

# **Developing Web Services with Apache CXF and Axis2**

By

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# Foreword

## Learn web services and Apache CXF and Axis2 easily

If you'd like to learn how to create web services (in particular, using Apache CXF or Axis2) and make some sense of various standards like JAX-WS, JAX-RS, JAXB, SOAP, WSDL, REST, MTOM, WS-Security, WS-Policy, XML Encryption and XML Signature, then this book is for you. Why?

- It has a tutorial style that walks you through in a step-by-step manner.
- It is concise. There is no lengthy, abstract description.
- Many diagrams are used to show the flow of processing and high level concepts so that you get a whole picture of what's happening.
- It contains working code.
- The first 46 pages are freely available on <http://www.agileskills2.org>. You can judge it yourself.

## Content highlights in this book

This book covers the following topics not commonly found in other books on Java web services:

- How to work with both Apache CXF 2.2.x and Axis2 1.5.x.
- How to use caching to create scalable RESTful web services.
- How to encrypt and sign SOAP messages using Rampart.
- How to send user authentication information using Rampart.
- How to send and receive binary files using MTOM.
- How to unit test web services.

## Target audience and prerequisites

This book is suitable for those who would like to learn how to develop web services in Java.

In order to understand what's in the book, you need to know Java and to have edited XML files. However, you do NOT need to know the more advanced XML

concepts (e.g., XML schema, XML namespace), servlet, Tomcat or PKI.

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