

Web Services in Java

1 *Introduction*

- Browsing the Internet
- Web Service architecture
- Benefits of Web Services
- Program a HelloWorld Web Service
- Host a Web Service
- Verify a Web Service
- Test a Web Service with SOAPUI
- Create a Web Service Client
- Run a Web Service Client

2 *SOAP*

- Examples of SOAP messages
- Mapping SOAP to HTTP
- SAAJ Client

3 *Web Service Description Language (WSDL)*

- WSDL structure
- WSDL Interface
- WSDL Implementation

4 A Sample Web Service Application

- A Sample application
- Develop a Web Service
- Deploy Web Services
- Check WSDL and XSD
- Test Web Services with SOAPUI
- Develop a Web Service Consumer

5 Apache CXF and Tomcat Server

- Configuration Parameters
- Apache Tomcat Server
- Develop CXF Web Service
- Deploy the Service
- Testing services with SOAPUI
- Develop a Web Service Consumer

6 Apache CXF and Oracle WebLogic Server

- Oracle WebLogic Server 12
- Deployment Diagram
- Creating a WebLogic Domain
- Deploy the Web Service
- Test CXF Web Service with WebLogic Test Tools
- Run the Client Application