

MULE 4.X

1. API-led connectivity
2. AnypointPlatform
 - 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
3. 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 Any point Exchange
 - Creating API portals for developers to learn how to use APIs
4. 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.
5. Deploying and managing APIs: Know what are the available options for deploying and managing Mule applications through this online MuleSoft training module.
 - 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
6. Accessing and modifying Mule events
 - Log message data
 - How to debug Mule applications
 - Read and write message properties
 - Mule Expression Language (MEL)
 - Write expressions with MEL
 - Create variables
7. 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
8. 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
9. Handling errors
- Different types of exception strategies
 - Handle messaging exceptions in flows
 - Create and use global exception handlers
 - Specify a global default exception strategy
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
11. 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
12. Munit
13. .Policies