POSITIVE QUADRANT TECHNOLOGIES
SERVING INFORMATION WORLDWIDE

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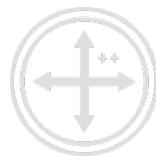# WebServices

POSITIVE QUADRANT
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Programming & development

Course Curriculum

![Positive Quadrant Technologies logo]

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WebServices Development using Java - JAX-RS 30 Hours

Contents-

REST
1. **What is REST and REST Architecture and REST Constraints**

2. **JAX-RS & Jersey Hello World Example**

3. **Overview of a JAX-RS Application**

4. **Using @Consumes and @Produces to Customize Request and Response**

5. **Annotations for Field and Bean Properties of Resource Classses**

Working with JSON

Create a RESTful Java client to perform "GET" and "POST" request to manipulate json data.
1. **RESTful Web Services with Jersey JAX-RS JSON on Tomcat**

RESTful Java clients

Create a RESTful Java client to perform "GET" and "POST" request to manipulate json data.
1. **Create RESTful Java Client With Jersey Client Example**

Working with XML

XML support in JAX-RS.
1. **Using JAX-RS With JAXB**
2. **RESTful Web Services with Jersey JAX-RS using XML on Tomcat**

Course Practicals.
1. **JAX-RS @Path URI matching example**

2. **JAX-RS @PathParam example**

    Simple way to inject URI parameter that defined in @Path into Java method.
3. **JAX-RS @QueryParam example**

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Example to get query paremeter in URI path, and also how to define an optional paramater.

4. **JAX-RS @MatrixParam example**

Example to get matrix parameters in URI path.

5. **JAX-RS @FormParam example**