Introduction to Java Web Services 2.0 (SOAP & REST)

Lesson 00

People matter, results count.

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Document History

Date	Course Version No.	Software Version No.	Developer / SME	Change Record Remarks
	1.0	2.0	Hema G	Created New Course
15-May-2016	2.0	2.0	Yukti A Valecha	Modified as per TOC for ELTP

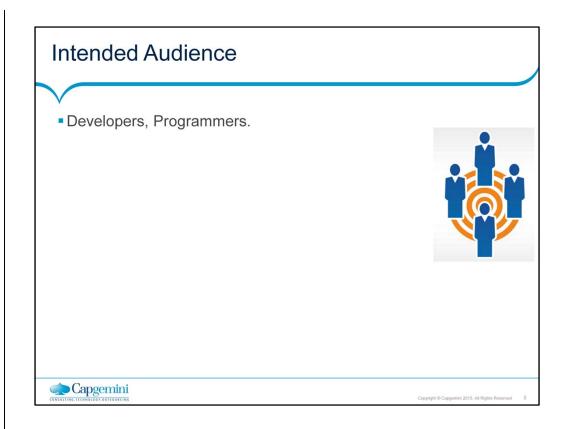**Capgemini**
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Course Goals and Non Goals

- Course Goals
  - Learning core concepts of Java Web Services version 2.0
  - Developing applications using JWS2.0 API stack

- Course Non Goals
  - Developing Enterprise applications

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Pre-requisites

- Java 1.6 or higher
- Servlet/JSP
- HTML/XML
- Concepts of MVC framework
- Tools
  - Eclipse
  - Tomcat 6.0 or higher
  - Wildfly 8.0

Intended Audience

- Developers, Programmers.

Day Wise Schedule

- Day 1
  - Lesson 1: Introduction to Web Services
  - Lesson 2: Working with JAX-WS
  - Lesson 3: Working with JAX-RS

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- Lesson 1: Introduction to Web Services
  - 1.1. What are Web Services?
  - 1.2. HTTP and SOAP Messages
  - 1.3: Overview of JAX-WS and JAX-RS

- Lesson 2: Working with JAX-WS
  - 2.1 Overview
  - 2.2 Creating JAX-WS web service
  - 2.3 Consuming web service

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- Lesson 3: Working with JAX-RS
  - 3.1 What is REST?
  - 3.2 Working with JAX-RS
  - 3.3 JAX-RS Annotations
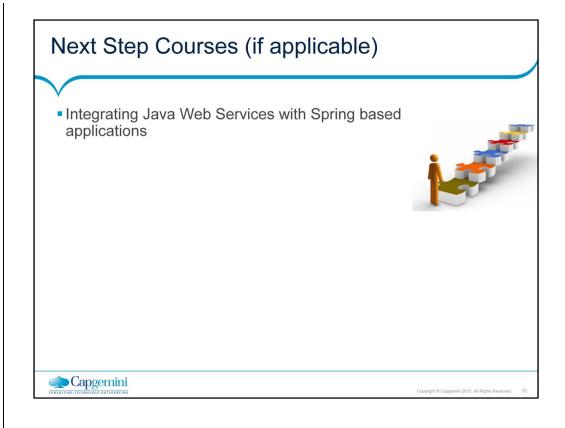 - 3.4 Creating JAX-RS web service
  - 3.5 Consuming Restful service

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References

- RESTful Java Web Services by Jose Sandoval
- https://docs.oracle.com/javaee/6/tutorial/doc/giepu.html
- https://docs.oracle.com/javaee/6/tutorial/doc/bnayl.html
- http://www.service-architecture.com/articles/web-services/web_services_explained.html

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Next Step Courses (if applicable)

- Integrating Java Web Services with Spring based applications

Other Parallel Technology Areas

- Web services are often compared to remote procedure call
- Web services can also be mapped to CORBA

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