

Introduction

- Web Service Architecture
- Web Services Concepts
- Types of web services
- SOAP
- WSDL
- UDDI
- What is Service-oriented Architecture?
- Why SOA?
- SOA Testing Methodology
- SOA test challenges

Setting up SOAP UI

- Installing SoapUI
- Setup of SoapUI
- Installation of SoapUI pro
- Setup of SoapUI pro

Working With SOAP UI Tool

- Creating Workspace
- Adding projects to Workspace
- Creating Project/Importing Project
- Creating Requests for project operations
- Creating Test Suites
- Creating Test Cases
- Creating Test Steps
- Wsdl project

More Details About SOAP

- Soap Usage

- Soap message structure
- Soap detailed explanation
- Soap encoding rules
- SOA examples

More Details About WSDL

- WSDL usage
- WSDL doc structure
- WSDL examples
- Request , Response

Data Driven Testing

- DataSource
- DataSourceLoop
- DataSink

Assertions, XPATH, & Loops

- Conditional Goto
- Assertions in SoapUI
- Assertion - Contains & Not contains
- Xpath match
- SOAP/Not-SOAP
- Contains/Not Contains
- Response SLA
- XPath match
- JDBC Timeout / JDBC Status

Clients

- Post Man - chrome browser plugin for rest services
- SOA Client - Firefox browser plugin for soap services
- Boomerang - Soap & Rest Client

Alternatives for SOAP UI Tool using Open source libraries

- HTTP Client - for Restful web service
- Apache Axis2 - for Soap web service