single and multi-node configurations, the logic and methodology used in EBS patching, and cloning of EBS single-node and complex multi-node environments configured with RAC. This book also provides information on FMW used in EBS 12.2, as well as performance tuning and EBS 12.2

on engineered system implementations. What You Will Learn:
Understand Oracle EBS software and the underlying technology stack components
Install/configure Oracle E-Business Suite R12.2 in simple and HA complex setups
Manage Oracle EBS 12.2
Use online patching (adop) for Installation of Oracle EBS patches
Clone an EBS environment in simple and complex configurations
Perform and tune Oracle EBS in all layers (Application/DB/OS/NW)
Secure E-Business Suite R12.2
Who This Book Is For:
Developers, data architects, and data scientists looking to integrate the most successful big data open stack architecture and how to choose the correct technology in every layer

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