



XFire: The Tool for Easy Web Service Development

Tampa Java User Group
June 27, 2006



Simple and Easy

- Web Services De-mystified
- High Performance
- XML Configuration
- Java Business Integration (JBI) Support
- POJO's, JAXB 1.1, JAXB 2.0, Spring, XML Beans, Castor Support



Pros and Cons

- Pros
 - Simple and Easy
 - XML Configuration
 - Container Independent*
- Cons
 - RPC/Encoded Type Not Supported
 - Heavy Dependencies
 - Bleeding Edge
 - Lacks Documentation

*Weblogic and Websphere need a special setup



How Easy Is It?

- Here Is How Easy It Is:
 - Create an Interface: MyService.java
 - Create an Implementation Class: MyServiceImpl.java
 - A Configuration File: services.xml
 - XFire setup: Add Servlet and Mapping to web.xml
 - Deploy Application with .jar Dependencies



HelloService.java

```
public interface HelloService {  
  
    public String hello(String request);  
  
}
```



HelloServiceImpl.java

```
public class HelloServiceImpl implements HelloService {  
  
    public String hello(String name){  
        return "Hello " + name;  
    }  
  
}
```



services.xml

```
<service>  
  <name>HelloService</name>  
  <namespace>http://service.thejavajar.com/HeloService</namespace>  
  <serviceClass>com.thejavajar.service.HelloService</serviceClass>  
  <implementationClass>  
    com.thejavajar.service.HeloServiceImpl  
  </implementationClass>  
</service>
```



web.xml

```
<servlet>
  <servlet-name>XFireServlet</servlet-name>
  <display-name>XFire Servlet</display-name>
  <servlet-class>
    org.codehaus.xfire.transport.http.XFireConfigurableServlet
  </servlet-class>
  <init-param>
    <param-name>config</param-name>
    <param-value>conf/xfire/services.xml</param-value>
  </init-param>
</servlet>

<servlet-mapping>
  <servlet-name>XFireServlet</servlet-name>
  <url-pattern>/servlet/XFireServlet/*</url-pattern>
</servlet-mapping>

<servlet-mapping>
  <servlet-name>XFireServlet</servlet-name>
  <url-pattern>/services/*</url-pattern>
</servlet-mapping>
```



XFire Info

- Here is where to start:
 - <http://xfire.codehaus.org/>
- Code will be available on the Tampa Java User Group Site.
 - <http://www.tampajug.org>