

# **Migrating to a Service-oriented Architecture with Web Services: Beyond the Hype**

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## **Abstract**

This intense and unique tutorial provides a direct, step-by-step walkthrough of the key factors and considerations for migrating an organization from its current state to a service-oriented architecture. It discusses key areas of concern that should be addressed in this transformation process from current to future state.

The identification, modeling and design of appropriate services at a proper level of granularity that are business aligned and leverage IT systems is a key issue addressed by a Service-oriented Analysis and Design. Thus, in the second part of this tutorial we provide a step-by-step introduction to Service-oriented Analysis and Design using the SOMA (service-oriented modeling and architecture) method [1].

Using this method in conjunction with key web services standards and tools, we present a set of concrete process steps that lead to the realization of an SOA.

## **About the Presenter**

Ali Arsanjani is a Senior Consulting I/T Architect for IBM Global Services, USA. His job role is Chief Architect for the SOA and Web services Center of Excellence in Application Innovation Services. He has 21 years of experience in software development and architecture and works with IBM's major clients in the areas of component-based and service.

He holds a PhD in Computer Science from DeMontfort University, UK. His areas of expertise include architectural, design patterns, object-oriented, component-based and service-oriented software architecture and methods with emphasis on Web services in recent years. He has written extensively on patterns, service-oriented architecture, component-based development and integration, business rules and dynamically re-configurable software architecture and is a regular presenter at major conferences.

## **References**

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- [2] Keith Levi, Ali Arsanjani: A goal-driven approach to enterprise component identification and specification. Communications of the ACM 45(10): 45-52 (2002).