

## 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

## Resume Preparation & Placement Assistance

### Future Q Technologies