

# FUSE Services Framework™

## The Open Source Services Framework

FUSE Services Framework is a pluggable services framework based on code from the Apache CXF open source project. It provides an easy-to-use, open source environment for Java developers to create reusable services as part of a service oriented architecture (SOA). FUSE Services Framework enables developers to build high performance, secure and robust services in minutes, using front-end programming APIs like JAX-WS, freeing them to concentrate on the core aspects of their applications.

### Supported Standards

FUSE Services Framework supports can speak a variety of protocols such as SOAP, XML/HTTP or RESTful HTTP and work over a variety of transports such as HTTP and JMS.

### FUSE: A Family of Open Source SOA Components

FUSE Services Framework is one component in a family of components that include the FUSE HQ, FUSE ESB, the FUSE Message Broker, and the FUSE Mediation Router. The FUSE components are tested together, certified, and supported to combine the speed and innovation of open source software with the reliability and expertise of commercially provided enterprise services.

### About IONA Technologies, Inc.

IONA's commitment to open source software is part of its 15-year heritage of solving the most complex integration problems by applying open, standards-based solutions. An industry leader in integration and SOA, IONA has the proven expertise to design a highly flexible, distributed SOA infrastructure for Global 2000 customers including Raymond James & Associates, Nokia, Zurich Insurance, Ericsson and Credit Suisse using standardized components.

## Why Services Framework?

### ➤ High-Performance, Scalable and Agile Architecture

FUSE Services Framework delivers the high level of performance essential to building a scalable SOA. By employing an adaptive microkernel architecture that allows for significant extensibility, FUSE Services Framework delivers high performance, fully featured service creation, integration and flexible reuse of technical and business service components.

### ➤ Support for Multiple Transports and Bindings

FUSE Services Framework allows for the use of multiple transports and bindings. Developers can elect to send SOAP or XML messages over HTTP/S or JMS. The extensibility API enables users to add bindings to support additional message formats.

### ➤ Transactions protected against failures

The flexible deployment model of FUSE Services Framework supports the use of lightweight Apache Tomcat or Spring-based containers, JBI or J2EE containers or standalone deployment.



Get the leading open source services framework now:

FUSE Services Framework

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# RELIABILITY, FLEXIBILITY AND SECURITY

## RELIABILITY

### Certified and Tested by IONA

FUSE Services Framework is delivered with corresponding enterprise-level support, training and consulting.

FUSE Services Framework enables customers to leverage the benefits of open source while eliminating the perceived risks. FUSE Services Framework is available as a part of the FUSE ESB or standalone.

## FLEXIBILITY

### Small-Footprint, Pluggable Services Framework

FUSE Services Framework provides users with a small-footprint, pluggable service engine. It is the foundation of a distributed SOA infrastructure, and a key component in IONA's open source FUSE ESB.

FUSE Services Framework service-enables systems at the endpoint without a centralized hub. This lightweight approach to SOA eliminates the need to purchase and maintain additional expensive hardware, and greatly increases business agility.

## SECURITY

### Encryption

FUSE Services Framework supports SSL encryption for transport over HTTPS.

Ensures compliance with security policies by enabling secure transmission of sensitive information outside the firewall.

### Authentication & Authorization

FUSE Services Framework provides plug-in points to support custom authentication and authorization, and supports third-party authentication providers, firewalls, proxy servers, HTTP(s) tunneling and DMZ products.

FUSE Services Framework integrates well with existing security infrastructure, such as LDAP-based directories and firewalls, to leverage existing security investments and authentication methods.

## OPEN SOURCE

### FUSE License

FUSE Services Framework is available under the FUSE product license, which is based on the open source Apache License Version 2.0.

The FUSE product license allows FUSE Services Framework to be used at no charge, and FUSE Services Framework can be distributed as a part of any open source or commercial solution. The source code is publicly available and can be modified in any way. Modifications to FUSE Services Framework may be published or kept confidential.

*"Open source based services frameworks benefit from the breadth and depth of protocol and format support fueled by the open source project's pace of development and diverse pool of developer talent. Adding in a layer of commercial support can help companies not only keep the software running smoothly, but also make using it easier and more effective for their business needs."*

**-Michael Coté,  
Industry Analyst, RedMonk**

### US Headquarters

IONA Technologies, Inc.  
200 West Street Waltham, MA 02451 USA

### European Headquarters

IONA Technologies PLC  
The IONA Building  
Shelbourne Road, Dublin 4, Ireland

### Asia-Pacific Headquarters

Kioicho Bldg. 3-12 Kioicho,  
Chiyoda-ku,  
Tokyo 102-0094

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To download FUSE visit  
[open.IONA.com/downloads](http://open.IONA.com/downloads)

For more information visit  
[open.IONA.com](http://open.IONA.com)

1-877-235-8491 (toll free)  
1-310-437-4870 (direct)  
[opensource@iona.com](mailto:opensource@iona.com)



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