

Apache CXF

Apache CXF is an open-source, fully featured Web services framework. It originated as the combination of two open-source projects: Celtix developed by IONA Technologies and XFire developed by a team hosted at Codehaus. These two projects were combined by people working together at the Apache Software Foundation and the new name **CXF** was derived by combining "*Celtix*" and "*XFire*".

The CXF key design considerations include:

- Clean separation of front-ends, like JAX-WS, from the core code.
- Simplicity with, for instance, the creation of clients and endpoints without annotations.
- High performance with minimum computational overhead
- Embeddable Web service component: example embeddings include Spring Framework and Geronimo.

CXF is often used with Apache ServiceMix, Apache Camel and Apache ActiveMQ in service-oriented architecture (SOA) infrastructure projects.

Apache CXF

Developer(s)	Apache Software Foundation
Stable release	3.2.4 / March 25, 2018
Written in	Java
Operating system	Cross-platform
Type	Web Services
License	Apache License 2.0
Website	cxf.apache.org

Contents

Features

See also

References

External links

Features

CXF includes a broad feature set, but it is primarily focused on the following areas:

- Web Services Standards Support:
 - SOAP
 - WS-Addressing
 - WS-Policy
 - WS-ReliableMessaging
 - WS-SecureConversation
 - WS-Security
 - WS-SecurityPolicy
- JAX-WS API for Web service development
 - Java-first support
 - WSDL-first tooling
- JAX-RS (JSR 339 2.0) API for RESTful Web service development
- JavaScript programming model for service and client development
- Maven tooling
- CORBA support
- HTTP, JMS and WebSocket transport layers
- Embeddable Deployment:

- [ServiceMix](#) or other [JBI](#) containers
- [Geronimo](#) or other [Java EE](#) containers
- [Tomcat](#) or other servlet containers
- [OSGi](#)
- Reference OSGi Remote Services implementation

See also

- The [Axis Web Services](#) framework
- [Apache Wink](#), a project in incubation with JAX-RS support
- [List of web service frameworks](#)

References

External links

- [Apache CXF website](#)
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