

About Web Services

Web Services is a Distributed Technology which achieves Interoperability (portability) across different technologies such as JAVA, .NET, Angular JS, etc. It provides a standardized way of interacting applications using XSD, SOAP, WSD, HTTP and UDDI. In Web Services there are two different types of architectural styles such as SOAP and REST.

What Will You Learn?

- XSD, SOAP, WSDL, HTTP
- AXIS2 API
- JAXB
- RESTful Web Services
- JAX-RS API
- SPRING with REST API
- JAX-WS 2.0
- APACHE CXF Framework

Pre-Requisites

- Core Java

Curriculum

- **INTRODUCTION**

Day 01: Web Services vs Old Technologies	30 min
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Day 01: Architecture	30 min
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- **XML Schema**

Day 02: XSD vs DTD	20 min
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Day 02: XML Schema	20 min
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Day 02: XML Message	20 min
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Day 03: Simple Types	20 min
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Day 03: Complex Types	30 min
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Day 03: Indicators	10 min
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• SOAP	
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Day 04: Introduction	20 min
Day 04: Data Flow	10 min
Day 04: Basic Structure of SOAP	10 min
Day 04: SOAP Header	10 min
Day 04: SOAP Body	10 min
Day 05: Document/Literal	20 min
Day 05: RPC/Literal	20 min
Day 05: SOAP Fault Codes	10 min
Day 05: SOAP over HTTP	10 min
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• WSDL	
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Day 06: Introduction	10 min
Day 06: Basic Structure Of WSDL	20 min
Day 06: wsdl:definitions	10 min
Day 06: wsdl:types	10 min
Day 06: wsdl:message	10 min
Day 07: wsdl:portType	20 min
Day 07: wsdl:binding	20 min
Day 07: wsdl:service	10 min
Day 07: Document vs RPC	10 min
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• AXIS2	
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Day 08: Installing AXIS2	30 min
Day 08: Top down approach with Document style	30 min
Day 09: Top down approach with Rpc style	20 min
Day 09: Bottom up approach	20 min
Day 09: SOAP UI	10 min
Day 09: TCP Monitor	10 min
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- **REST**

Day 10: REST vs SOAP	20 min
Day 10: HTTP Protocol	20 min
Day 10: HTTP Methods	10 min
Day 10: HTTP Status Codes	10 min
Day 11: Architectural Principles	1 hour

- **JAX-RS API**

Day 12: JAX-RS Annotations	1 hour
Day 13: JAXRS-JAXB	1 hour
Day 14: JAXRS-JSON	30 min
Day 14: JAX-RS Injection	30 min
Day 15: Response and Response Builder	10 min
Day 15: Exceptions	20 min
Day 15: RESTEasy, Jersey, Apache CXF	10 min
Day 15: Postman, Soap UI	20 min

- **SPRING with REST API**

Day 16: Spring Annotations	10 min
Day 16: Message Converters	10 min
Day 16: Application	30 min
Day 16: RestTemplate	10 min

- **JAXB**

Day 17: JAXB Architecture	10 min
Day 17: JAXB Annotations	10 min
Day 17: Standard JAXB Binding	20 min
Day 17: Customize JAXB Binding	20 min

- **APACHE CXF FRAMEWORK**

Day 18: Application	1 hour
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Course Info

- **Hours** : 18 hour
- **Duration** : 3 weeks [6 days per week]
- **Slot** : 6AM-7AM | 7AM-8AM | 8AM-9AM
- **Mode** : LIVE Online Training
- **Join** : Goto Meeting
- **Demo** : Day-1 & Day-2
- **Downloads** : Materials, Workspace, etc
- **Re Attend** : One time with-in 6 months.
- **Price** : 5,000 INR
- **Mail** : balaji@java2aspire.com
- **Mobile** : 7799208899 / 9885407683