

Workshop	
Name	ESB and Mule
Duration	2 days
Objective	Some of the key skills you will gain upon completion of this program include: <ul style="list-style-type: none"> • Need of EAI and ESB • Mule as an implementation of ESB • Architecture of Mule and Development • A2A and B2B integration using Mule Studio • Understanding best practices and standards;
Participants' Entry Profile	The participants need to have prior exposure to basics of Java programming language.
Training Methodology	The workshop will follow Synergetics methodology of Concept Visualization Active Experimentation Application Development. The workshop will be 100% Hands-On with each participant having access to system during the session

Setup Requirements	
Hardware and Software Requirements	Participant's as well as Trainer's Machine are required to have : Hardware Pentium 4 2.0 GHz 4 GB RAM 40GB HDD (Free Space) Software Windows XP Internet Explorer Java SDK 1.7 Oracle 10g / Microsoft SQL Server 2005 / 2008 MuleSoft Mule Studio ver 3.5
Training Lab Requirements	Whiteboard 6 feet by 4 feet (minimum) Whiteboard markers – Red, Blue, Green, Black Video Projector (1024 X 768 resolutions)

Course Content

Day 1

➤ Introduction

- Evolution of EAI and ESB
- Different implementations and Mule
- Understanding Mule platform and Mule Studio
- First application

➤ Mule Application Architecture

- Transportation and End points
- Orchestration
- Processing components
- Routing
- Expressions in Mule

➤ Mule transport

- Message Source and connectors
- File, directory and FTP transport
- HTTP transport
- Consuming and Exposing SOAP services
- JMS transport
- Interaction with Data base

Day 2

➤ Flow, Routing and transforming data

- Types of flows and configuring child flow
- Types of routers
- Filters and routers
- Using Inbound and outbound routers
- Transforming data using core transformers
- Designing custom transformer

➤ **Components and data processing**

- Loggers and Echoers
- Executing business logic
- Invoking remote logic
- Consuming and Exposing SOAP services
- JMS transport
- Interaction with Data base

➤ **More on mule**

- Mule deployment strategies
- Exception handling policies
- Types of Security
- Securing Mule
- Transaction Management
- Development and Testing