



# Mulesoft Pro Developer Course

*{ Note: All Course Material (Code, PPTs and Installation Videos) will be offered after completion of each module }*

Mulesoft Development Fundamentals - Course Outline		Course Hours
<b>Environment Setup</b>		<b>1</b>
<b>Setup Tools and Accounts to Start Mule</b>		
Anypoint Studio Installation		
Anypoint Platform Account		
Maven Installation and Configuration		
Setup End Systems that are to be used in course		
<b>Mule API Lifecycle Part 1</b>		<b>6</b>
<b>Design</b>		
Real-Time Use case		
Project Estimation		
RAML (RESTful API Modeling Language)		
WSDL (Web Services Description Language)		
<b>Mule API Lifecycle Part 2</b>		<b>3</b>
<b>Development (Implementation) Part 1</b>		
Walkthrough on using AnypointStudio		
Implement Based on Design		
Implement Based on Idea		
<b>Variables and Properties:</b>		
<ul style="list-style-type: none"> <li>Variables</li> <li>Application Properties</li> </ul>		
<b>Connectors:</b>		
<ul style="list-style-type: none"> <li>HTTP/HTTPS</li> <li>File</li> <li>FTP (SFTP)</li> <li>JMS</li> <li>Database</li> <li>Salesforce</li> <li>SMTP</li> <li>VM</li> <li>Webservice Consumer</li> </ul>		

Mulesoft Development Fundamentals - Course Outline		Course Hours
<b>Mule API Lifecycle Part 2 Continued...</b>		<b>12</b>
<b>Development (Implementation) Part 2</b>		
<b>Scopes:</b>		
<ul style="list-style-type: none"> <li>Flow</li> <li>Sub Flow</li> <li>Async</li> <li>Batch Processing</li> <li>Cache</li> <li>Composite Source</li> <li>Message Enricher</li> <li>Poll</li> <li>For Each</li> <li>Until Successful</li> <li>Processor Chain</li> </ul>		
<b>Components:</b>		
<ul style="list-style-type: none"> <li>Expression</li> <li>Java, Invoke</li> <li>Groovy</li> <li>Batch Execute</li> <li>Validation</li> </ul>		
<b>Transformers:</b>		
<ul style="list-style-type: none"> <li>Attachment</li> </ul>		

<ul style="list-style-type: none"> <li>• XSLT</li> <li>• Message Type Transformers</li> <li>• Parse Template</li> </ul>	
<b>Dataweave:</b>	
<ul style="list-style-type: none"> <li>• Operators</li> <li>• Functions</li> <li>• Variables</li> <li>• Flow Control</li> </ul>	
<b>Flow Control:</b>	
<ul style="list-style-type: none"> <li>• APIkit Router</li> <li>• Choice</li> <li>• Scatter-Gather</li> <li>• Splitter</li> </ul>	
<b>Filters</b>	
<ul style="list-style-type: none"> <li>• Message</li> <li>• Idempotent Message</li> <li>• Expression</li> <li>• Exception</li> </ul>	
<b>Error (Exception) Handling</b>	
<ul style="list-style-type: none"> <li>• Mapping Exception Strategy</li> <li>• Catch Exception Strategy</li> <li>• Choice Exception Strategy</li> <li>• Rollback Exception Strategy</li> </ul>	
<b>Assignment</b>	
Assignment Will be Given by the Instructor post this Section is completed	

<b>Mulesoft Development Fundamentals - Course Outline</b>	<b>Course Hours</b>
<b>Mule API Lifecycle Part 3</b>	<b>3</b>
<b>Testing</b>	
<b>Munit:</b>	
<ul style="list-style-type: none"> <li>• Munit Test Suite</li> <li>• Create Test Cases</li> <li>• Set Test Message</li> <li>• Assertions</li> <li>• Coverage Report</li> </ul>	
<b>Functional Unit Testing:</b>	
<ul style="list-style-type: none"> <li>• Postman</li> <li>• Write Tests in Postman</li> <li>• Generate Test Reports</li> </ul>	
<b>Mule API Lifecycle Part 4</b>	<b>5</b>
<b>Deployment</b>	
<ul style="list-style-type: none"> <li>• Direct Deployment</li> <li>• Deploy Using Jenkins</li> </ul>	

<b>TOTAL COURSE HOURS</b>	<b>30</b>
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<b>Mulesoft Development Fundamentals – Optional Mule 4 Course Outline</b>		<b>Course Hours</b>
<b>Mule 4</b>		<b>10</b>
<b>Differences Between Mule 3 and Mule 4</b>		
<b>Migration from Mule 3 to Mule 4:</b>		
<ul style="list-style-type: none"> <li>• Compare Mule Project Structure</li> <li>• Explore Mule 4</li> <li>• Replace MEL with Dataweave</li> <li>• Explore Dataweave 2.0</li> <li>• Explore New Error Handling</li> <li>• Explore Munit</li> </ul>		
<b>TOTAL COURSE HOURS</b>		<b>10</b>