



Web Services Framework *for C*

WSO2 Web Services Frameworks provide developers the infrastructure to create and consume Web services in their favorite scripting language. It is a comprehensive Web services enabler allowing developers to focus on processing business logic rather than on infrastructural aspects such as WSDLs and Qualities of Service (QoS) functionality.

Based on C, the frameworks extend support for other scripting languages such as PHP, C++, Perl, Spring, Ruby, Python and Jython. With just a few entries in the application context, WSO2 Web Services Framework users can now enjoy the benefits of SOA using Web services in their applications.

At the core of the Web Services Frameworks is Apache Axis2/C and related family of projects which implement WS-Security, WS-Reliability, WS-Addressing, WS-SecurePolicy, WS-ReliableMessaging and more.

WSO2 Web Services Framework for C

WSO2 Web Services Framework for C takes you one step closer to SOA enabling your enterprise with the most comprehensive Web services enabler for a variety of C and C++ based software systems. C language is widely regarded as the programming language of choice for implementing system software and software frameworks from operating systems to database management systems to programming languages. WSF/C provides you with comprehensive API and tooling support for implementing WS* enabled web services and clients to integrate your C based applications with other systems.

WSO2 WSF/C relieves you of the burden of having to integrate multiple software elements to build a comprehensive Web services stack as it is a package of widely used apache Axis2 brand of products with lots of value additions



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on top of it. It uses popular open source projects such as Apache Axis2/C, Apache Rampart/C, Apache Sandesha2/C and Apache Savaan/C. It also provides you with the luxury of using a well tested software framework, both for functionality as well as for interoperability, for embedding in your C or C++ software stacks to provide and consume Web Services. Comprehensive and thorough coverage of WS-* features including the support for enterprise grade security allows you to use WSO2 WSF/C for enterprise applications.

WSO2 Web Services Framework includes:

- ▶ Support for key WS-* specifications
- ▶ Provides base communication functionality in SOAP, XML, JSON and other message formats carried over various transports including HTTP, SMTP, XMPP and TCP
- ▶ Interoperability with .Net and JEE implementations
- ▶ Support for high availability deployments

WSO2 Web Services Framework for C includes:

Includes WSDL2C

- ▶ WSDL2C (code generation tool), tcpmon (soap message viewer) , and wsclient (command line web service client)

Comprehensive Support

- ▶ Only C Web Services Stack with comprehensive support for WS Security, WS-Security policy, WS-Secure Conversation and WS-Reliable Messaging.

Runtime management

- ▶ using WSO2 Carbon based Web Interface

WSO2 Web Services Framework *for C* in Action

