

# Project Status

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This page is meant to help keep track of the status of various portions of Apache CXF™.

## WEB SERVICES STANDARDS SUPPORT MODULES

CXF supports a variety of web service standards including SOAP, the WS-I Basic Profile, WSDL, WS-Addressing, WS-Policy, WS-ReliableMessaging, WS-Security, WS-SecurityPolicy, WS-SecureConversation, and WS-Trust.

Module	Filename
WS-Addressing	<code>cxf-rt-ws-addr-[version].jar</code>
WS-Policy	<code>cxf-rt-ws-policy-[version].jar</code>
WS-ReliableMessaging	<code>cxf-rt-ws-rm-[version].jar</code>
WS-Security, WS-SecurityPolicy, WS-SecureConversation, WS-Trust (client-side)	<code>cxf-rt-ws-security-[version].jar</code>
WS-MetadataExchange	<code>cxf-rt-ws-mex-[version].jar</code>

## FRONTEND PROGRAMMING MODULES

CXF supports a variety of "frontend" programming models.

Module	Filename
Javascript frontend	cxfrtfrontendjs-[version].jar
JAX-RS frontend	cxfrtfrontendjaxrs-[version].jar
JAX-WS frontend	cxfrtfrontendjaxws-[version].jar
Simple frontend	cxfrtfrontend-simple-[version].jar

## TRANSPORT MODULES

CXF includes its own transport abstraction layer to hide transport specific details from the binding and front end layers. Currently supported transports include: HTTP, HTTPs, HTTP-Jetty, HTTP-OSGI, Servlet, local, JMS, In-VM and many others via the Camel transport for CXF such as SMTP/POP3, TCP and Jabber.

Module	Filename
HTTP, Servlet	cxfrttransports-http-[version].jar
HTTP-Jetty	cxfrttransports-http-jetty-[version].jar
HTTP-OSGI	cxfrttransports-http-osgi-[version].jar
JBI (in CXF <2.5)	integration\cxfrttransports-jbi-[version].jar
JMS	cxfrtbindings-jbi-[version].jar
Local (In-VM)	cxfrttransports-local-[version].jar

## PROTOCOL BINDING MODULES

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Module	Filename	Notes
coloc	cxfrtbindings-object-[version].jar	CXF feature that allows automatic detection of when a client and a service are stuck on the same bus and then bypasses much of the interceptor chains during processing.

CORBA	cxfrtbindingscorba[version].jar	in CXF <3.3
HTTP	cxfrtbindingshttp[version].jar	
object	cxfrtbindingscoloc[version].jar	CXF feature that allows (when combined with the local transport), directly passing objects from client/server in the same bus without marshalling.
Pure XML	cxfrtbindingsxml[version].jar	
SOAP	cxfrtbindingssoap[version].jar	

## DATA BINDING MODULES

Data bindings implement the mapping between XML elements and Java objects. Data bindings convert data to and from XML, produce XML schema, and provide support for wsdl2java code generation. Not all data bindings support all of this functionality. At very least, a data binding must provide the data conversion.

Module	Filename
JAXB	cxfrt-databinding-jaxb-[version].jar
SDO	cxfrt-databinding-sdo-[version].jar

Aegis	cxf-rt-databinding-aegis-[version].jar
XMLBeans	cxf-rt-databinding-xmlbeans-[version].jar

## GENERAL MODULES

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Common Schemas	cxf-common-schemas-[version].jar
Common Utilities	cxf-common-utilities-[version].jar
Core	cxf-rt-core-[version].jar
Javadoc	cxf-api-[version].jar
Javascript	cxf-rt-javascript-[version].jar
JBİ Bindings (in CXF <2.5)	cxf-rt-bindings-jbi-[version].jar
JBİ (in CXF <2.5)	integration\cxf-integration-jbi-[version].jar
JCA	integration\cxf-integration-jca-[version].jar
JMX	cxf-rt-management-[version].jar
Manifest	cxf-manifest-[version].jar
Schema validation used for Aegis	cxf-wstx-msv-validation-[version].jar
Tooling	cxf-tools-*-[version].jar
XJC-Utills	cxf-xjc-[boolean,bug671,dv,ts]-[version].jar
Spring	CXF uses Spring by default

## OUTSTANDING MODULES

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<b>Module</b>	<b>Status</b>
JIBX	GSoC project not yet integrated into CXF, target: 2.4.0
WSDL 2.0	GSoC project just started
Castor	Not Started
WS-Atomic Transactions	Not Started
WS-Coordination	Not Started
WS-Eventing	Not Started
WS-BusinessActivity	Not Started
WS-Transfer	Not Started