

Architecting Enterprise Applications with Mule (MEA-2.x)

Course Summary

The course provides a thorough grounding in architecting integration solutions and Service Oriented Architectures (SOA) using Mule, drawing on the input and needs of enterprise architects and developers that drive the Mule project. Using best practices and industry-approved patterns, it also provides an introduction to additional topics including how to address security, scalability and fault tolerance.

Course Objectives

After attending this module, a delegate will be able to:

- Learn how to design Mule solutions:
 - ♦ Review the planning and implementation processes
 - ♦ Identify specific requirements from an example scenario; custom routing, data flows and formatting data types
 - ♦ Build a system model
 - ♦ Design, build and test individual components
- Planning your security system:
 - ♦ Authentication and authorization considerations
 - ♦ Server and 3rd party requirements
- Building in robustness and resiliency
 - ♦ Performance and load measurement
 - ♦ Redundancy, and strategy for business exceptions
 - ♦ Fault tolerance and disaster recovery
 - ♦ System testing

There will be question and answer sessions periodically during the course where delegates will have the opportunity to discuss questions and issues relevant to their own planned use of Mule 2.x.

Contact us!

For further information or to register for a course contact us:

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Duration

Two days.

Lab Ratio

A high percentage of the course is spent acquiring invaluable experience during practical sessions, analyzing the critical requirements and considerations necessary to design Mule architecture using best practices.

Audience

Architects, developers and team leaders who need to learn how to architect and design enterprise integration solutions and Service Oriented Architectures using Mule 2.x.

Prerequisites

Delegates must have an understanding of Java technologies including J2EE, JMS and of software architecture and design.

Programme

- Introduction to Architecting Enterprise Solutions
- System, Process and Data Identification
- Integration Profile
- Map and Model Data Flows
- Security and Mule Topology
- Message Formats
- Component Identification and Implementation
- Quality of Service and Fault Handling
- Performance Requirements
- Redundancy Requirements
- Test Use Cases
- Configurations