SETC Training Corporate Logo

Java Training: SOA Concepts, Design & Implementation (JAV302, 4 jours)

Description

The course SOA Concepts, Design & Implementation (Java Training) discusses every aspect of the planning, design and implementation of a Service Oriented Architecture (SOA) with Java. The course covers XML technologies (XML, DOM , SAX ,JAX, etc.) with a view to understanding design & implementation considerations in an SOA context. This is followed by a practical exploration of Web Service technologies and their use in Java. Technologies such as JAX-WS, client scripting, AJAX & REST are studied. This course provides participants with a complete, end to end, exploration of the design & implementation of an SOA architecture in Java.

Tarifs

- Tarification: $3,750/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

Plan de cours

Overview of SOA

- Client- vs. Server-Side Technologies
- Distributed Applications: Technology and Infrastructure
- Web Applications: Technology and Infrastructure
- SGML, HTML, XHTML, and XML
- The Need for XML
- SOA Advantages and Disadvantages
- A Note on ITIL V3 and SOA
- Key Concepts: From Repositories to Interfaces
- Key Technologies: SOAP and UDDI
- The World of SOAP: Versions and Features
- From Client Code to Service: The Communications Process

XML Technology Essentials

- The Role of XML in Web Service Communications
- How XML Works
- Well Formed XML Documents
- Well-Formed XML Summary
- Document Validation Basics
- Purpose and Design of XML Schemas
- Schema Document Basics
- Schema Namespaces
- XSD Schemas
- Schema Data Types: Simple and Complex
- Using Element Groups
- Attribute Groups
- Creating Custom Data Types
- Schema Comments
- Importing Schemas
- Linking the XML Document to a Schema
- Understanding SOAP Documents
- Deciphering WSDL

AJAX Overview
The XMLHttpRequest Object - AJAX
Understanding REST
Implementing REST with JAX-WS
RESTful Web Services using JAX-RS
A Forum on Web Service Technology