

Apache CXF JAX-RS

- <http://cxf.apache.org/docs/jax-rs.html>
- [Apache CXF+Spring による Web サービス開発 \(JAX-RS 編 \)](#)
 - <http://opensquare.jp/blog/?p=1108>

手順のまとめ

- [SpringSource Tool Suite を使って Apache CXF による REST サービスを作成する](#)

Memo

Maven dependencies

- <http://mvnrepository.com/artifact/org.apache.cxf/cxf-rt-frontend-jaxrs/2.4.1>

```
<dependency>
<groupId>org.apache.cxf</groupId>
<artifactId>cxf-rt-frontend-jaxrs</artifactId>
<version>2.4.1</version>
</dependency>
```

Web.xml

- <http://cxf.apache.org/docs/jaxrs-services-configuration.html#JAXRSServicesConfiguration-web.xml>

Spring ContextLoaderListener

```
<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE web-app
PUBLIC "-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"
"http://java.sun.com/dtd/web-app_2_3.dtd">
<web-app>
  <context-param>
    <param-name>contextConfigLocation</param-name>
    <param-value>WEB-INF/beans.xml</param-value>
  </context-param>

  <listener>
    <listener-class>
      org.springframework.web.context.ContextLoaderListener
    </listener-class>
  </listener>

  <servlet>
    <servlet-name>CXFServlet</servlet-name>
    <display-name>CXF Servlet</display-name>
    <servlet-class>
      org.apache.cxf.transport.servlet.CXFServlet
    </servlet-class>
    <load-on-startup>1</load-on-startup>
  </servlet>

  <servlet-mapping>
    <servlet-name>CXFServlet</servlet-name>
    <url-pattern>/*</url-pattern>
  </servlet-mapping>
</web-app>
```

beans.xml

```

<?xml version="1.0" encoding="UTF-8"?>
<beans xmlns="http://www.springframework.org/schema/beans"
  xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xmlns:jaxrs="http://cxf.apache.org/jaxrs"
  xsi:schemaLocation="
http://www.springframework.org/schema/beans
http://www.springframework.org/schema/beans/spring-beans.xsd
http://cxf.apache.org/jaxrs
http://cxf.apache.org/schemas/jaxrs.xsd">

  <!-- do not use import statements if CXFServlet init parameters link to this beans.xml -->

  <import resource="classpath:META-INF/cxf/cxf.xml" />
  <import resource="classpath:META-INF/cxf/cxf-servlet.xml" />

  <jaxrs:server id="customerService" address="/service1">
    <jaxrs:serviceBeans>
      <ref bean="customerBean" />
    </jaxrs:serviceBeans>
  </jaxrs:server>

  <bean id="customerBean" class="demo.jaxrs.server.CustomerService" />
</beans>

```

CXFServlet init parameters

```

<?xml version="1.0" encoding="ISO-8859-1"?>
<!DOCTYPE web-app
  PUBLIC "-//Sun Microsystems, Inc.//DTD Web Application 2.3//EN"
  "http://java.sun.com/dtd/web-app_2_3.dtd">
<web-app>
  <servlet>
    <servlet-name>CXFServlet1</servlet-name>
    <display-name>CXF Servlet1</display-name>
    <servlet-class>
      org.apache.cxf.transport.servlet.CXFServlet
    </servlet-class>
    <init-param>
      <param-name>config-location</param-name>
      <param-value>/WEB-INF/beans1.xml</param-value>
    </init-param>
    <load-on-startup>1</load-on-startup>
  </servlet>

  <servlet>
    <servlet-name>CXFServlet2</servlet-name>
    <display-name>CXF Servlet2</display-name>
    <servlet-class>
      org.apache.cxf.transport.servlet.CXFServlet
    </servlet-class>
    <init-param>
      <param-name>config-location</param-name>
      <param-value>/WEB-INF/beans2.xml</param-value>
    </init-param>
    <load-on-startup>1</load-on-startup>
  </servlet>

  <servlet-mapping>
    <servlet-name>CXFServlet1</servlet-name>
    <url-pattern>/1/*</url-pattern>
  </servlet-mapping>

  <servlet-mapping>
    <servlet-name>CXFServlet2</servlet-name>
    <url-pattern>/2/*</url-pattern>
  </servlet-mapping>
</web-app>

```

DataBinding

- <http://cxf.apache.org/docs/jax-rs-data-bindings.html>