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Oracle ADF Real World Developer's Guide



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Mastering essential tips and tricks for building next generation enterprise applications with Oracle ADF

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Synopsis

In Detail Oracle ADF in combination with JDeveloper IDE offers visual and declarative approaches to enterprise application development. This book will teach you to build scalable rich enterprise applications using the ADF Framework, with the help of many real world examples. Oracle ADF is a powerful application framework for building next generation enterprise applications. The book is a practical guide for the ADF framework and discusses how to use Oracle ADF for building rich enterprise applications. "Oracle ADF Real World Developerâ™s Guide" discusses ADF framework in detail. This book contains a lot of real life examples which will help developers to design and develop successful enterprise applications. This book starts off by introducing the development environment and JDeveloper design time features. As you read forward, you will learn to build a full stack enterprise application using ADF. You will learn how to build business services using ADF, enable validation for the data model, declaratively build user interfaces for business service and enable security across application layers. Approach This book is written in simple, easy to understand format with lots of screenshots and step-by-step explanations. Who this book is for If you are an ADF developer looking forward to building healthy and better performing applications using Oracle ADF, then this is the best guide for you. You need to be proficient with Java and ADF before getting started with this book.

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Customer Reviews

It is interesting to compare this book with Oracle's online developer's guide, which actually counts over 1800 pages. At first sight, the book structure resembles that of official documentation. However, it is superior to examples and abundance of source code. It covers in detail many of the interior aspects of the framework that have not been described elsewhere, such as how locking works, managing transactions in different layers, the ADF lifecycle, metadata files and much more. Particular emphasis is also given into ADF Java APIs. Jobinesh, a well respected ADF architect and blogger, when refers to a subject, he often describes very thoroughly how it works, providing examples of available APIs and also citing execution flows at runtime. On the other hand, on issues that are already well provided by official documentation or by online resources, he gives a brief description and direct referrals in order to avoid repetition. Finally, it is worth mentioning that the relevant (rich) code downloads section cover all examples of the book, and is perceived as a great gift. The contents of the book includes twelve chapters, half of which relate to the ADF BC and four to ADF Faces and ADF Controller. There are two chapters of mixed content about validations and best practices. The persistence on technical detail makes the book invaluable for middle-level and senior ADF developers ADF, but I would not recommend it for first ADF reading for those who are coming from a 4GL (Oracle Forms) or Java / JEE background. A quick walk-through of the content. The first chapter ("Getting started with Oracle ADF") describes a short demonstration of ADF development.

Hopefully if you are considering this book, you are already programming in java and you know what a Model-View-Controller [MVC] pattern is. Oracle has built its ADF to implement MVC at a high level of structure. The code packages are myriad and complex, but if you keep in mind the MVC diagram on page 10 and if you refer frequently to it while reading the rest of the text, then the latter can be far more comprehensible. The book starts with the building and running of an application that does not need you writing any java code. Don't take that too literally. Needless to say, this is rather artificial but still impressive. As a practical consideration, customising your company's business logic into ADF will almost surely necessitate custom java code. A major advantage of ADF is the use of declarative programming. This approach differs fundamentally from standard step by step coding in java [or C++ or C#]. When declarative programming becomes possible, as it is here in the Oracle

framework, coding productivity tends to rise and bug rates tend to fall. The visual approach is far more intuitive to a non-programmer and maybe even to a programmer like yourself. It stuffs the complexity behind the declarations. The book goes into many pages about small details of ADF, but if you step back, the biggest advantage to ADF seems to me to be the declarative programming. Unsurprisingly, the book also has extensive coverage of how relational databases [ie. Oracle's 11g] can be used within ADF. In part, this is to explain how to use structures like the Entity object to model tables. But there are also prolonged explanations of the user facing side, with graphical constructs like the View object that you can code to help the user see the data. Oracle has invested a lot in these.

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