POM.xml

---------------------------------------------------------------------------------

PER TUTTI

cambia artifactId (nome del proj)

<?xml version="1.0" encoding="UTF-8"?>

<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">

<modelVersion>4.0.0</modelVersion>

<groupId>it.uniroma1</groupId>

<artifactId>gRPCExampleServer</artifactId>

<version>1.0-SNAPSHOT</version>

<packaging>jar</packaging>

<properties>

<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>

<maven.compiler.source>1.8</maven.compiler.source>

<maven.compiler.target>1.8</maven.compiler.target>

</properties>

<pluginRepositories>

<pluginRepository>

<id>central</id>

<name>Central Repository</name>

<url>https://repo.maven.apache.org/maven2</url>

<layout>default</layout>

<snapshots>

<enabled>false</enabled>

</snapshots>

<releases>

<updatePolicy>never</updatePolicy>

</releases>

</pluginRepository>

</pluginRepositories>

<repositories>

<repository>

<id>central</id>

<name>Central Repository</name>

<url>https://repo.maven.apache.org/maven2</url>

<layout>default</layout>

<snapshots>

<enabled>false</enabled>

</snapshots>

</repository>

</repositories>

<dependencies>

</dependencies>

PLUGIN PER JAR VA SOLO NEL SERVICE, OCCHIO A MAIN CLASS

<build>

<plugins>

<plugin>

<groupId>org.apache.maven.plugins</groupId>

<artifactId>maven-assembly-plugin</artifactId>

<executions>

<execution>

<phase>package</phase>

<goals>

<goal>single</goal>

</goals>

<configuration>

<archive>

<manifest>

<mainClass>

it.uniroma1.test1.Main

</mainClass>

</manifest>

</archive>

<descriptorRefs>

<descriptorRef>jar-with-dependencies</descriptorRef>

</descriptorRefs>

</configuration>

</execution>

</executions>

</plugin>

</plugins>

</build>

</project>

---------------------------------------------------------------------------------------------

GRPC Service E Client

<dependency>

<groupId>io.grpc</groupId>

<artifactId>grpc-netty</artifactId>

<version>1.16.1</version>

</dependency>

<dependency>

<groupId>io.grpc</groupId>

<artifactId>grpc-protobuf</artifactId>

<version>1.16.1</version>

</dependency>

<dependency>

<groupId>io.grpc</groupId>

<artifactId>grpc-stub</artifactId>

<version>1.16.1</version>

</dependency>

<dependency>

<groupId>javax.annotation</groupId>

<artifactId>javax.annotation-api</artifactId>

<version>1.2</version>

</dependency>

dentro build prima di plugins (era 1.6.1)

<extensions>

<extension>

<groupId>kr.motd.maven</groupId>

<artifactId>os-maven-plugin</artifactId>

<version>1.1.2</version>

</extension>

</extensions>

plugin che fa creare stub e altro a partire dal proto

<plugin>

<groupId>org.xolstice.maven.plugins</groupId>

<artifactId>protobuf-maven-plugin</artifactId>

<version>0.6.1</version>

<configuration>

<protocArtifact>

com.google.protobuf:protoc:3.3.0:exe:${os.detected.classifier}

</protocArtifact>

<pluginId>grpc-java</pluginId>

<pluginArtifact>

io.grpc:protoc-gen-grpc-java:1.4.0:exe:${os.detected.classifier}

</pluginArtifact>

</configuration>

<executions>

<execution>

<goals>

<goal>compile</goal>

<goal>compile-custom</goal>

</goals>

</execution>

</executions>

</plugin>

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JMS Publisher e Subscriber

<dependency>

<groupId>org.apache.activemq</groupId>

<artifactId>activemq-all</artifactId>

<version>5.15.6</version>

</dependency>

--------------------------------------------------------------------------------------------

SOAP Service

<dependency>

<groupId>org.slf4j</groupId>

<artifactId>slf4j-api</artifactId>

<version>1.6.6</version>

</dependency>

<dependency>

<groupId>org.slf4j</groupId>

<artifactId>slf4j-simple</artifactId>

<version>1.6.6</version>

</dependency>

<dependency>

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

<artifactId>cxf-rt-frontend-jaxws</artifactId>

<version>3.2.6</version>

</dependency>

<dependency>

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

<artifactId>cxf-rt-transports-http-jetty</artifactId>

<version>3.2.6</version>

</dependency>

<!-- https://mvnrepository.com/artifact/org.codehaus.mojo/exec-maven-plugin -->

FORSE (e occhio a main class)

<plugin>

<groupId>org.codehaus.mojo</groupId>

<version>1.6.0</version>

<artifactId>exec-maven-plugin</artifactId>

<configuration>

<mainClass>it.sapienza.softeng.soapws.Server</mainClass>

</configuration>

</plugin>

-----------------------------------------------------------------------------------------

SOAP Client

<dependency>

<groupId>com.sun.xml.ws</groupId>

<artifactId>rt</artifactId>

<version>2.3.1</version>

</dependency>

<dependency>

<groupId>javax.xml.bind</groupId>

<artifactId>jaxb-api</artifactId>

<version>2.3.1</version>

</dependency>

<!-- https://mvnrepository.com/artifact/javax.jws/javax.jws-api -->

<dependency>

<groupId>javax.jws</groupId>

<artifactId>javax.jws-api</artifactId>

<version>1.1</version>

</dependency>

PLUGIN CORE (!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!cambia wsdUrl e packageName volendo)

<plugin>

<groupId>org.codehaus.mojo</groupId>

<artifactId>jaxws-maven-plugin</artifactId>

<version>2.6</version>

<executions>

<execution>

<id>wsimport-from-jdk</id>

<goals>

<goal>wsimport</goal>

</goals>

</execution>

</executions>

<configuration>

<wsdlUrls>

<wsdlUrl>http://localhost:8080/WSInterface?wsdl</wsdlUrl>

</wsdlUrls>

<keep>true</keep>

<packageName>soapwsclient.generated</packageName>

<sourceDestDir>src/main/java</sourceDestDir>

</configuration>

</plugin>

---------------------------------------------------------------------------------------------

REST Service NO JSON

<dependency>

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

<artifactId>cxf-rt-frontend-jaxrs</artifactId>

<version>3.3.6</version>

</dependency>

<dependency>

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

<artifactId>cxf-rt-transports-http-jetty</artifactId>

<version>3.3.6</version>

</dependency>

OCCHIO A MAIN CLASS !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

<plugin>

<groupId>org.codehaus.mojo</groupId>

<version>1.6.0</version>

<artifactId>exec-maven-plugin</artifactId>

<configuration>

<mainClass>it.sapienza.softeng.rest.APIServer</mainClass>

</configuration>

</plugin>

-----------------------------------------------------------------------------------------------

REST Client NO JSON

<dependency>

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

<artifactId>cxf-rt-frontend-jaxrs</artifactId>

<version>3.1.7</version>

</dependency>

<dependency>

<groupId>org.apache.httpcomponents</groupId>

<artifactId>httpclient</artifactId>

<version>4.5.2</version>

</dependency>

------------------------------------------------------------------------------------------------

REST Service CON JSON

<dependency>

<groupId>com.fasterxml.jackson.dataformat</groupId>

<artifactId>jackson-dataformat-xml</artifactId>

<version>2.9.0</version>

</dependency>

<dependency>

<groupId>com.fasterxml.jackson.jaxrs</groupId>

<artifactId>jackson-jaxrs-json-provider</artifactId>

<version>2.10.3</version>

</dependency>

<dependency>

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

<artifactId>cxf-rt-frontend-jaxrs</artifactId>

<version>3.3.6</version>

</dependency>

<dependency>

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

<artifactId>cxf-rt-transports-http-jetty</artifactId>

<version>3.3.6</version>

</dependency>

OCCHIO A MAIN CLASS !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

<plugin>

<groupId>org.codehaus.mojo</groupId>

<version>1.6.0</version>

<artifactId>exec-maven-plugin</artifactId>

<configuration>

<mainClass>it.sapienza.softeng.complexrestservice.Server</mainClass>

</configuration>

</plugin>

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REST Client CON JSON (JSON Client)

<dependency>

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

<artifactId>cxf-rt-frontend-jaxrs</artifactId>

<version>3.1.7</version>

</dependency>

<dependency>

<groupId>com.fasterxml.jackson.jaxrs</groupId>

<artifactId>jackson-jaxrs-json-provider</artifactId>

<version>2.10.3</version>

</dependency>

<dependency>

<groupId>org.apache.httpcomponents</groupId>

<artifactId>httpclient</artifactId>

<version>4.5.2</version>

</dependency>

<dependency>

<groupId>com.fasterxml.jackson.dataformat</groupId>

<artifactId>jackson-dataformat-xml</artifactId>

<version>2.9.0</version>

<type>jar</type>

</dependency>

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DATABASE (solo sui Service se Client non lo usa)

<dependency>

<groupId>org.xerial</groupId>

<artifactId>sqlite-jdbc</artifactId>

<version>3.28.0</version>

</dependency>

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