

# Mule ESB Architect Workshop

Educational Services: Core Mule Training (MAW-2)

## Course Summary

Mule ESB® is a lightweight messaging framework and highly distributable object broker that allows you to quickly and easily connect your applications and enable them to exchange data.

Mule's inherent flexibility offers a myriad of architectural choices to solve any given problem. Understanding concepts such as transport connectivity, synchronous and asynchronous messaging, pattern-based routing and federation and knowing how to apply them to your architecture is critical to your success with Mule. Mule can be a great development tool, but knowing what patterns to use to solve a particular problem is just as critical.

The Mule ESB Architect Workshop focuses on the fundamental practices for architecting Mule in the enterprise. The class weaves conceptual principles with practical technical patterns to bridge the gap between architecture and implementation. Labs provide thought-provoking exercises that reinforce your understanding of the concepts and stimulate creativity.

Training in the fundamentals of architecture is as important as knowing how to configure and code Mule. Take your Mule skills to the next level by enrolling in this course today.

## Course Objectives

- Articulate the process for architecting Mule solutions
- Describe planning and implementation phases
- Understand architecture deliverables and dependencies
- Demonstrate how to create an integration profile
- Diagram message flow patterns
- Decide messaging quality of service
- Formulate data transformation requirements
- Strategize error handling techniques
- Create test plans

## Products Covered

- Mule ESB 2

## Delivery

- Online instructor-led

## Course Style

- Workshop, collaborative, interactive

## Duration

- Two Days

## Who should enroll?

- Architects
- Developers
- Team leaders who need to learn how to design and build applications and networks with Mule

## Prerequisites

- Mule ESB Fundamentals
- Java
- XML

## Course Agenda

<b>Day 1</b>	<ul style="list-style-type: none"><li>▸ Introduction to Architecting Enterprise Solutions</li><li>▸ System, Process and Data Identification</li><li>▸ Integration Profile</li><li>▸ Map and Model Data Flows</li><li>▸ Security and Mule Topology</li><li>▸ Message Formats</li></ul>	<b>Day 2</b>	<ul style="list-style-type: none"><li>▸ Component Identification and Implementation</li><li>▸ Quality of Service and Fault Handling</li><li>▸ Performance Requirements</li><li>▸ Redundancy Requirements</li><li>▸ Test Use Cases</li><li>▸ Configurations</li></ul>
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## About MuleSoft

MuleSoft provides enterprise-class software, support and services for the world's most popular open source application infrastructure products, Mule ESB and Apache Tomcat. With the lightweight and powerful Mule ESB and MuleSoft Tcat Server, MuleSoft is bringing simple yet powerful infrastructure to today's dynamic Web applications. Today, MuleSoft products boast more than 1.5 million downloads and over 2,000 production deployments by leading organizations such as Walmart.com, Nestlé, Honeywell and DHL, as well as 5 of the world's top 10 banks. MuleSoft is headquartered in San Francisco with offices worldwide.

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