



Introduction to SOA & Web Services

Aims

This course is designed to provide a basic introduction to service oriented architecture and web services. The basic concepts of SOA are provided in a manner that can be consumed by executive and technical audiences alike. Organizations will benefit by an understanding of the broad concepts of SOA and the issues and benefits found as firms make their journey to the Service Oriented Enterprise.

Objectives:

- < Develop an understanding of SOA concepts
- < Understand the benefits of pursuing an SOA approach
- < Develop an awareness of the impact of SOA on IT
- < Learn about typical SOA adoption patterns
- < Understand the basics of Web Services

Audience:

This course is designed for all audiences who would like a basic introduction to service oriented architecture and web services. The basic concepts of SOA are provided in an easily consumable format to provide a landscape of understanding.

Prerequisites:

- None

Duration:

½ day

Outline:

1. Introducing SOA

- SOA definition and brief explanation
- Loose coupling
- Additional principles of service orientation
- Service oriented vs. object oriented
- From monolithic systems to service networks
- The value of process-driven services
- Web services technologies
- The relationship between SOA and web services
- Service types

2. Understanding Web Services

- Web service definition
- Standards and interoperability
- When to use web services
- The basic elements

- Introduction to XML and XML Schema
- What is WSDL?
- Anatomy of a WSDL file
- An introduction to Policy

3. The Service Oriented Enterprise

- What is the service oriented enterprise?
- Business strategy drives the SOA effort
- The SOA roadmap
- Modernizing the organization and people
- Reviewing the application portfolio
- Defining the SOA governance program
- Upgrading the Analysis and Design methods
- Upgrading the SOA Reference Architecture
- Leveraging SOA architectural patterns
- Adoption challenges
- Success stories