

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 1: Web Services vs Old Technologies	30 min
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Day 1: Architecture	30 min
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- **XML Schema**

Day 1: XSD vs DTD	20 min
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Day 1: XML Schema	20 min
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Day 1: XML Message	20 min
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Day 1: Simple Types	20 min
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Day 1: Complex Types	30 min
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Day 1: Indicators	10 min
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• SOAP	
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Day 1: Introduction	20 min
Day 1: Data Flow	10 min
Day 1: Basic Structure of SOAP	10 min
Day 1: SOAP Header	10 min
Day 1: SOAP Body	10 min
Day 1: Document/Literal	20 min
Day 1: RPC/Literal	20 min
Day 1: SOAP Fault Codes	10 min
Day 1: SOAP over HTTP	10 min
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• WSDL	
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Day 1: Introduction	10 min
Day 1: Basic Structure Of WSDL	20 min
Day 1: wsdl:definitions	10 min
Day 1: wsdl:types	10 min
Day 1: wsdl:message	10 min
Day 1: wsdl:portType	20 min
Day 1: wsdl:binding	20 min
Day 1: wsdl:service	10 min
Day 1: Document vs RPC	10 min
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• AXIS2	
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Day 1: Installing AXIS2	30 min
Day 1: Top down approach with Document style	30 min
Day 1: Top down approach with Rpc style	20 min
Day 1: Bottom up approach	20 min
Day 1: SOAP UI	10 min
Day 1: TCP Monitor	10 min
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- **REST**

Day 2: REST vs SOAP	20 min
Day 2: HTTP Protocol	20 min
Day 2: HTTP Methods	10 min
Day 2: HTTP Status Codes	10 min
Day 2: Architectural Principles	1 hour

- **JAX-RS API**

Day 2: JAX-RS Annotations	1 hour
Day 2: JAXRS-JAXB	1 hour
Day 2: JAXRS-JSON	30 min
Day 2: JAX-RS Injection	30 min
Day 2: Response and Response Builder	10 min
Day 2: Exceptions	20 min
Day 2: RESTEasy, Jersey, Apache CXF	10 min
Day 2: Postman, Soap UI	20 min

- **SPRING with REST API**

Day 2: Spring Annotations	10 min
Day 2: Message Converters	10 min
Day 2: Application	30 min
Day 2: RestTemplate	10 min

- **JAXB**

Day 2: JAXB Architecture	10 min
Day 2: JAXB Annotations	10 min
Day 2: Standard JAXB Binding	20 min
Day 2: Customize JAXB Binding	20 min

- **APACHE CXF FRAMEWORK**

Day 2: Application	1 hour
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Course Info

- **Hours** : 18 hour
- **Duration** : 2 Days [Saturday & Sunday]
- **Slot** : 9AM-7PM
- **Mode** : Classroom Training
- **Join** : Hyd | Bglr | Pune
- **Demo** : 2 Hours After Registration
- **Downloads** : Materials, Workspace, etc
- **Re Attend** : One time with-in 6 months.
- **Price** : Contact us
- **Mail** : info@java2aspire.com
- **Mobile** : 7799108899 / 7799208899