

**** Day-1: (8 hours)**

- Introduction to AMQ, Camel, EAP and Fuse – 2 hours
- Integration and it's need, JBoss Fuse product family, Jboss AMQ product family - 1 hours
- Red Hat Fuse(7.2) Standalone
 - Introduction and Installation - 30 mins
 - Fuse Subsystems and Management using HawtIO - 2 hours
- Red Hat A-MQ (7.2)
 - Installation and Configuration - 1 hours for setting up AMQ environment
 - Customize and integrate of network of brokers - 2 hours

*****Day-2:(8 hours)**

- Red Hat A-MQ (7.2)
 - Connect using Java Message Services (JMS) – 1.30 hours
- OSGi framework – 1 hours 30 mins
- Enterprise Integration Patterns -2.30 hours
- Installation and configuration of Fuse on EAP – 2.30 hours

*****Day-3:(8 hours)**

- Apache Camel
 - Introduction
 - Perform basic & advance data transformations - 2 hours
 - Exception handling - 15 mins
 - What is Enterprise Integration Patterns? and important EIPs - 2 hour
 - Receiver List
 - Splitter
 - Aggregator
 - throttler
 - Content enricher
 - polling consumers
 - message channels
 - message
 - message router
 - message endpoint
 - Content based routing
- Threading and transactions - 2 hours
- Apache Camel
 - Perform basic components (Theory along with practicals) – minimum 13 components (approx. 30-40 mins each components)
 - File/File2
 - Seda

- VM
- Log

***Day-4:(8 hours)

- Apache Camel

- Perform basic components (Theory along with practicals) – minimum 13 components (approx. 30-40 mins each components)

- Quartz/Quartz2
- JMS
- SQL
- Direct & Direct-VM
- Cache/EHCache
- HTTP/HTTP4 (jetty is not preferred now a days)
- Stream
- AHC
- Rest
- Timer
- Mail
- MongoDB -> If you have mongo db setup

- Performance Tuning - AMQ & Camel - 2 hours

***** Fuse deployment and Fuse on EAP deployment – will cover deployment as soon as components covered and will deploy in respective containers

**Day-5:(8 hours)

- Red Hat Fuse

- Understanding of CLI - 2 hours
- Troubleshooting and Possible issues - 2 hours

- Red Hat AMQ

- Increase availability and reliability - 1 hours
- Increase performance - 1 hours
- Entire theory along with practicals - 2 hours

Simultaneously, I will cover below points too while explaining theory..

- Containers
- Spring Boot containers
- AMQ Containers
- Karaf containers

*** Above concepts will be covered while explaining respective core reference concepts of integration

I have re-arranged course content as it will be easy to understand from day-wise curriculum.