SOA Adoption and Architecture Fundamentals

IT Strategies from Oracle (ITSO) and Oracle Reference Architecture (ORA) Overview

- Introducing ITSO and ORA
- Describing Oracle Reference Architecture
- Describing Enterprise Technology Strategies
- Describing Enterprise Solution Designs

Oracle's Approach to Service-Oriented Architecture (SOA)

- Defining Service-Oriented Architecture
- Discussing Fundamentals of SOA Adoption
- Introducing SOA Methodology Approach: Road Map Creation
- Introducing SOA Methodology Approach: Strategy and Planning
- Introducing SOA Execution

Creating an SOA Road Map

- Introducing SOA Road Map Creation
- Exploring the SOA Maturity Model
- Describing the SOA Road Map Creation Process

Service Terms and Concepts

- Defining a Service
- Exploring a Service Model
- Explaining the Importance of Service Versioning

SOA Reference Architecture

- Explaining the Importance of a Reference Architecture
- Describing the Conceptual View
- Describing the Logical View
- Describing the Product Mapping View
- Describing the Deployment View
- Describing Web Service Security

Software Engineering in a SOA Environment - Requirements Management

- Introducing Oracle Service Engineering Framework
- Explaining the Business Function Model, its Benefits and Construction
- Explaining Functional Requirements Decomposition

- Explaining Business Process Decomposition
- Explaining Application Decomposition
- Using Results of Decompositions to Expand a Business Function Model
- Explaining Data Requirements Decomposition
- Describing What Kinds of SOA Assets are Derived from these Activities

Service Identification and Discovery

- Naming the 4 Actions Related to Service Identification
- Performing Functional Activity Analysis toUpdate a Business Function Model
- Describing the Characteristics of Shared Project, and Partially Shared Requirements
- Performing Business Entity Analysis
- Explaining How a Service Candidate is Justified
- Explaining How a Prescription for Reuse is Validated

Service Delivery

- Explaining and Performing Boundary Analysis of a Service by Scope
- Explaining and Performing Boundary Analysis of a Service by Architectural Classification
- Describing a Service Contract by Characteristic and by Content
- Explaining the Importance of Service Interface Design
- Describing the SOA Assets Generated as a Result of these Activities

Service-Oriented Integration

- Explaining How Service-Oriented Integration Differs from Traditional Integration Approaches
- Describing Principles that Should be Met by Any Architecture that Supports a Service-Oriented Approach to Integration
- Describing the Development, Process, and Deployment Views of Service-Oriented Integration
- Using Service-Oriented Integration Patterns and Message Exchange Patterns to Identify Best Approaches for Integration Scenarios

SOA Governance

- Naming the Governance Disciplines and Describing Their Relationships
- Naming and Describing the Constituent Parts of the ITSO Unified Governance Reference Model
- Explaining the Reasons for, and Benefits of, SOA Governance
- Mapping SOA Governance to the ITSO Unified Governance Reference Model
- Applying SOA to the ITSO Unified Governance Continuous Improvement Loop
- Describing the Challenges of, SOA Organization Governance and the Importance of People to Addressing those Challenges