

MuleSoft Training

COURSE CONTENT

GET IN TOUCH



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About Multisoft

Train yourself with the best and develop valuable in-demand skills with Multisoft Systems. A leading certification training provider, Multisoft collaborates with top technologies to bring world-class one-on-one and certification trainings. With the goal to empower professionals and business across the globe, we offer more than 1500 training courses, which are delivered by Multisoft's global subject matter experts. We offer tailored corporate training; project Based Training, comprehensive learning solution with lifetime e-learning access, after training support and globally recognized training certificates.

About Course

MuleSoft Training by Multisoft Systems is designed to equip professionals with the skills required to build, design, and manage API-led integrations using the MuleSoft Anypoint Platform. This comprehensive training program covers core concepts such as API development, data transformation, and application network design to help participants seamlessly connect applications, data, and devices.

Module 1: Introduction to Application Networks & API-Led Connectivity

- ✓ Identifying the problems in IT industry today
- ✓ Introduction to application network is and its benefits
- ✓ Introduction to build an application network using API-led connectivity
- ✓ Introduction to web services and API's
- ✓ Introduction to API directories and portals
- ✓ How to make calls to secure and unsecured APIs

Module 2: Designing APIs

- ✓ RAML (Restful API Modeling Language)
- ✓ Defining APIs with RAML
- ✓ Crating Mock APIs to test their design before they are built
- ✓ Make APIs discoverable by adding them to Anypoint Exchange
- ✓ Creating API portals for developers to learn how to use APIs

Module 3: Building APIs

- ✓ Define Mule applications
- ✓ Define flows
- ✓ Define messages
- ✓ Define message processors
- ✓ Create flows graphically using Anypoint Studio
- ✓ Building, running and testing Mule applications
- ✓ Connect to databases using a connector
- ✓ Graphical DataWeave editor to transform data
- ✓ Create RESTful interfaces for applications from a RAML file
- ✓ Connect API interfaces to API implementations

Module 4: Deploying and Managing APIs

- ✓ Options for deploying Mule applications
- ✓ Use properties in Mule applications
- ✓ Deploy Mule applications to CloudHub
- ✓ Create and deploy API proxies to CloudHub using API Manager
- ✓ Restrict access to API proxies

Module 5: Accessing and Modifying Mule Messages

- ✓ Log message data
- ✓ How to debug Mule applications
- ✓ Read and write message properties
- ✓ Mule Expression Language (MEL)
- ✓ Write expressions with MEL
- ✓ Create variables

Module 6: Structuring Mule Applications

- ✓ Create reference flows and subflows
- ✓ Pass messages between flows using the Java Virtual Machine (VM) transport
- ✓ Investigate variable persistence through subflows and flows and across transport barriers
- ✓ Encapsulate global elements in separate configuration files
- ✓ Explore the files and folder structure of Mule projects

Module 7: Consuming Web Services

- ✓ Consume RESTful web services with and without parameters
- ✓ Consume RESTful web services that have RAML definitions
- ✓ Consume SOAP web services
- ✓ Use DataWeave to pass parameters to SOAP web services

Module 8: Handling Errors

- ✓ Different types of exception strategies
- ✓ Handle messaging exceptions in flows
- ✓ Create and use global exception handlers
- ✓ Specify a global default exception strategy

Module 9: Controlling Message Flow

- ✓ Route messages based on conditions
- ✓ Multicast messages
- ✓ Filter messages
- ✓ Validate messages

Module 10: Writing DataWeave Transformations

- ✓ Write DataWeave expressions for basic and complex XML
- ✓ Write DataWeave expressions for JSON
- ✓ Write DataWeave expressions for Java transformations
- ✓ Store DataWeave transformations in external files
- ✓ Coerce and format strings, numbers, and dates
- ✓ Use DataWeave operators
- ✓ Define and use custom data types
- ✓ Call MEL functions and Mule flows from DataWeave transformations

Module 11: Connecting to Additional Resources

- ✓ Connect to SaaS applications
- ✓ Connect to files
- ✓ Poll resources
- ✓ Connect to JMS queues
- ✓ Discover and install connectors not bundled with Anypoint Studio

Module 12: Processing Records

- ✓ For each scope to process items in a collection
- ✓ Batch job element (EE) to process individual records
- ✓ Trigger batch jobs using polls
- ✓ Use batch jobs to synchronize data from legacy databases to SaaS applications

Module 13: Managing Mule projects with Maven

- ✓ Use a software project management tool
- ✓ Manage dependencies

Module 14: Managing Mule code with Github

- ✓ Maintain Mule source code
- ✓ Develop with best practices