

Mule ESB Introduction:

- What is ESB and how it helps to resolve the existing problems
- What is Mule and it's Features?
- Introduction in to Anypoint Studio and Anypoint Platform
- Testing Tools (Postman, RestClient and SoapUI)

Mule Basics:

- Mule Project structure
- What is Mule Flow?
- What is Mule Event and Event Processor?
- What is private Flow and sub flow?
- What is Variable and Global Elements?
- Debugging a mule flow
- Structure of a Mule Event in detail
- Track the event Data in and out of a Mule application
- Data Weave expressions in detail
- Embedded mule server in detail
- Mule Request processing in Detail

API-Lead Connectivity:

- Identify the problems in current design
- Modern API' to resolve the problems
 - I. System API
 - II. Process API
 - III. Experienced API
- API Lead connectivity in any point platform

API Design:

- Introducing RAML
- Define APIs Using API Designer
- Mocking API's
- Creating API portals
- Adding API's to Exchange
- Resource Types and Traits
- Libraries and Securities
- Best Practises in RAML.

API' Implementation:

- Implementation API's using Any point Studio.
- Consuming Restful web service using HTTP Connector

- Consuming SOAP web service using web service Consumer and HTTP Connector
- Inserting Records in to database using DB Connector
- Inserting and Retrieving Records in to database using DB Connector
 - I. Bulk Insert into Database
 - II. Creating data Source
 - III. XA Transactions and Local Transactions
 - IV. Calling Stored procedures
- Scatter-Gather router to concurrent processing
- Encapsulate global elements in a separate configuration file
- Exception Handling:
 - I. Explore default error handling
 - II. Handle errors at the application level
 - III. Handle specific types of errors
 - IV. Handle errors at the flow level
 - V. Handle errors at the processor level
- Auditing the Request and response in to DB using DB Connector
- Send Error Notification to Administer using SMTP Server
- Externalizing the properties file Base on the Environment- Dev., SIT, UAT, PROD
- Secure properties place holder: password encryption
- Mule Domain: Configure here resource to be shared within the domain

On Premises Deployment:

- Install and start a customer-hosted Mule runtime
- Deploy a Mule application to a Mule runtime
- Manage Mule runtime licenses
- Edit a Mule runtime's configuration files

- Verifying the logs files and increasing the log file size.
- Deploy a Mule domain project to a Mule runtime
- Register a customer-hosted Mule runtime with Runtime Manager
- Use Runtime Manager to deploy a Mule application to a Mule runtime
- Creating clusters and Groups to deploy applications
- Providing securities to the resources

Cloud Deployment:

- Deploy a Mule application to a Cloud Environment
- Creating proxies for API
- Providing security to API
 - I. Throttling
 - II. Rate limiting
 - III. Http Basic authentication
 - IV. Secure Using OAuth etc...

Data Weave data transformation Language:

- Create transformations with the Transform Message component
- Transform basic JSON, Java, and XML data structures
- Transform complex data structures with arrays
- Define and use custom data types
- Use Data Weave functions
- Organize DataWeave code with variables and functions
- Coerce and format strings, numbers, and dates
- Match DataWeave types and conditions
- Add and remove data from objects and arrays

- Operate on array elements using the `dw::core::Arrays` module
- Extract parts of an object using the `dw::core::Objects` module
- Construct objects using object constructor curly braces
- Select keys, values, attributes, and namespace from an object
- Join reference data with message data using map operators
- Build an object from another object using the `mapObject` operator
- Shuffle the order of child elements of an object.
- Accumulate transformations of array elements using a reduce operator

Triggering Flows:

- Trigger a flow when a new file is added to a directory
- Trigger a flow when a new record is added to a database and use automatic watermarking
- Schedule a flow and use manual watermarking
- Publish and listen for JMS messages

Processing Records:

- Process items in a collection using the For Each scope.
- Process items in a collection using parallel For Each scope.
- Process records using the Batch Job scope
- Use filtering and aggregation in a batchstep
- Message Enrichment
- Error handling in Batch Processing

Project Agile Methodology:

- **Interview Questions**
- **Resume preparation**
- **Dev ops Tools –**
 - Jenkins
 - Maven
 - Jira
 - Github

for Online Training Call/WhatsApp Contact: 6301921083