

WEB SERVICES TESTING

Web Services and SOA Concepts

- Web Service Architecture
- Basic SOA and Web service Terminology
- Why Web services? Advantages or Features
- Challenges In Web services.
- Types of web services
- SOAP
- What is WSDL?
- Why Get Into the WSDL?
- WSDL in Context
- WSDL Document Structure
- Main Structure of a WSDL Document
- WSDL Details
- WSDL Example
- WSDL Operation Types
- WSDL Bindings
- About UDDI
- What is Service-oriented Architecture?
- Why SOA?
- Basic SOA Terminology
- -Service Providers
- -Service Consumers
- -Service Repository(Broker)
- SOA Testing Methodology
- SOA test challenges

Web services Testing

- Testing Differences and Challenges
- Diff b/w web application and web service applications
- Testing Environment
- Importance of Integration
- Frequent Business and Application Changes
- Explanation for design of SOAP Style and RESTFULL web service
- What are the major roles of ESB in SOA Testing
- How we start web service testing
- Web services Test Lifecycle

Working with SoapUI / SoapUI Pro

- Adding Projects to Workspace
- Interfaces, Operations
- Request and response
- TestSuites
- TestCases

Validations

- SOAP/Not-SOAP
- Contains/Not Contains
- SOAP fault/Not-SOAP fault
- Response SLA
- XPath match
- XQuery match
- JDBC Timeout / JDBC Status
- Schema Compliance
- Message content

Functional Testing

- TestRequests
- Properties
- Property transfer
- Mock response
- Manual TestStep
- Datasource (Pro)
- Datasource Loop (Pro)
- DataSink (Pro)
- DataGen (Pro)
- JDBC Request
- Assertion TestStep (Pro)

Data Driven Testing (Pro)

- Data-Driven through Grid, DB, EXCLE

Property transfer

Mock Services

Reporting (Pro)

REST Services

Load / Performance Test

Real time scenarios - Services Testing

Job Oriented Guidance

After the Course

1. Resume Preparation
2. Guidance to apply jobs
3. Written Test
4. Mock Interviews
5. Placement Assistance till you find a Job