## Contract Last Web Service using Spring Boot & Apache CXF

1. Creating a new Spring Boot Project

Choose following starters:

Web, Web Services

2. Open POM.XML add few more dependencies (Apache CXF):

<dependency>

<groupId>org.apache.cxf</groupId>

<artifactId>cxf-spring-boot-starter-jaxws</artifactId>

<version>3.1.17</version>

</dependency>

3. Modify Spring boot starter version number to 2.0.0

<parent>

<groupId>org.springframework.boot</groupId>

<artifactId>spring-boot-starter-parent</artifactId>

<version>2.0.0.RELEASE</version>

<relativePath/>

</parent>

4. Create new Class “GreetingService”

@WebService(serviceName="greetings")

**public** **class** GreetingService {

@WebMethod

**public** String greet() {

**return** "Hello World";

}

}

4. Create new Web Service Configuration class:

New Class : “WsConfig”

**import** javax.xml.ws.Endpoint;

**import** org.apache.cxf.Bus;

**import** org.apache.cxf.bus.spring.SpringBus;

**import** org.apache.cxf.jaxws.EndpointImpl;

**import** org.apache.cxf.transport.servlet.CXFServlet;

**import** org.springframework.beans.factory.annotation.Autowired;

**import** org.springframework.boot.web.servlet.ServletRegistrationBean;

**import** org.springframework.context.annotation.Bean;

**import** org.springframework.context.annotation.Configuration;

@Configuration

**public** **class** WsConfig {

@Bean

**public** ServletRegistrationBean<CXFServlet> dispatcherServlet() {

**return** **new** ServletRegistrationBean<CXFServlet>

(**new** CXFServlet(), "/services/\*");

}

@Bean(name = Bus.***DEFAULT\_BUS\_ID***)

**public** SpringBus springBus() {

SpringBus = **new** SpringBus();

**return** springBus;

}

@Bean

**public** Endpoint endpoint() {

EndpointImpl endpoint

= **new** EndpointImpl(springBus(), **new** GreetingService());

endpoint.publish("/greetings");

**return** endpoint;

}

}

5. Run Application and visit URL:

http://localhost:8080/services/greetings?wsdl