

RESTful Services / Rest APIs as a Spring Boot Developer

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Web Application : Spring MVC ==> C to B Application

B to B Application (Distributed Application)

Customers/End User <====> B(Telusko -- Courses) <====> B(RazorPay/PayPal)

(UI) END User <-HTML, CSS, JSP, JSTL, Thymleaf-> Business Logic <-XML/JSON-> Business Logic

B to B ==> Distributed Enterprise App ==> REST Apis

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Technologies ==> To Develop Distributed Enterprise App

a) CORBA

b) RMI

c) EJB

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d) Webservices(SOAP==> XML)

e) RESTful services ==> Spring REST

WSI==> Webservices interoperability ==> B.P.1.0 Specification (BP==> Basic Profile)

SunMic==> JAX-RPC ==API==> Interoperability ==> B to B is easy irrespective of languages and tech

After B.P.1.0 success ==> B.P.1.1 ==> Java(Sun) ==> JAX-WS

B to B ==> 2 ways webservices

a) JAX - RPC ==> Sun Implementation, Apache AXIS, IBM WebSphere, Oracle Web logic

b) JAX - WS ==> Apache AXIS2, Oracle Web logic

JAX ==> Java API for XML ==> B to B through XML ==> Interoperability

If we develop Web services using JAX -RPC/WS then that webservice is called as "SOAP Based Webservices"

App1 (Java) <==XML==> App2(Python) (Webservice) ==> SOAP Webservices

Roy Fielding ==> Loop holes, problems , limitations B.p1.1 specifications/Principles

==> JAX-RS ==> Java API for RESTful services)

==> Jersey Implementation (Sun/Oracle)

==> Rest Easy Implementation (Jboss)

==> Spring REST

==> RESTful services /XML + JSON

(Own principles == RESTful services == REST API)

App1(Java) <==JSON==> App2(Python) ==> RESTful services ==Rest APIs