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Oracle SOA Suite 11g R1 Developer's Guide

Develop Service-Oriented Architecture Solutions with the
Oracle SOA Suite

Foreword by David Shaffer
Vice President, Product Management, Oracle Integration

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Antony Reynolds

Matt Wright

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BIRMINGHAM - MUMBAI

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Antony Reynolds
Matt Wright

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Shantanu Zagade

Foreword

First and foremost, let me say what an honor it is to participate in the great work that Antony Reynolds and Matt Wright are doing through this Oracle SOA Suite Developer Guide. The original edition of the book provided SOA developers with practical tips, code examples, and under-the-covers knowledge of Oracle SOA Suite and has received extremely positive feedback from our developer community. This edition carries forward all of those benefits, but is completely updated for the 11gR1 release of Oracle SOA Suite, which brings with it not only new features and APIs, but also some very significant architectural changes.

The original edition filled a very important need for the developer community, going beyond basic documentation to provide best practices and tips and tricks for Oracle SOA Suite developers. Antony and Matt were just the right people to create such content, each having many years hands-on experience of enabling Oracle SOA Suite implementations for customers and partners, as well as a close working relationship with Oracle's SOA engineering and product management teams. However, I believe this update for the 11gR1 release will be even more valuable to the developer community.

With 11gR1, Oracle invested a tremendous amount of engineering work to not just integrate, but unify the components that make up the Oracle SOA Suite. This was done across many areas - adapters, service bus, routing, process orchestration, business rules, B2B / partner integration, business activity monitoring, and complex event processing. To achieve this unified experience, new micro-kernel based runtime architecture was created, called the Service Infrastructure, and new standards such as SCA (Service Component Architecture) were implemented. These advances bring great benefits to customers around ease-of-use, manageability and scalability; however, there is naturally a learning curve with the new features and also new architectural factors that come into play. For example, architects and developers will now consider not just how to decompose their requirements into Services and Processes, but also determine what level of granularity their SOA Composites should be at.