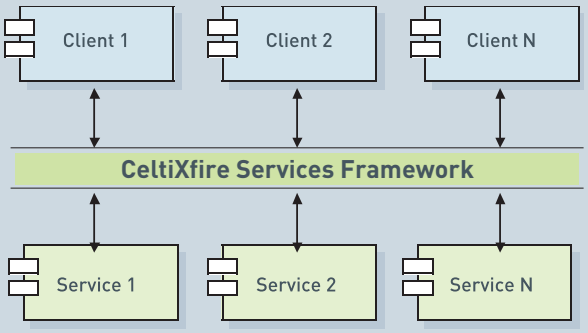
Apache CeltiXfire

Full Featured Web Services Framework

The goal of the Apache Incubator's CeltiXfire project is to deliver a high performance, fully featured services framework that is intuitive and easy to use. CeltiXfire will also implement important JCP and Web services standards. CeltiXfire simplifies the construction, integration, and flexible reuse of technical and business components using a standards-based, service-oriented architecture (SOA).

Using CeltiXfire, services are defined using WSDL contracts and are accessed using a number of different message formats (or bindings) and network protocols (or transports) including SOAP over HTTP, SOAP over JMS, XML over HTTP, and XML over JMS. CeltiXfire provides a pluggable architecture that supports both XML and non-XML type bindings in combination with any type of transport. CeltiXfire will also support several programming languages like JAX-WS, JBI, SCA, and CORBA services and is designed for flexible deployment in a variety of containers including Spring-based, JBI, SCA, Servlet and J2EE containers. The broad range of flexibility makes it possible to create and integrate Web services and legacy services using a single framework.

Users who are interested in getting started can download Celtix 1.0 today at ObjectWeb, and developers who want to get involved in its next generation can contribute to the CeltiXfire project in the Apache Incubator.



IONA Services and Support

IONA has significant expertise in SOA-based, large scale, mission-critical systems and combines the benefits of open source with the assurance of enterprise-level technical support. IONA provides a comprehensive set of services, support, and training to ensure success with open source. With IONA support and consulting, companies can build production-quality solutions for their organizations. Support packages range from entry-level offerings to enterprise support for mission-critical environments.

Learn more - www.iona.com/opensource/services

"Too often, end users of integration technology are forced to make large initial investments that do not align to the true needs of the enterprise or the project at hand. Many integration projects are intended to roll out incrementally, tackling problems and challenges in a systematic way. Technology solutions that offer this ability will be very attractive to organizations with integration requirements."

Massimo Pezzini, VP and Distinguished Analyst, AIM, Gartner Inc.

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Goals of CeltiXfire

Support for Multiple Standards

- JAX-WS, JAX-WSA, and JSR-181 and SAAJ
- SOAP 1.1, 1.2, WS-I BasicProfile, WS-Security, WS-Addressing, WS-RM and WS-Policy
- WSDL 1.1 and 2.0
- MTOM

Multiple Network Protocols (Transports) and Message Formats (Bindings)

- Built-in support for SOAP and XML over HTTP, JMS, and Jabber transports
- StAX-based streaming XML
- Extensible API to support additional bindings including CSV and fixed record length
- Data bindings include JAXB 2.0, XML Beans, Castor, and JiBX

Flexible Deployment

- Lightweight containers: deploy services in Apache Tomcat or Spring-based containers
- JBI integration: deploy as a service engine in a JBI container such as Apache Incubator's ServiceMix, Sun's OpenESB or ObjectWeb's Petals
- SCA integration: deploy in an SCA container such as Apache Incubator's Tuscany
- J2EE integration: deploy services in J2EE application servers such as Apache Geronimo, JOnAS, JBoss, WebLogic, and WebSphere
- Standalone Java client/server

Support for Multiple Programming Languages

- Full support for JAX-WS 2.0 client/server programming model
- JAX-WS 2.0 synchronous, asynchronous and one-way API's
- JAX-WS 2.0 Dynamic Invocation Interface (DII) API
- Support for wrapped and non-wrapped styles
- XML messaging API
- Support for JavaScript and ECMAScript 4 XML (E4X) - both client and server
- Support for CORBA with Yoko
- Support for SCA withTuscany
- Support for JBI with ServiceMix

Code Generation

- Java to WSDL
- WSDL to Java
- XSD to WSDL
- WSDL to XML
- WSDL to SOAP
- WSDL to service

IONA Open Source Leadership

IONA's leadership in open source projects, including the SOA Tools Project at Eclipse, and the company's portfolio of enterprise services and support offerings for open source initiatives demonstrate the company's commitment to open standards. For more than 15 years IONA has solved the most complex integration problems for the Global 2000 using standards-based, distributed technology.

IONA started as a pioneer of CORBA solutions, building standards-compliant technology, and fostering community collaboration in standards definition. IONA built the first generation of service-oriented architecture with standards-based CORBA technology in the 1990s, and has extended that heritage with its next generation enterprise service bus (ESB), Artix. Today IONA is extending its commitment to standards with its leadership in the open source community.

About Apache Software Foundation

The Apache Software Foundation (ASF) is a non-profit 501(c)(3) corporation, incorporated in Delaware, USA, in June of 1999. The ASF is a natural outgrowth of The Apache Group, a group of individuals that was initially formed in 1995 to develop the Apache HTTP Server.

The Apache Software Foundation provides support for the Apache community of open source software projects. The Apache projects are characterized by a collaborative, consensus based development process, an open and pragmatic software license, and a desire to create high quality software that leads the way in its field. Each project is managed by a self-selected team of technical experts who are active contributors to the project, according to whatever guidelines for collaborative development are best suited to that project.

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More information on CeltiXfire:
http://incubator.apache.org/projects/cxf.html
celtix.objectweb.org

More information on open source services:
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